ARCADIS

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Date: October 16, 2023
Our Ref: 30064221
Subject: Annual 2023 Groundwater Monitoring Report
University Car Care Center - Williams #5026
(Former Texaco-Branded Service Station #211081)
4103 Geist Rd Fairbanks, Alaska
ADEC File No.: 100.26.023
ADEC Hazard ID: 23798

Dear Ms. Reams,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis), has prepared this report to document the annual 2023 groundwater monitoring activities of for the University Car Care Center - Williams #5026 (Former Texaco-Branded Service Station #211081), located at 4103 Geist Rd Fairbanks, Alaska (site). This work was conducted under the direction of a “Qualified Environmental Professional” and “Qualified Sampler” (18 Alaska Administrative Code [AAC] 75.333).

If you have any questions, please do not hesitate to contact me.

Sincerely,

Arcadis U.S., Inc.

Nick Wood
Project Manager
Email: Nick.Wood@arcadis.com
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Copies
James Kiernan, CEMC (electronic copy)
Tim Bishop (electronic copy)
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Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: October 16, 2023

ANNUAL STATUS REPORT

Annual 2023

October 16, 2023

Work Conducted This Period [Annual 2023]:

1. Conducted quarterly groundwater monitoring activities on July 12, 2023
2. Conducted well repairs and replacements as outlined in the *Groundwater Analyte Adjustment Request and Well Repair Work Plan – Revision 1* in July 2023.
3. Prepared the *Annual 2023 Groundwater Monitoring Report*.

Work Proposed Next Period [Annual 2024]:

1. Conduct the Annual 2024 groundwater monitoring activities.
2. Prepare the *Annual* 2024 *Groundwater Monitoring Report.*

Site Description

The site is located in the interior Alaska in the city of Fairbanks. Fairbanks is situated in the south-central area of the state in the Tanana River Valley at an elevation of approximately 440 feet (ft) above sea level. Shallow streams and abandoned meander scars are found throughout the valley. Static groundwater depths historically range between 7.31 and 20.55 feet below top of casing (btoc). Groundwater flow has been primarily south.

In August 1992, three gasoline underground storage tanks (USTs), one waste oil UST that previously contained diesel, and 1,200 cubic yards (cy) of soil were removed. In October 1992, the station was demolished and 1,500 cy of soil were excavated. A 300-gallon heating fuel UST was also removed at that time. Product skimming pumps were installed in monitoring well MW G-3 (renamed RW-4) and RW-1R, RW-2, and RW-3 Seventy-six gallons of free product and 200 gallons of contaminated water were recovered during the summer of 1993 from the RW wells. The RW wells were shut down during the winter. A 1994 Corrective Action Plan called for onsite soil and groundwater remediation using a combination of soil vapor extraction (SVE) and air-sparge (AS).

Operation of the SVE and AS systems was initiated at the Site on October 19, 1994. The SVE and AS systems were shut down for site redevelopment on August 12, 1996, and restarted in December 1996. The SVE and AS systems were again turned off in June 2001 and restarted in April 2003. There are currently 13 vertical and 2 horizontal SVE wells and 14 air sparge wells. Between June 2008 and August 2008, six mobile multi-phase extraction (MPE) events were conducted biweekly to recover petroleum-impacted groundwater and vapor-phase hydrocarbons from the subsurface. Each event was conducted using a 3,000-gallon vacuum truck provided by Emerald Alaska capable of applying a vacuum of approximately 272 inches of water (in H_2O) to an extraction point. For this pilot test, mobile MPE was conducted on monitoring wells G-5, G-7 and G-8. Approximately 2,900 gallons of impacted groundwater were recovered during each mobile MPE event. Mass removal of total petroleum hydrocarbons (TPH) was calculated using approximate groundwater volume recovery from each well and average concentrations of TPH as gasoline-range organics (GRO), TPH as diesel-range organics (DRO), and TPH as residual-range organics (RRO) were estimated as 20,000 micrograms per liter (µg/l). Approximately 2.5 pounds of dissolved-phase petroleum were removed from the subsurface.

The SVE/AS system was upgraded and restarted in accordance with the Remediation System Upgrade Work Plan in September and October 2009 (Arcadis 2009). Activities associated with the system upgrade included well monument repair and replacement, system enclosure, piping and electrical upgrades, an air sparging injection control upgrade, and SVE/AS system startup and monthly operation and maintenance activities. The remediation system was shut down for rebound testing and was not restarted. The system was subsequently decommissioned and removed from the site. The site currently has a network of fourteen groundwater monitoring wells (G-1R, G-3 through G-5, G-7 through G-9, MW-301S, MW-301D, MW-304S, MW-304D, MW-305, MW-306, and MW-307) which are monitored annually. The surrounding properties are primarily commercial; the site is bordered by businesses to the north, south, east and west. A site location map and site plan are shown as **Figure 1** and **Figure 2**, respectively.

Site Activities this Reporting Period

Current phase of project:	Monitoring
Frequency of monitoring and sampling:	Annual
Monitoring wells containing light non-aqueous phase liquid (LNAPL):	None
Cumulative LNAPL recovered to date: (gallons)	0.00
Approximate depth to groundwater: (feet below top of casing)	9.68 (MW-306) to 15.14 (MW-304D)
Approximate groundwater elevation: (feet relative to NAVD88)	424.58 (G-9) to 425.31 (MW-304S)
Groundwater flow direction	South-southwest
Groundwater gradient (feet per foot)	0.0021
Current remediation techniques:	None
Summary of unusual activity:	Monitoring wells MW-307 had insufficient water to sample. Monitoring well G-4 could not be sampled as the casing was bent.
Agency directive requirements:	None

Groundwater Gauging and Sampling Methods

On July 12, 2023, the annual 2023 groundwater monitoring and sampling activities were conducted. Groundwater monitoring wells scheduled to be gauged and/or sampled are summarized in **Table 1**. Monitoring wells were gauged with an oil/water interface probe in the order of lowest to highest historical petroleum hydrocarbon concentrations in groundwater to determine groundwater elevations and ascertain if LNAPL was present. Following gauging, groundwater was purged and sampled using low flow purge technology via bladder pump in accordance with the Field Sampling Guidance (ADEC 2022a) and *Arcadis Standards for Groundwater Sampling and Monitoring Wells (Arcadis 2022a)*. Non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water. Water table drawdown was continuously monitored during purging with an oil/water interface probe and the flow rate of the pump was adjusted to limit drawdown to 0.1 meter. Water quality parameters were monitored during purging with a multi-parameter water quality meter equipped with a flow through cell and turbidity meter. Parameters were recorded every 3 to 5 minutes until a minimum of three (minimum of four if using temperature as an indicator) of the parameters listed below stabilized. Water quality parameters were considered stable when three successive readings were within the following ADEC limits:

- ± 3% for temperature (minimum of ± 0.2 °C),
- ± 0.1 for pH,
- ± 3% for conductivity,
- ± 10 mV for redox potential,
- ± 10% for dissolved oxygen, and
- ± 10% for turbidity.

Following well stabilization, the flow rate was reduced to between 100 to 150 milliliters per minute and samples were collected into laboratory sample bottles. Groundwater samples were collected from the top foot of the water column in monitoring wells per the sampling schedule (**Table 1**) with the following exceptions: monitoring well MW-307 had insufficient water to sample and monitoring well G-4 could not be sampled as the casing was bent. The groundwater potentiometric surface elevation and a rose diagram of historical groundwater flow directions are illustrated on **Figure 3**.

Groundwater samples collected were analyzed by Pace Analytical National Center for Testing & Innovation (Pace) of Mt. Juliet, Tennessee for the following constituents:

- Full-Scan volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D
- Total petroleum hydrocarbons as DRO (with and without Si gel) by Alaska Method AK102.
- Total petroleum hydrocarbons, GRO by Alaska Method AK101
- Total petroleum hydrocarbons, RRO by Alaska Method AK103
- 1,2-Dibromoethane (EDB) by USEPA Method 8011.
- Naphthalene by USEPA Method 8270E-SIM
- Total Lead by USEPA Method 6010D.

A groundwater duplicate sample (BD-1) was collected from monitoring well G-3 and submitted blind to Pace. Additionally, an equipment blank (EQB-1) sample was collected and trip blanks (Trip Blank 1, Trip Blank 2, Trip Blank 3, Trip Blank 4) were included in sample coolers for quality assurance purposes. Field notes collected during groundwater monitoring activities including monitoring well purge rates and drawdown are presented in **Attachment A**.

Groundwater Sampling Results

Groundwater analytical results obtained during this event indicate constituents of potential concern (COPCs) exceed the ADEC Oil Pollution Prevention Requirements (18 AAC 75) identified in Table C - Groundwater Cleanup Levels (GCLs). Analytical data are summarized in **Table 2** and Table 3. COPCs exceeding GCLs are summarized below and are illustrated on **Figure 4**. The laboratory report is included as **Attachment B.**

- GRO was detected at a concentration above the ADEC GCL of 2,200 µg/L in G-3 at a concentration of 5,690 µg/L and 5,800 µg/L in BD-1 and in G-5 at a concentration of 4,410 µg/L.
- Benzene was detected at a concentration above the ADEC GCL of 4.6 µg/L in G-3 at a concentration of 605 µg/L and 669 D (the diluted results were reported and qualified as being reported at a dilution) µg/L in BD-1, and G-5 at a concentration of 18.2 J µg/L.
- Ethylbenzene was detected at a concentration above the ADEC GCL of 15 µg/L in G-3 at a concentration of 317 µg/L and 331 D µg/L in BD-1, and G-5 at a concentration of 88.4 J µg/L.
- Total Xylenes was detected at a concentration above the ADEC GCL of 190 µg/L in G-3 at a concentration of 920 µg/L and 990 µg/L in BD-1 and G-5 at a concentration of 736 µg/L.
- EDB by method 8011 was detected at a concentration above the ADEC GCL of 0.075 µg/L in G-3 at a concentration of 0.496 µg/L and 0.494 µg/L in BD-1.
- EDB by method 8260D was detected at a concentration above the ADEC GCL of 0.075 µg/L in G-3 at a concentration of 0.800 D µg/L and 0.800 D µg/L in BD-1.
- Naphthalene by method 8260D was detected at a concentration above the ADEC GCL of 1.7 µg/L in G-3 at a concentration of 12.5 J (The associated numerical value is an estimated concentration only) µg/L and 15.7 J µg/L in BD-1.
- Naphthalene by method 8270E-SIM was detected at a concentration above the ADEC GCL of 1.7 µg/L in G-3 at a concentration of 21.4 µg/L and 18.1 µg/L in BD-1 and in G-5 at a concentration of 23.5 µg/L.
- 1,2,4-Trimethylbenzene was detected at a concentration above the ADEC GCL of 56 µg/L in G-3 at a concentration of 329 µg/L and 407 D in BD-1 and in G-5 at a concentration of 455 µg/L.
- All other analytes were not detected above ADEC GCLs.

Historical groundwater results (pre-2023) are presented in **Attachment C**.

Laboratory Data Review

As required by the ADEC Guidelines for Data Reporting (ADEC 2022b), Arcadis completed a laboratory data review checklist for the laboratory report generated for this event. The data review checklist is included as **Attachment D**. Quality assurance and quality control parameters related to the precision, accuracy, representativeness, comparability, completeness, and sensitivity of the data presented in this report suggest that the data quality objectives have been met with the following exceptions:

Accuracy:

- Continuing calibration recovery were less than the control limit for compounds 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2-dibromo-3-chloropropane, acrolein, naphthalene, p-isopropyltoluene and tert-butylbenzene for USEPA Method 8260D. Analytical result in the associated sample locations MW-306, MW-301S, MW-301D, MW-304S, MW-304D, MW-305, G-9, G-1R, G-8, G-7, G-3, G-5, BD-1, EQB-1 and Trip Blank 1, Trip Blank 2, Trip Blank 3, and Trip Blank 4 were qualified as estimated.
- Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) recoveries were less than the control limit for the compound tert-butylbenzene for USEPA Method 8260D. Analytical result in the associated sample locations MW-306, MW-301S, MW-301D, MW-304S, MW-304D, MW-305, G-9, G-1R, G-8, G-7, G-3, G-5, BD-1, EQB-1 and Trip Blank 1, Trip Blank 2, Trip Blank 3, and Trip Blank 4 were qualified as estimated.
- LCS/LCSD recoveries were less than the control limit for the compound DRO for Alaska Method AK102SGT. Analytical result in the associated sample locations MW-306, MW-301S, MW-301D, MW-304S, MW-304D, MW-305, G-9, G-1R, G-8, G-7, G-3, G-5, BD-1 and EQB-1 were qualified as estimated.
- The Matrix Spike/Matrix Spike Duplicate recoveries (MS/MSD) were less than 10% of the control limit for the compound acrolein for USEPA Method 8260D. Analytical result in the associated sample location G-8 was qualified as rejected.
- MS/MSD recoveries were less than the control limit for the compound DRO for Alaska Method AK102/103 and AK102SGT. Analytical result in the associated sample location G-8 was qualified as estimated.

Comparability:

- Compound DRO was detected below the reporting limit in the method blank/equipment blank for Alaska Method AK102/103 and AK102SGT. Based on blank evaluation, the results for DRO in sample locations MW-306, MW-301S, MW-301D, MW-304S, MW-304D, MW-305, G-9, G-1R, G-8, G-7, G-3, G-5 and BD-1 were qualified as non-detect.
- Compound GRO was detected below the reporting limit in the method blank for Alaska Method AK101. Based on blank evaluation, the results for GRO in sample location MW-304S was qualified as non-detect.

Sensitivity:

- The concentration of GRO exceeded the ADEC GCLs in sample locations G-3, BD-1 and G-5.
- The concentration of Benzene exceeded the ADEC GCLs in sample locations G-3, BD-1 and G-5.
- The concentration of Ethylbenzene exceeded the ADEC GCLs in sample locations G-3, BD-1 and G-5.
- The concentration of Toluene exceeded the ADEC GCLs in sample locations G-3, BD-1 and G-5.

- The concentration of Total xylenes exceeded the ADEC GCLs in sample locations G-3, BD-1 and G-5.
- The concentration of 1,2,4-Trimethylbenzene exceeded the ADEC GCLs in sample locations G-3, BD-1 and G-5.
- The concentration of EDB exceeded the ADEC GCLs in sample locations G-3 and BD-1.
- The concentration of Naphthalene exceeded the ADEC GCLs in sample locations G-5, G-3 and BD-1.
- The laboratory reported detection limit for compound Naphthalene, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, Carbon Tetrachloride, Chlorobenzene, Chlorodibromo-methane, Chloroform, Chloromethane, Dibromomethane, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, Hexachloro-1,3-butadiene, 2-Butanone, Methylene chloride, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,2-Trichloroethane, Trichloroethene, 1,2,3-Trichloropropane, 1,3,5-Trimethylbenzene, and Vinyl Chloride exceeded the ADEC groundwater cleanup level; however, the laboratory method detection limit is below the ADEC groundwater cleanup levels therefore the sensitivity of the analyses was still adequate for the samples. The sensitivity of the analyses was adequate for the samples as the detection limits were less than the ADEC GCLs for compounds with above exceptions.
- Compound EDB were qualified as “D” due to dilution in sample location G-3 for USEPA Method 8260D.
- Compounds EDB, benzene, ethylbenzene and 1,2,4 trimethylbenzene were qualified as “D” due to dilution in sample location BD-1 for USEPA Method 8260D.

Investigation Derived Waste

Purge water and decontamination water collected during groundwater sampling was temporarily collected into 5-gallon buckets and treated onsite via a Granular Activated Carbon (GAC) bucket. The treatment of purge water and decontamination water was completed per the *Arcadis Summary of Procedures for Investigation Derived Waste Treatment Utilizing Granular Activated Carbon (Arcadis 2022b).* Approximately 12 gallons of groundwater were treated during this event.

Conclusion and Recommendations

The observed groundwater flow direction and hydraulic gradient during this event are generally consistent with historical data. Analytical results from the monitoring wells are generally consistent with historical data.

Arcadis recommends groundwater sampling continues in accordance with the current annual schedule. The next annual sampling event will be conducted in summer of 2024.

References

ADEC. 2022a. Field Sampling Guidance. ADEC, Division of Spill Prevention and Response Contaminated Sites Program. August

ADEC. 2022b. Technical Memorandum 22-001; Guidelines for Data Reporting. ADEC, Division of Spill Prevention and Response Contaminated Sites Program. August 15.

Arcadis. 2022a. Standard Groundwater Sampling for Monitoring Well. April

Arcadis. 2022b. Summary of Procedures for Investigation Derived Waste Treatment Utilizing Granular Activated Carbon. September.

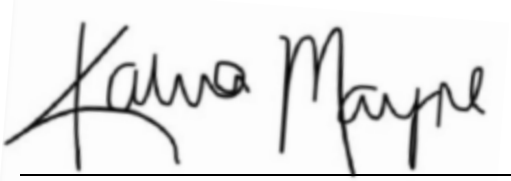
ADEC. 2023. 18-AAC-75 Oil and Other Hazardous Substances Pollution Control. ADEC. Amended February 5th.

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: October 16, 2023

Should you have any questions or concerns regarding this submittal please do not hesitate to contact us.

Sincerely,

Arcadis U.S., Inc.



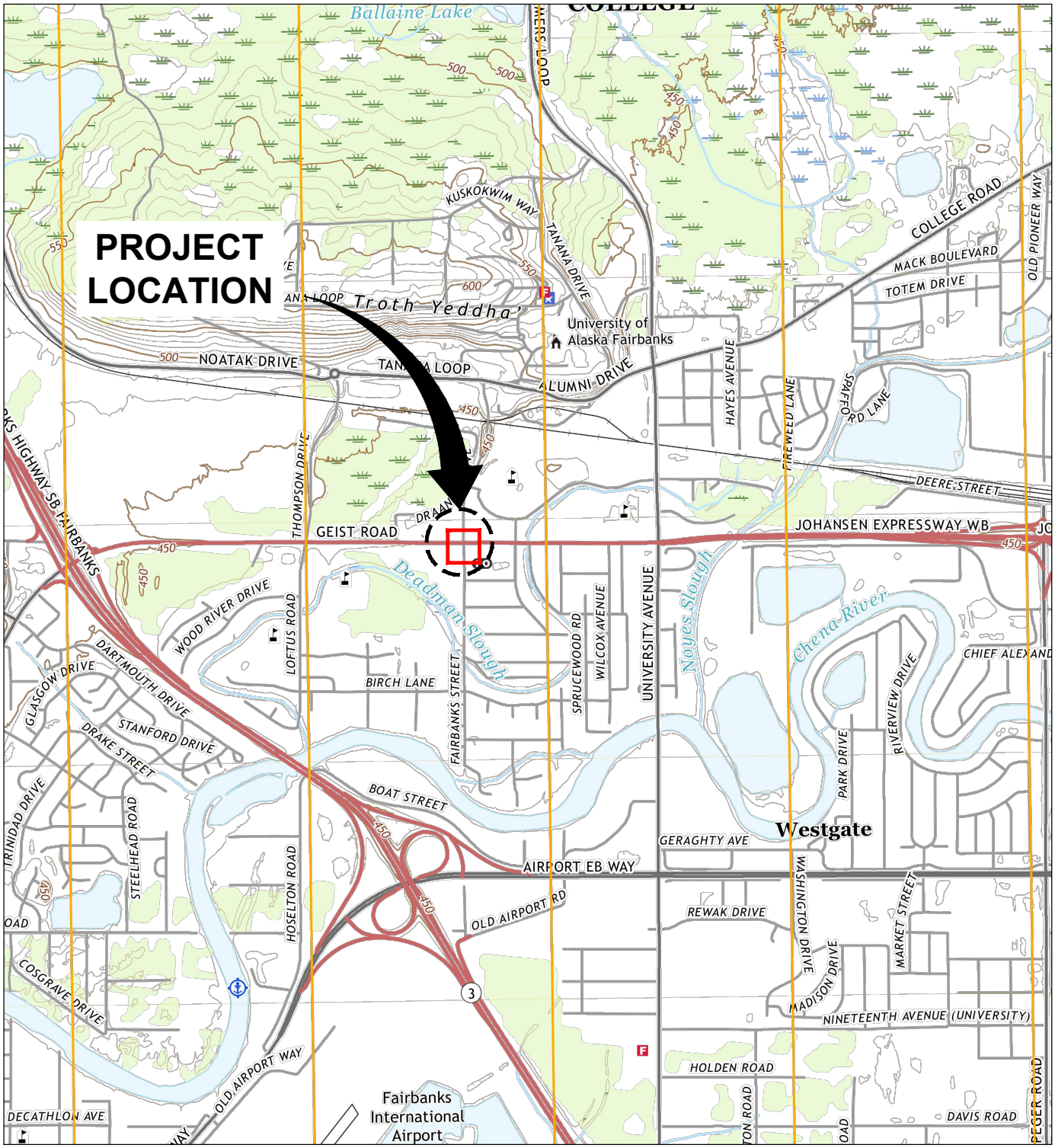
Kama Mayne
Task Manager

Nick Wood
Project Manager

Enclosures:

- Figure 1. Site Location Map
- Figure 2. Site Plan
- Figure 3. Groundwater Elevation Contour Map
- Figure 4. Groundwater Analytical Results Map
- Table 1. Groundwater Monitoring Schedule
- Table 2. Current Groundwater Gauging and Analytical Results
- Table 3. Current Groundwater Additional VOCs Gauging and Analytical Results
- Attachment A. Field Notes
- Attachment B. Laboratory Analytical Results
- Attachment C. Historical Groundwater Gauging and Analytical Results- First Quarter 1994 - 2022
- Attachment D. ADEC Data Review Checklist

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. FAIRBANKS D-2 SE AND SW, ALASKA, 2021.

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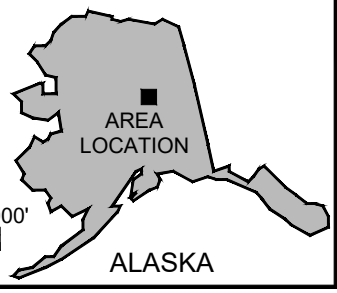
0 1,000' 2,000'

APPROXIMATE SCALE: 1 in. = 1,000 ft.



UNIVERSITY CAR CARE CENTER - WILLIAMS #5026
(UNIVERSITY CAR CARE CENTER FORMER - TEXACO 211081)
4103 GEIST ROAD
FAIRBANKS, ALASKA

SITE LOCATION MAP

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FIGURE 1

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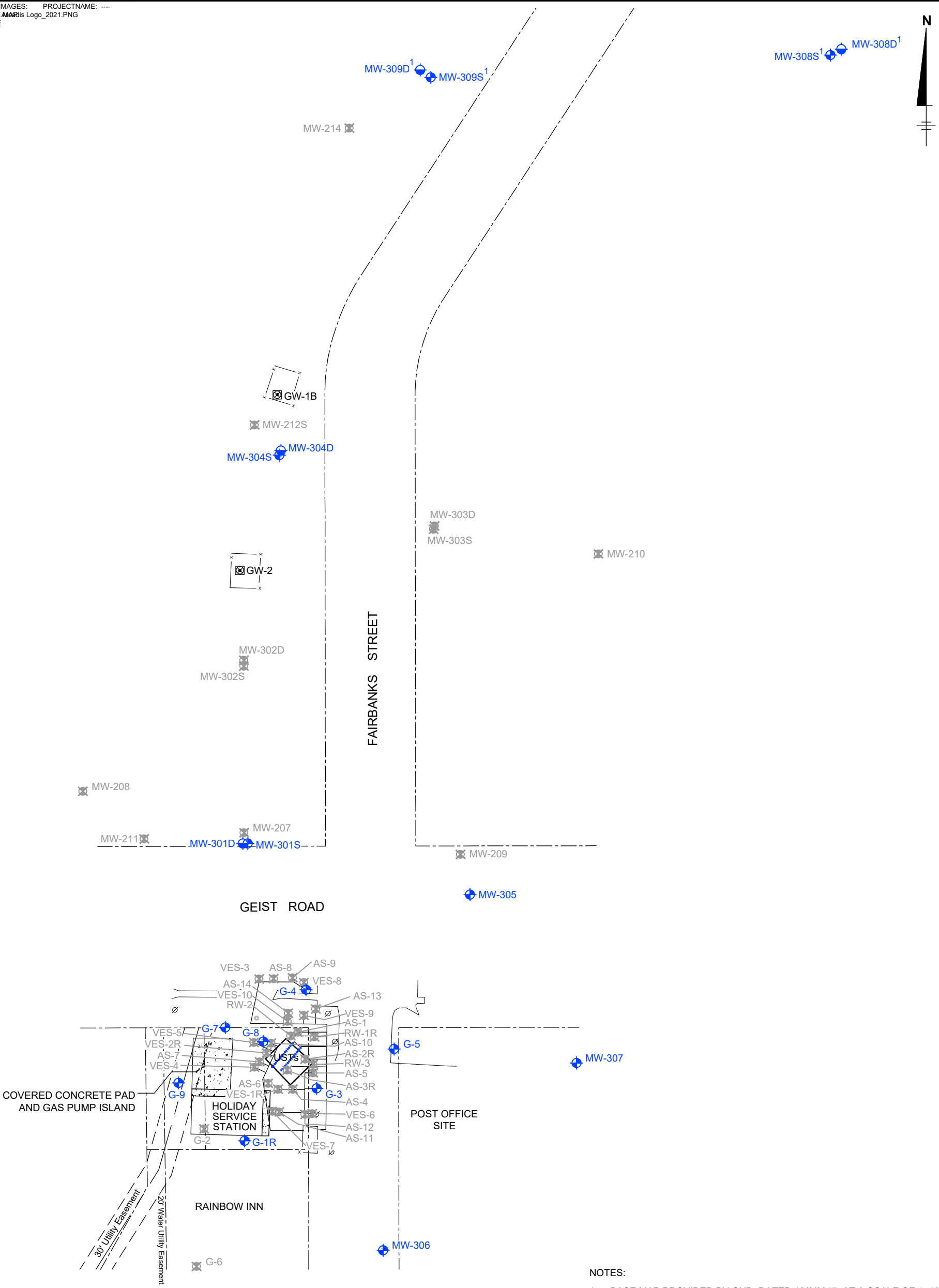

LEGEND:

- MW-301S — SHALLOW ZONE GROUNDWATER MONITORING WELL
- MW-301D — DEEP ZONE GROUNDWATER MONITORING WELL
- MW-210 — DECOMMISSIONED/ABANDONEDÐONITORING, AIR SPARGE, SOIL VAPOR EXTRACTION, AND RECOVERY WELLS
- GW-2 — DRINKING WATER WELL
- REMEDIATION PIPING
- HORIZONTAL SOIL VAPOR EXTRACTION (SVE) WELL
- PUBLIC R-O-W BOUNDARY
- FENCE

NOTES:

1. BASE MAP PROVIDED BY GHD, DATED 12/6/2017, AT A SCALE OF 1=100'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. 1 = WELL NOT IN THE REGULAR SAMPLING PROGRAM.

0 110' 220'

APPROXIMATE SCALE: 1 in. = 110 ft.

UNIVERSITY CAR CARE CENTER - WILLIAMS #5026
(UNIVERSITY CAR CARE CENTER FORMER - TEXACO 211081)
4103 GEIST ROAD
FAIRBANKS, ALASKA

SITE PLAN

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FIGURE
2

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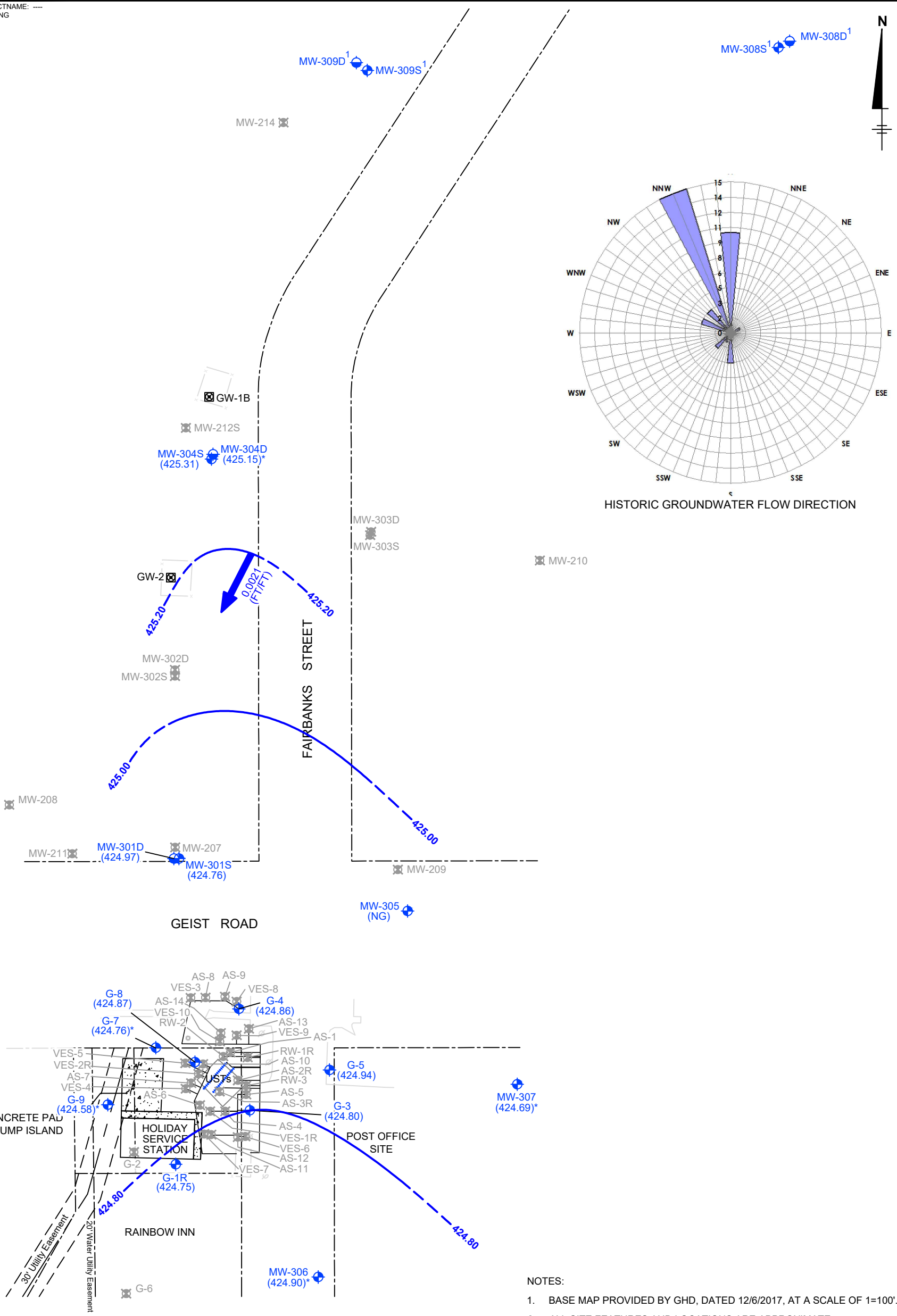

LEGEND:

MW-301S	SHALLOW ZONE GROUNDWATER MONITORING WELL
MW-301D	DEEP ZONE GROUNDWATER MONITORING WELL
MW-210	DECOMMISSIONED/ABANDONEDÐONITORING, AIR SPARGE SOIL VAPOR EXTRACTION, AND RECOVERY WELLS
GW-2	DRINKING WATER WELL
USTs	UNDERGROUND STORAGE TANKS
	HORIZONTAL SOIL VAPOR EXTRACTION (SVE) WELL
(425.31)	GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
425.20	GROUNDWATER ELEVATION CONTOUR (FEET; DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION
0.0021 FT/FT	APPROXIMATE GROUNDWATER GRADIENT FT/FT

(NM)	NOT MEASURED
(NG)	NOT GAUGED
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988
*	WELL NOT USED FOR CONTOURING

NOTES:

1. BASE MAP PROVIDED BY GHD, DATED 12/6/2017, AT A SCALE OF 1=100'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. [1] = WELL NOT IN THE REGULAR SAMPLING PROGRAM.

0 110' 220'

APPROXIMATE SCALE: 1 in. = 110 ft.

UNIVERSITY CAR CARE CENTER - WILLIAMS #5026
(UNIVERSITY CAR CARE CENTER FORMER - TEXACO 211081)
4103 GEIST ROAD
FAIRBANKS, ALASKA

GROUNDWATER ELEVATION CONTOUR MAP JULY 12, 2023

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FIGURE 3

N

MW-304D	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0216
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

MW-301S	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0216
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

MW-301D	
Sample Date	07/12/2023
GRO	<100
Benzene	**0.115 J**
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0214
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

G-7	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0220
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

G-9	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0204
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

G-1R	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0216
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

MW-304S	
Sample Date	07/12/2023
GRO	<100 B
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0212
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

MW-305	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0206
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

G-8	
Sample Date	07/12/2023
GRO	**87.0 J**
Benzene	**0.542 J**
Ethylbenzene	**3.57**
Total Xylenes	**4.52**
EDB 8260D	<0.0500
EDB 8011	<0.0206
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	**1.13**
1,2,4-Trimethylbenzene	**16.7**

G-5	
Sample Date	07/12/2023
GRO	**4,410**
Benzene	**18.2 J**
Ethylbenzene	**88.4 J**
Total Xylenes	**736**
EDB 8260D	***<0.500***
EDB 8011	**0.0157 J**
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	**23.5**
1,2,4-Trimethylbenzene	**455**

G-3	
Sample Date	07/12/2023
GRO	**5,690 [5,800]**
Benzene	**605 [669 D]**
Ethylbenzene	**317 [331 D]**
Total Xylenes	**920 [990]**
EDB 8260D	**0.800 D [0.800 D]**
EDB 8011	**0.496 [0.494]**
Naphthalene 8260D	**12.5 J [15.7 J]**
Naphthalene 8270E-SIM	**21.4 [18.1]**
1,2,4-Trimethylbenzene	**329 [407 D]**

MW-306	
Sample Date	07/12/2023
GRO	<100
Benzene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB 8260D	<0.00500
EDB 8011	<0.0214
Naphthalene 8260D	***<5.00 J***
Naphthalene 8270E-SIM	<0.500
1,2,4-Trimethylbenzene	<1.00

Analyte	ADEC Groundwater Cleanup Levels
GRO	2,200
Benzene	4.6
Ethylbenzene	15
Total Xylenes	190
EDB 8260D	0.075
EDB 8011	0.080
Naphthalene 8260D	1.7
Naphthalene 8270E-SIM	1.7
1,2,4-Trimethylbenzene	56

Concentration in µg/L

MW-309D[1] MW-309S[1] MW-308S[1] MW-308D[1] MW-214 MW-212S GW-1B MW-304D MW-304S MW-303D MW-303S MW-210 GW-2 MW-302D MW-302S FAIRBANKS STREET MW-208 MW-211 MW-207 MW-301S MW-301D MW-209 MW-305 GEIST ROAD AS-8 AS-9 VES-8 VES-3 G-4 (NS) AS-13 AS-14 VES-10 VES-9 AS-1 G-7 G-8 RW-2 RW-1R VES-5 AS-10 VES-2R AS-2R AS-7 USTs RW-3 VES-4 AS-5 G-5 MW-307 (NS) AS-6 AS-3R G-9 VES-1R G-3 AS-4 HOLIDAY SERVICE STATION VES-6 POST OFFICE SITE G-2 G-1R AS-12 AS-11 VES-7 RAINBOW INN 20' Utility Ease 20' Water Utility E MW-306 G-6

LEGEND:

- MW-301S — SHALLOW ZONE GROUNDWATER MONITORING WELL
- MW-301D — DEEP ZONE GROUNDWATER MONITORING WELL
- MW-210 — DECOMMISSIONED/ABANDONEDÐONITORING, AIR SPARGE, SOIL VAPOR EXTRACTION AND RECOVERY WELLS
- GW-2 — DRINKING WATER WELL
- USTs — UNDERGROUND STORAGE TANKS
- HORIZONTAL SOIL VAPOR EXTRACTION (SVE) WELL
- GRO — TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE
- EDB — 1,2-DIBROMOETHANE
- <1.00 — NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT (RDL)
- **BOLD** — VALUE EXCEED ADEC GROUNDWATER CLEANUP LEVEL
- **BOLD** — VALUE EXCEEDS METHOD DETECTION LIMIT

- ***BOLD*** — CONSTITUENT CONSIDERED NON DETECT, HOWEVER LABORATORY RDL IS GREATER THAN ADEC GROUNDWATER CLEANUP LEVEL
- J — THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
- B — COMPOUND REPORTED AT THE LISTED VALUE DUE TO ASSOCIATED BLANK CONTAMINATION
- D — THE DILUTED RESULTS WERE REPORTED AND QUALIFIED AS BEING REPORTED AT A DILUTION
- -- — NOT ANALYZED
- (NS) — NOT SAMPLED
- µg/L — MICROGRAMS PER LITER
- [ ] — DUPLICATE SAMPLE
- ADEC — ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NOTES:

1. BASE MAP PROVIDED BY GHD, DATED 12/6/2017, AT A SCALE OF 1=100'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. [1] = WELL NOT IN THE REGULAR SAMPLING PROGRAM.
4. NAPHTHALENE WAS ANALYZED BY 8260D AND 8270E-SIM METHOD.
5. EDB WAS ANALYZED BY 8260D AND 8011 METHOD.

0 110' 220'

APPROXIMATE SCALE: 1 in. = 110 ft.

UNIVERSITY CAR CARE CENTER - WILLIAMS #5026
(UNIVERSITY CAR CARE CENTER FORMER - TEXACO 211081)
4103 GEIST ROAD
FAIRBANKS, ALASKA

GROUNDWATER ANALYTICAL RESULTS MAP JULY 12, 2023

ARCADIS

FIGURE 4

Tables

Table 1
Groundwater Monitoring Schedule
First Annual 2023
University Car Care Center - Williams #5026
(Former Texaco-Branded Service Station #211081)
4103 Geist Road,
Fairbanks, Alaska

Well ID	Sample Schedule	Gauge	Sample	Comment
G-1R	Annual	Y	Y	
G-3	Annual	Y	Y	
G-4	Annual	Y	Y	
G-5	Annual	Y	Y	
G-7	Annual	Y	Y	
G-8	Annual	Y	Y	
G-9	Annual	Y	Y	
MW-301D	Annual	Y	Y	
MW-301S	Annual	Y	Y	
MW-304D	Annual	Y	Y	
MW-304S	Annual	Y	Y	
MW-305	Annual	Y	Y	
MW-306	Annual	Y	Y	
MW-307	Annual	Y	Y	
BD-1	Annual	N	Y	
TB	Annual	N	Y	
EQB	Annual	N	Y	
MS/MSD	Annual	N	Y	

Note:

All wells sampled for Volatile Organic Compounds (GC/MS) 8260D and 123-TCP/EDB Low level 524/8260D, EDB 8011, Alaska AK101 Determination of GRO, Alaska AK102 Determination of DRO, Alaska AK103 Determination of RRO, 8270E-SIM Determination of Poly Aromatic Hydrocarbons and Lead 6010D.

Table 2
Current Groundwater Gauging and Analytical Results
First Annual 2023
University Car Care Center - Williams #5026
(Former Texaco-Branded Service Station #211081)
4103 Geist Road,
Fairbanks, Alaska

Well ID	Sample Date	TOC (ft bTOC)	DTW (feet bTOC)	GW Elev. (feet)	DRO (µg/L)	DRO with SGT (µg/L)	GRO (µg/L)	RRO (µg/L)	Benzene (µg/L)
ADEC Groundwater Cleanup Levels					1,500	1,500	2,200	1,100	4.6
G-1R	07/12/23	435.90	11.15	424.75	<800 B	<800 B J	<100	<800	<1.00
G-3	07/12/23	434.98	10.18	424.80	<1,310 B [<1,270 B]	<922 B [<922 B J]	**5,690 [5,800]**	<800 [<800]	**605 [669 D]**
G-4	07/12/23	437.09	12.23	424.86	--	--	--	--	--
G-5	07/12/23	435.63	10.69	424.94	<1,470 B	**1,190 J**	**4,410**	<800	**18.2 J**
G-7	07/12/23	436.80	12.04	424.76	<800 B	<800 B J	<100	<800	<1.00
G-8	07/12/23	436.30	11.43	424.87	<800 B J	<800 B J	**87.0 J**	<800	**0.542 J**
G-9	07/12/23	435.74	11.16	424.58	<800 B	<800 B J	<100	<800	<1.00
MW-301D	07/12/23	438.22	13.25	424.97	<800 B	<800 B J	<100	<800	**0.115 J**
MW-301S	07/12/23	437.64	12.88	424.76	<800 B	<800 B J	<100	<800	<1.00
MW-304D	07/12/23	440.29	15.14	425.15	<800 B	<800 B J	<100	<800	<1.00
MW-304S	07/12/23	440.19	14.88	425.31	<800 B	<800 B J	<100 B	<800	<1.00
MW-305	07/12/23	--	11.78	--	<800 B	<800 B J	<100	<800	<1.00
MW-306	07/12/23	434.58	9.68	424.90	<800 B	<800 B J	<100	<800	<1.00
MW-307	07/12/23	438.30	13.61	424.69	--	--	--	--	--

Notes :
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GRO = Total petroleum hydrocarbons, gasoline range organics
DRO = Total petroleum hydrocarbons, diesel range organics
RRO = Total petroleum hydrocarbons, residual range organics
MTBE= Methyl tert-butyl ether
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
J = The associated numerical value is an estimated concentration only
B = Compound considered non-detect at the listed value due to associated blank contamination.
D = The diluted results were reported and qualified as being reported at a dilution

Analytical Methods:

1. GRO analyzed by Alaska Method AK101, DRO analyzed by Alaska Method AK102 and RRO analyzed by Alaska Method AK103..

2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.

3. EDB analyzed by United States Environmental Protection Agency (USEPA) Method 8011 and 8260D and the method with lowest RDL is considered.

4. Tables 2 and 3 constituents of concern analyzed by USEPA Method 8260D except where noted above.

18 AAC 75. Department of Environmental Conservation, State of Alaska, Oil and Other Hazardous Substances Pollution Control, Table C. Groundwater Cleanup Levels, as amended through February 5, 2023.

Table 2
Current Groundwater Gauging and Analytical Results
First Annual 2023
University Car Care Center - Williams #5026
(Former Texaco-Branded Service Station #211081)
4103 Geist Road,
Fairbanks, Alaska

Well ID	Sample Date	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	EDC (µg/L)	Lead (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels		1,100	15	190	0.075	1.7	15	1.7	
G-1R	07/12/23	<1.00	<1.00	<3.00	<0.00500	**0.221 J**	<6.00	***<5.00 J***	
G-3	07/12/23	**10.6 [10.6]**	**317 [331 D]**	**920 [990]**	**0.496 [0.494]**	***<10.0*** **[1.35]**	**3.31 J [4.18 J]**	**12.5 J [15.7 J]**	
G-4	07/12/23	--	--	--	--	--	--	--	No sample collected due to bent casing.
G-5	07/12/23	<100	**88.4 J**	**736**	**0.0157 J**	***<100***	<6.00	***<500 J***	
G-7	07/12/23	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	***<5.00 J***	
G-8	07/12/23	<1.00	**3.57**	**4.52**	<0.0500	<1.00	<6.00	***<5.00 J***	
G-9	07/12/23	<1.00	<1.00	<3.00	<0.00500	<1.00	**3.79 J**	***<5.00 J***	
MW-301D	07/12/23	<1.00	<1.00	<3.00	<0.00500	**0.209 J**	<6.00	***<5.00 J***	
MW-301S	07/12/23	<1.00	<1.00	<3.00	<0.00500	**0.215 J**	<6.00	***<5.00 J***	
MW-304D	07/12/23	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	***<5.00 J***	
MW-304S	07/12/23	<1.00	<1.00	<3.00	<0.00500	**0.144 J**	<6.00	***<5.00 J***	
MW-305	07/12/23	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	***<5.00 J***	
MW-306	07/12/23	<1.00	<1.00	<3.00	<0.00500	**0.102 J**	<6.00	***<5.00 J***	
MW-307	07/12/23	--	--	--	--	--	--	--	Not enough water to sample

Notes :

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RRO = Total petroleum hydrocarbons, residual range organics
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EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
J = The associated numerical value is an estimated concentration only
B = Compound considered non-detect at the listed value due to associated blank contamination.
D = The diluted results were reported and qualified as being reported at a dilution

Analytical Methods:

1. GRO analyzed by Alaska Method AK101, DRO analyzed by Alaska Method AK102 and RRO analyzed by Alaska Method AK103..

2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.

3. EDB analyzed by United States Environmental Protection Agency (USEPA) Method 8011 and 8260D and the method with lowest RDL is considered.

4. Tables 2 and 3 constituents of concern analyzed by USEPA Method 8260D except where noted above.

18 AAC 75. Department of Environmental Conservation, State of Alaska, Oil and Other Hazardous Substances Pollution Control, Table C. Groundwater Cleanup Levels, as amended through February 5, 2023.

Table 3
Current Groundwater Additional VOCs Gauging and Analytical Results
First Annual 2023
University Car Care Center - Williams #5026
(Former Texaco-Branded Service Station #211081)
4103 Geist Road,
Fairbanks, Alaska

Well ID	Sample Date	TOC (ft bTOC)	DTW (feet bTOC)	GW Elev. (feet)	Additional VOCs by USEPA Method 8260D					
					Acetone (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Bromobenzene (µg/L)	Bromochloromethane (µg/L)	Bromodichloromethane (µg/L)
ADEC Groundwater Cleanup Levels					**14,000**	**--**	**--**	**62**	**--**	**1.3**
G-1R	07/12/23	435.90	11.15	424.75	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
G-3	07/12/23	434.98	10.18	424.80	<500 [<50.0]	<500 J [<50.0 J]	<100 [<10.0]	<10.0 [<1.00]	<10.0 [<1.00]	***<10.0*** [<1.00]
G-4	07/12/23	437.09	12.23	424.86	--	--	--	--	--	--
G-5	07/12/23	435.63	10.69	424.94	<5,000	<5,000 J	<1,000	***<100***	<100	***<100***
G-7	07/12/23	436.80	12.04	424.76	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
G-8	07/12/23	436.30	11.43	424.87	<50.0	<50.0 R	<10.0	<1.00	<1.00	<1.00
G-9	07/12/23	435.74	11.16	424.58	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-301D	07/12/23	438.22	13.25	424.97	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-301S	07/12/23	437.64	12.88	424.76	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-304D	07/12/23	440.29	15.14	425.15	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-304S	07/12/23	440.19	14.88	425.31	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-305	07/12/23	--	11.78	--	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-306	07/12/23	434.58	9.68	424.90	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00
MW-307	07/12/23	438.30	13.61	424.69	--	--	--	--	--	--

Notes :

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TOC = Top of casing

GRO = Total petroleum hydrocarbons, gasoline range organics

DRO = Total petroleum hydrocarbons, diesel range organics

RRO = Total petroleum hydrocarbons, residual range organics

MTBE= Methyl tert-butyl ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

VOC = Volatile Organic Compounds

sVOC = Semi-volatile Organic Compounds

R = The sample results are rejected

J = The associated numerical value is an estimated concentration only

B = Compound considered non-detect at the listed value due to associated blank contamination.

D = The diluted results were reported and qualified as being reported at a dilution

Analytical Methods:

1. GRO analyzed by Alaska Method AK101, DRO analyzed by Alaska Method AK102 and RRO analyzed by Alaska Method AK103..

2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.

3. EDB analyzed by United States Environmental Protection Agency (USEPA) Method 8011 and 8260D.

4. Tables 2 and 3 constituents of concern analyzed by USEPA Method 8260D except where noted.

5. Naphthalene analyzed by United States Environmental Protection Agency (USEPA) Method 8270E-SIM.

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University Car Care Center - Williams #5026
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Well ID	Sample Date	Additional VOCs by USEPA Method 8260D								
		Bromoform (µg/L)	Bromomethane (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chlorobenzene (µg/L)	Chlorodibromo-methane (Dibromochloro-methane) (µg/L)
ADEC Groundwater Cleanup Levels		33	7.5	1,000	2,000	690	810	4.6	78	8.7
G-1R	07/12/23	<1.00	<5.00	**0.312 J**	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
G-3	07/12/23	<10.0 [<1.00]	***<50.0*** [<5.00]	<10.0 [<1.00]	**7.28 J [7.77]**	<10.0 J [<1.00 J]	<10.0 [<1.00]	***<10.0*** [<1.00]	<10.0 [<1.00]	***<10.0*** [<1.00]
G-4	07/12/23	--	--	--	--	--	--	--	--	--
G-5	07/12/23	***<100***	***<500***	<100	<100	<100 J	<100	***<100***	***<100***	***<100***
G-7	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
G-8	07/12/23	<1.00	<5.00	<1.00	**0.847 J**	<1.00 J	<1.00	<1.00	<1.00	<1.00
G-9	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-301D	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-301S	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-304D	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-304S	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-305	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-306	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00
MW-307	07/12/23	--	--	--	--	--	--	--	--	--

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Well ID	Sample Date	Additional VOCs by USEPA Method 8260D								
		Chloroethane (Ethyl Chloride) (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	2-Chlorotoluene (o-Chlorotoluene) (µg/L)	4-Chlorotoluene (p-Chlorotoluene) (µg/L)	1,2-Dibromo-3-chloropropane (µg/L)	Dibromomethane (Methylene bromide) (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)
ADEC Groundwater Cleanup Levels		**21,000**	**2.2**	**190**	**--**	**--**	**--**	**8.3**	**300**	**300**
G-1R	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
G-3	07/12/23	<50.0 [<5.00]	***<50.0 [<5.00]***	<25.0 [<2.50]	<10.0 [<1.00]	<10.0 [<1.00]	<50.0 J [<5.00 J]	***<10.0*** [<1.00]	<10.0 [<1.00]	<10.0 [<1.00]
G-4	07/12/23	--	--	--	--	--	--	--	--	--
G-5	07/12/23	<500	***<500***	***<250***	<100	<100	<500 J	***<100***	<100	<100
G-7	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
G-8	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
G-9	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-301D	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-301S	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-304D	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-304S	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-305	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-306	07/12/23	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00
MW-307	07/12/23	--	--	--	--	--	--	--	--	--

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First Annual 2023
University Car Care Center - Williams #5026
(Former Texaco-Branded Service Station #211081)
4103 Geist Road,
Fairbanks, Alaska

Well ID	Sample Date	Additional VOCs by USEPA Method 8260D								
		1,4-Dichlorobenzene (µg/L)	Dichlorodifluoromethane (Freon 12) (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene) (µg/L)	trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene) (µg/L)	1,2-Dichloropropane (µg/L)	1,3-Dichloropropane (µg/L)	2,2-Dichloropropane (µg/L)
ADEC Groundwater Cleanup Levels		4.8	200	28	280	36	360	8.2	--	--
G-1R	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
G-3	07/12/23	***<10.0*** [<1.00]	<50.0 [<5.00]	<10.0 [<1.00]	<10.0 [<1.00]	<10.0 [<1.00]	<10.0 [<1.00]	***<10.0*** [<1.00]	<10.0 [<1.00]	<10.0 [<1.00]
G-4	07/12/23	--	--	--	--	--	--	--	--	--
G-5	07/12/23	***<100***	***<500***	***<100***	<100	***<100***	<100	***<100***	<100	<100
G-7	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
G-8	07/12/23	<1.00	<5.00	<1.00	**0.212 J**	<1.00	<1.00	<1.00	<1.00	<1.00
G-9	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-301D	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-301S	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-304D	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-304S	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-305	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-306	07/12/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-307	07/12/23	--	--	--	--	--	--	--	--	--

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Well ID	Sample Date	Additional VOCs by USEPA Method 8260D								
		1,1-Dichloropropene (µg/L)	cis-1,3-Dichloropropene (µg/L)	trans-1,3-Dichloropropene (µg/L)	Di-isopropyl ether (µg/L)	EDB (µg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (µg/L)	Isopropylbenzene (Cumeme) (µg/L)	p-Isopropyltoluene (µg/L)	2-Butanone (Methyl ethyl ketone) (µg/L)
ADEC Groundwater Cleanup Levels		--	--	--	--	0.075	1.4	450	--	5,600
G-1R	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
G-3	07/12/23	<10.0 [<1.00]	<10.0 [<1.00]	<10.0 [<1.00]	<10.0 [<1.00]	**0.800 D [0.800 D]**	***<10.0*** [<1.00]	**34.6 [40.1]**	<10.0 J [<1.00 J]	**43.2 J** [<10.0]
G-4	07/12/23	--	--	--	--	--	--	--	--	--
G-5	07/12/23	<100	<100	<100	<100	***<0.500***	***<100***	<100	<100 J	<1,000
G-7	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
G-8	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.0500	<1.00	**3.38**	<1.00 J	<10.0
G-9	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-301D	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-301S	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-304D	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-304S	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-305	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-306	07/12/23	<1.00	<1.00	<1.00	<1.00	<0.00500	<1.00	<1.00	<1.00 J	<10.0
MW-307	07/12/23	--	--	--	--	--	--	--	--	--

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Well ID	Sample Date	Additional VOCs by USEPA Method 8260D								
		4-Methyl-2-pentanone (Methyl Isobutyl Ketone) (µg/L)	MTBE (µg/L)	Methylene chloride (µg/L)	Naphthalene (µg/L)	n-Propylbenzene (Propylbenzene) (µg/L)	Styrene (µg/L)	1,1,1,2-Tetrachloroethane (µg/L)	1,1,2,2-Tetrachloroethane (µg/L)	Tetrachloroethene (Tetrachloroethylene) (µg/L)
ADEC Groundwater Cleanup Levels		**6,300**	**140**	**110**	**2**	**660**	**1,200**	**5.7**	**0.76**	**41**
G-1R	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
G-3	07/12/23	<100 [<10.0]	<10.0 [<1.00]	<50.0 [<5.00]	**12.5 J [15.7 J]**	**63.1 [72.6]**	<10.0 [<1.00]	***<10.0*** [<1.00]	***<10.0 J [<1.00 J]***	<10.0 [<1.00]
G-4	07/12/23	--	--	--	--	--	--	--	--	--
G-5	07/12/23	<1,000	<100	***<500***	***<500 J***	**81.5 J**	<100	***<100***	***<100 J***	***<100***
G-7	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
G-8	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	**2.28**	<1.00	<1.00	***<1.00 J***	<1.00
G-9	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-301D	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-301S	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-304D	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-304S	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-305	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-306	07/12/23	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00 J***	<1.00
MW-307	07/12/23	--	--	--	--	--	--	--	--	--

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Well ID	Sample Date	Additional VOCs by USEPA Method 8260D								
		1,2,3-Trichlorobenzene (µg/L)	1,2,4-Trichlorobenzene (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1,2-Trichloroethane (µg/L)	Trichloroethene (Trichloroethylene) (µg/L)	Trichlorofluoromethane (Freon 11) (µg/L)	1,2,3-Trichloropropane (µg/L)	1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113) (µg/L)	1,2,3-Trimethylbenzene (µg/L)
ADEC Groundwater Cleanup Levels		**7**	**4**	**8,000**	**0.41**	**2.8**	**5,200**	**0.0075**	**10,000**	**--**
G-1R	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00
G-3	07/12/23	***<10.0 J*** [<1.00 J]	***<10.0*** [<1.00]	<10.0 [<1.00]	***<10.0 [<1.00]***	***<10.0*** [<1.00]	<50.0 [<5.00]	***<0.500 [<0.500]***	<10.0 [<1.00]	<10.0 J [58.9 J]
G-4	07/12/23	--	--	--	--	--	--	--	--	--
G-5	07/12/23	***<100 J***	***<100***	<100	***<100***	***<100***	<500	***<0.500***	<100	**88.9 J**
G-7	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	**1.81 J**	<0.00500	<1.00	<1.00
G-8	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	**2.03 J**	***<0.0500***	<1.00	**0.983 J**
G-9	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	**10.2**	<0.00500	<1.00	<1.00
MW-301D	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00
MW-301S	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00
MW-304D	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00
MW-304S	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	**0.204 J**	<0.00500	<1.00	<1.00
MW-305	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00
MW-306	07/12/23	<1.00 J	<1.00	<1.00	***<1.00***	<1.00	**1.37 J**	<0.00500	<1.00	<1.00
MW-307	07/12/23	--	--	--	--	--	--	--	--	--

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Fairbanks, Alaska

Well ID	Sample Date	Additional VOCs by USEPA Method 8260D			sVOC by USEPA Method 8270E-SIM	EDB/DBCP by USEPA Method 8011	Metals by USEPA Method 6010D	Comments
		1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)	Naphthalene (µg/L)	EDB (µg/L)	Lead (µg/L)	
ADEC Groundwater Cleanup Levels		**56**	**60**	**0.19**	**1.70**	**0.08**	**15**	
G-1R	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0216	<6.00	
G-3	07/12/23	**329 [407 D]**	<10.0 [<1.00]	***<10.0 [<1.00]***	**21.4 [18.1]**	**0.496 [0.494]**	**3.31 J [4.18 J]**	
G-4	07/12/23	--	--	--	--	--	--	Casing bend, could not get pump down well. No sample
G-5	07/12/23	**455**	***<100***	***<100***	**23.5**	**0.0157 J**	<6.00	
G-7	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0220	<6.00	
G-8	07/12/23	**16.7**	**0.865 J**	***<1.00***	**1.13**	<0.0206	<6.00	
G-9	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0204	**3.79 J**	
MW-301D	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0214	<6.00	
MW-301S	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0216	<6.00	
MW-304D	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0216	<6.00	
MW-304S	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0212	<6.00	
MW-305	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0206	<6.00	
MW-306	07/12/23	<1.00	<1.00	***<1.00***	<0.500	<0.0214	<6.00	
MW-307	07/12/23	--	--	--	--	--	--	Not enough water to sample

Notes :

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed

[ ] = Blind Duplicate Sample Result

<0.00100 = Not detected at or above the reported detection limit (RDL)

µg/L = Micrograms per liter

ADEC = Alaska Department of Environmental Conservation

Bold = Detected above laboratory method detection limit (MDL)

Bold and *Italicized* = Constituent considered non-detect, however Laboratory RDL is greater than the ADEC Groundwater Cleanup Level

Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level

DTW = Depth to groundwater

EB = Equipment Blank

feet = Relative to NAVD88

bTOC = Below top of casing

GW Elev = Groundwater elevation

ID = Identification

MW = Groundwater monitoring well

TB = Trip Blank

TOC = Top of casing

GRO = Total petroleum hydrocarbons, gasoline range organics

DRO = Total petroleum hydrocarbons, diesel range organics

RRO = Total petroleum hydrocarbons, residual range organics

MTBE= Methyl tert-butyl ether

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

VOC = Volatile Organic Compounds

sVOC = Semi-volatile Organic Compounds

R = The sample results are rejected

J = The associated numerical value is an estimated concentration only

B = Compound considered non-detect at the listed value due to associated blank contamination.

D = The diluted results were reported and qualified as being reported at a dilution

Analytical Methods:

1. GRO analyzed by Alaska Method AK101, DRO analyzed by Alaska Method AK102 and RRO analyzed by Alaska Method AK103..

2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.

3. EDB analyzed by United States Environmental Protection Agency (USEPA) Method 8011 and 8260D.

4. Tables 2 and 3 constituents of concern analyzed by USEPA Method 8260D except where noted.

5. Naphthalene analyzed by United States Environmental Protection Agency (USEPA) Method 8270E-SIM.

18 AAC 75. Department of Environmental Conservation, State of Alaska, Oil and Other Hazardous Substances Pollution Control, Table C. Groundwater Cleanup Levels, as amended through February 5, 2023.

Attachment A

Field Notes

Daily Log

Project Number : 30064221

Prepared By: Evan Wujcik

Site ID: 211081

Site Name: University Car Care Center

City: Fairbanks

State: Alaska

Project Manager: Wood, Nicholas

Portfolio: COP 5.0

Subportfolio: West

Inside Chevron Operational Control? Yes ☐ No ☑

Staff on Site
Evan Wujcik

Weather(°F)	PPE	Equipment
Clear		Water Quality Meter (i.e. YSI), Water Level Meter (WLM), Bladder Pump, Photoionization Detector (PID)

Date	Time	Description of Activities
07/12/2023	6:00	Arrive on site Locate wells MW307 not enough water to sample. G4 casing bent. Could not get pump down well. No sample.
07/12/2023	7:00	Sample MW306 Decon equipment See COC for analysis
07/12/2023	7:45	Sample MW301S Decon equipment See COC for analysis
07/12/2023	8:30	Sample MW301D Decon equipment See COC for analysis
07/12/2023	9:15	Sample MW304S Decon equipment See COC for analysis
07/12/2023	10:00	Sample 304D Decon equipment See COC for analysis
07/12/2023	10:45	Sample MW305 Decon equipment See COC for analysis
07/12/2023	11:30	Sample G9 Decon equipment See COC for analysis
07/12/2023	12:15	Sample G1R Decon equipment See COC for analysis
07/12/2023	13:00	Sample G8 MS/MSD samples collected from this location Decon equipment See COC for analysis

Daily Log

07/12/2023	13:45	Sample G7 Decon equipment See COC for analysis
07/12/2023	14:30	Sample G3 BD samples collected from this location Decon equipment See COC for analysis
07/12/2023	15:15	Sample G5 Decon equipment See COC for analysis
07/12/2023	16:00	Load vehicle Mobilize offsite

One or more parameters were not specified for the subreport, 'Subreport2', located at: 'Subreport_overall'.

Signature

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	G-5	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	10.69	**Total Depth (ft-bmp)**	18.9	**Water Column (ft)**	8.21	**Gallons in Well**	1.33
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	15:15	**Well Volumes Purged**	0.48	**Sample ID**	G-5-W-20230712	**Purge Equipment**	Bladder
Purge Start	14:50	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	15:10	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:53	200	10.73	6.82	0.847	1.4	1.80	4.88	-29	--	--
14:56	200	10.75	6.81	0.816	0.0	0.00	4.25	-22	--	--
14:59	200	10.76	6.81	0.804	0.0	0.00	4.12	-19	--	--
15:02	200	10.79	6.80	0.800	0.0	0.00	4.03	-17	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	G-5-W-20230712	Sample Time:	15:15	Sample Depth (ft-bmp) (e.g. pump intake):	11
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	10.79

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	G-7	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	12.04	**Total Depth (ft-bmp)**	17.8	**Water Column (ft)**	5.76	**Gallons in Well**	0.94
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	13:45	**Well Volumes Purged**	0.67	**Sample ID**	G-7-W-20230712	**Purge Equipment**	Bladder
Purge Start	13:20	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	13:40	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:23	200	12.05	6.66	1.48	0.9	11.54	7.07	98	--	--
13:26	200	12.06	6.67	1.53	0.0	10.72	6.26	101	--	--
13:29	200	12.07	6.66	1.54	0.0	9.97	5.90	104	--	--
13:32	200	12.08	6.66	1.54	0.0	9.44	5.89	106	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	G-7-W-20230712	Sample Time:	13:45	Sample Depth (ft-bmp) (e.g. pump intake):	12.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.08

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	G-1R	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	4	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	11.15	**Total Depth (ft-bmp)**	17.7	**Water Column (ft)**	6.55	**Gallons in Well**	4.26
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	12:15	**Well Volumes Purged**	0.15	**Sample ID**	G-1R-W-20230712	**Purge Equipment**	Bladder
Purge Start	11:50	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	12:10	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:53	200	11.16	6.84	0.809	70.6	0.46	8.22	-74	--	--
11:56	200	11.17	6.90	0.820	42.4	0.00	7.59	-83	--	--
11:59	200	11.18	6.91	0.820	34.7	0.00	7.31	-86	--	--
12:02	200	11.19	6.92	0.821	33.1	0.00	7.25	-88	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	G-1R-W-20230712	Sample Time:	12:15	Sample Depth (ft-bmp) (e.g. pump intake):	12
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.19

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	G-9	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	11.16	**Total Depth (ft-bmp)**	18.9	**Water Column (ft)**	7.74	**Gallons in Well**	1.26
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	11:30	**Well Volumes Purged**	0.50	**Sample ID**	G-9-W-20230712	**Purge Equipment**	Bladder
Purge Start	11:00	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	11:20	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:03	200	11.18	6.62	0.805	319	0.00	7.00	-21	--	--
11:06	200	11.2	6.61	0.806	252	0.00	6.11	-21	--	--
11:09	200	11.21	6.61	0.798	210	0.00	5.98	-22	--	--
11:12	200	11.22	6.60	0.794	205	0.00	5.87	-23	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	G-9-W-20230712	Sample Time:	11:30	Sample Depth (ft-bmp) (e.g. pump intake):	12
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.22

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	MW-304D	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	15.14	**Total Depth (ft-bmp)**	60	**Water Column (ft)**	44.86	**Gallons in Well**	7.29
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:00	**Well Volumes Purged**	0.09	**Sample ID**	MW-304D-W-20230712	**Purge Equipment**	Bladder
Purge Start	09:30	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	09:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:33	200	15.15	7.59	0.692	0.0	3.92	13.05	122	--	--
09:36	200	15.16	7.87	0.686	0.0	4.64	12.89	124	--	--
09:39	200	15.17	7.92	0.679	0.0	5.15	12.93	128	--	--
09:42	200	15.19	7.93	0.678	0.0	5.30	12.97	130	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-304D-W-20230712	Sample Time:	10:00	Sample Depth (ft-bmp) (e.g. pump intake):	16
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	15.19

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	MW-304S	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	14.88	**Total Depth (ft-bmp)**	19	**Water Column (ft)**	4.12	**Gallons in Well**	0.67
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	09:15	**Well Volumes Purged**	0.95	**Sample ID**	MW-304S-W-20230712	**Purge Equipment**	Bladder
Purge Start	08:50	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	09:10	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:53	200	14.9	6.90	0.709	32.7	0.10	12.30	88	--	--
08:56	200	14.93	6.85	0.710	21.6	0.00	12.24	94	--	--
08:59	200	14.94	6.84	0.712	12.9	0.00	12.24	100	--	--
09:02	200	14.95	6.83	0.715	8.9	0.00	12.22	103	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-304S-W-20230712	Sample Time:	09:15	Sample Depth (ft-bmp) (e.g. pump intake):	15.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	14.95

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	MW-301D	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	13.25	**Total Depth (ft-bmp)**	32.1	**Water Column (ft)**	18.85	**Gallons in Well**	3.06
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	08:30	**Well Volumes Purged**	0.21	**Sample ID**	MW-301D-W-20230712	**Purge Equipment**	Bladder
Purge Start	08:00	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	08:20	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:03	200	13.28	7.02	0.673	0.0	0.00	7.33	-92	--	--
08:06	200	13.29	7.04	0.666	0.0	0.00	7.02	-97	--	--
08:09	200	13.3	7.02	0.664	0.0	0.00	6.93	-98	--	--
08:12	200	13.32	7.02	0.661	0.0	0.00	6.98	-102	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-301D-W-20230712	Sample Time:	08:30	Sample Depth (ft-bmp) (e.g. pump intake):	14
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	13.32

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	MW-301S	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	12.88	**Total Depth (ft-bmp)**	21.2	**Water Column (ft)**	8.32	**Gallons in Well**	1.35
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:45	**Well Volumes Purged**	0.47	**Sample ID**	MW-301S-W-20230712	**Purge Equipment**	Bladder
Purge Start	07:20	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	07:40	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
07:23	200	12.9	7.01	0.718	294	10.62	7.29	-89	--	--
07:26	200	12.92	7.02	0.713	215	10.13	6.84	-93	--	--
07:29	200	12.93	7.00	0.706	156	9.50	6.82	-93	--	--
07:32	200	12.95	7.00	0.704	119	9.13	6.81	-94	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-301S-W-20230712	Sample Time:	07:45	Sample Depth (ft-bmp) (e.g. pump intake):	13.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.95

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	MW-306	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	9.68	**Total Depth (ft-bmp)**	14	**Water Column (ft)**	4.32	**Gallons in Well**	0.7
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:00	**Well Volumes Purged**	0.91	**Sample ID**	MW-306-W-20230712	**Purge Equipment**	Bladder
Purge Start	06:30	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	06:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
06:33	200	9.7	7.08	0.733	83.5	0.54	5.33	94	--	--
06:36	200	9.73	6.95	0.722	57.8	0.00	4.42	16	--	--
06:39	200	9.75	6.85	0.721	57.5	0.00	3.93	1	--	--
06:42	200	9.77	6.88	0.720	57.1	0.00	3.90	-2	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: MW-306-W-20230712 Sample Time: 07:00 Sample Depth (ft-bmp) (e.g. pump intake): 10

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling: 9.77

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	G-3	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	10.18	**Total Depth (ft-bmp)**	18.8	**Water Column (ft)**	8.62	**Gallons in Well**	1.4
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	14:30	**Well Volumes Purged**	0.45	**Sample ID**	G-3-W-20230712	**Purge Equipment**	Bladder
Purge Start	14:00	**Gallons Purged**	0.63	**Duplicate ID**	BD	**Sample Equipment**	Bladder
Purge End	14:20	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:23	200	10.21	6.78	1.17	0.5	0.00	5.50	-72	--	--
14:26	200	10.23	6.77	1.14	0.0	0.00	5.15	-77	--	--
14:29	200	10.25	6.77	1.13	0.0	0.00	5.02	-80	--	--
14:32	200	10.27	6.76	1.12	0.0	0.12	4.89	-82	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	G-3-W-20230712	Sample Time:	14:30	Sample Depth (ft-bmp) (e.g. pump intake):	11
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	10.27

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	G-8	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	11.43	**Total Depth (ft-bmp)**	19.9	**Water Column (ft)**	8.47	**Gallons in Well**	1.38
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	13:00	**Well Volumes Purged**	0.46	**Sample ID**	G-8-W-20230712	**Purge Equipment**	Bladder
Purge Start	12:30	**Gallons Purged**	0.63	**Duplicate ID**	MS/MSD	**Sample Equipment**	Bladder
Purge End	12:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:33	200	11.45	6.66	0.957	19.5	0.89	5.68	20	--	--
12:36	200	11.48	6.66	0.962	89.0	0.62	5.35	29	--	--
12:39	200	11.49	6.65	0.970	4.3	0.00	5.20	36	--	--
12:42	200	11.51	6.65	0.975	0.8	0.00	5.11	39	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	G-8-W-20230712	Sample Time:	13:00	Sample Depth (ft-bmp) (e.g. pump intake):	12
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.51

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064221	**Well ID**	MW-305	**Date**	7/12/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211081	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	11.78	**Total Depth (ft-bmp)**	15.5	**Water Column (ft)**	3.72	**Gallons in Well**	0.6
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:45	**Well Volumes Purged**	1.06	**Sample ID**	MW-305-W-20230712	**Purge Equipment**	Bladder
Purge Start	10:20	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	10:40	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:23	200	11.8	6.96	0.692	555	3.22	9.50	76	--	--
10:26	200	11.83	6.78	0.770	555	1.98	4.18	71	--	--
10:29	200	11.85	6.75	0.775	319	0.60	3.20	71	--	--
10:32	200	11.87	6.76	0.773	252	0.43	3.10	69	--	--

Comments: Well vault missing completely. Only PVC and cap remain

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID:	MW-305-W-20230712	Sample Time:	10:45	Sample Depth (ft-bmp) (e.g. pump intake):	12.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.87

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Groundwater Gauging Log

Project Number	30064221
Client:	Chevron
Site ID:	211081
Site Location:	Fairbanks, Alaska
Measuring Point:	Top of Casing
Date(s):	07/12/2023
Sampler(s):	Evan Wujcik
Gauging Equipment:	Water Level Meter

Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
G-1R	07/12/2023	06:45	11.15	ND	17.70	0	--	--
G-3	07/12/2023	06:38	10.18	ND	18.80	0	--	--
G-4	07/12/2023	06:13	12.23	ND	16.30	0	--	Casing bent. Could not sample.
G-5	07/12/2023	06:27	10.69	ND	18.90	0	--	--
G-7	07/12/2023	06:14	12.04	ND	17.80	0	--	--
G-8	07/12/2023	06:25	11.43	ND	19.90	0	--	--
G-9	07/12/2023	06:36	11.16	ND	18.90	0	--	--
MW-301D	07/12/2023	06:49	13.25	ND	32.10	0	--	--
MW-301S	07/12/2023	06:21	12.88	ND	21.20	0	--	--
MW-304D	07/12/2023	06:20	15.14	ND	60.00	0	--	--
MW-304S	07/12/2023	06:08	14.88	ND	19.00	0	--	--
MW-305	07/12/2023	07:01	11.78	ND	15.50	0	--	Well vault missing completely. Only PVC and cap remain
MW-306	07/12/2023	06:23	9.68	ND	14.00	0	--	--
MW-307	07/12/2023	06:10	13.61	ND	14.50	0	--	Not enough water to sample.

ft-bmp = feet below measuring point ND = Not Detected PID = Photoionization Detector Reading

ppm = parts per million -- = Not Recorded

Attachment B

Laboratory Analytical Results

ANALYTICAL REPORT

July 28, 2023

Arcadis - Chevron - AK

Sample Delivery Group:	L1635476
Samples Received:	07/14/2023
Project Number:	30064221.19.45
Description:	211081
Site:	4103 GEIST RD, FAIRBANKS, AK
Report To:	Nick Wood/Sydney Kunze/Erika Midkiff 880 H St. Anchorage, AK 99501

Entire Report Reviewed By:

Brian Ford

Project Manager

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MW-306-W-20230712 L1635476-01 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 07:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:20	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2094635	1	07/15/23 19:48	07/15/23 19:48	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 01:48	07/16/23 01:48	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 13:11	07/17/23 13:11	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2096404	1.07	07/18/23 11:05	07/18/23 20:57	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 19:01	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 19:01	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2095304	1	07/15/23 07:00	07/16/23 13:59	DLH	Mt. Juliet, TN

MW-301S-W-20230712 L1635476-02 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 07:45 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:22	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2094635	1	07/15/23 20:15	07/15/23 20:15	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 02:07	07/16/23 02:07	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 13:36	07/17/23 13:36	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2096404	1.08	07/18/23 11:05	07/18/23 21:10	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 19:26	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 19:26	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2095304	1	07/15/23 07:00	07/16/23 14:15	DLH	Mt. Juliet, TN

MW-301D-W-20230712 L1635476-03 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 08:30 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:25	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2094635	1	07/15/23 20:41	07/15/23 20:41	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 02:26	07/16/23 02:26	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 14:00	07/17/23 14:00	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2096404	1.07	07/18/23 11:05	07/18/23 21:23	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 19:51	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 19:51	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2095304	1	07/15/23 07:00	07/16/23 14:33	DLH	Mt. Juliet, TN

MW-304S-W-20230712 L1635476-04 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 09:15 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:28	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2097294	1	07/19/23 04:17	07/19/23 04:17	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 02:44	07/16/23 02:44	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 14:24	07/17/23 14:24	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.06	07/19/23 11:58	07/19/23 20:18	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 20:17	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 20:17	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 02:28	MBE	Mt. Juliet, TN

MW-304D-W-20230712 L1635476-05 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 10:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:36	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2097294	1	07/19/23 04:39	07/19/23 04:39	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 03:04	07/16/23 03:04	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 14:48	07/17/23 14:48	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.08	07/19/23 11:58	07/19/23 20:04	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 20:42	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 20:42	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 02:45	MBE	Mt. Juliet, TN

MW-305-W-20230712 L1635476-06 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 10:45 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:38	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 15:43	07/20/23 15:43	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 03:23	07/16/23 03:23	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 15:12	07/17/23 15:12	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.03	07/19/23 11:58	07/19/23 20:31	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 21:07	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 21:07	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 03:03	MBE	Mt. Juliet, TN

G-9-W-20230712 L1635476-07 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 11:30 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:41	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 16:09	07/20/23 16:09	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 03:42	07/16/23 03:42	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 15:37	07/17/23 15:37	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.02	07/19/23 11:58	07/19/23 20:44	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 21:32	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 21:32	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 03:20	MBE	Mt. Juliet, TN

G-1R-W-20230712 L1635476-08 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 12:15 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:44	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 16:36	07/20/23 16:36	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 04:01	07/16/23 04:01	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 16:01	07/17/23 16:01	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.08	07/19/23 11:58	07/19/23 20:57	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 21:57	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 21:57	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 03:38	MBE	Mt. Juliet, TN

G-8-W-20230712 L1635476-09 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 13:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:09	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 17:03	07/20/23 17:03	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 04:20	07/16/23 04:20	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096726	10	07/18/23 13:26	07/18/23 13:26	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.03	07/19/23 11:58	07/19/23 19:36	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/27/23 22:22	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/27/23 22:22	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 03:54	MBE	Mt. Juliet, TN

G-7-W-20230712 L1635476-10 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 13:45 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:47	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 17:29	07/20/23 17:29	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 04:39	07/16/23 04:39	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 16:48	07/17/23 16:48	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.1	07/19/23 11:58	07/19/23 21:10	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/28/23 00:29	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/28/23 00:29	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 04:46	MBE	Mt. Juliet, TN

G-3-W-20230712 L1635476-11 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 14:30 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:50	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 17:56	07/20/23 17:56	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	10	07/16/23 05:55	07/16/23 05:55	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	100	07/17/23 17:36	07/17/23 17:36	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.02	07/19/23 11:58	07/19/23 21:23	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/28/23 02:35	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/28/23 07:23	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 05:04	MBE	Mt. Juliet, TN

G-5-W-20230712 L1635476-12 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 15:15 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:52	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	10	07/20/23 19:15	07/20/23 19:15	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	100	07/16/23 06:14	07/16/23 06:14	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096726	100	07/18/23 13:51	07/18/23 13:51	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1	07/19/23 11:58	07/19/23 21:35	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/28/23 03:00	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/28/23 07:49	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 05:21	MBE	Mt. Juliet, TN

BD-1-W-20230712 L1635476-13 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 00:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:55	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 18:22	07/20/23 18:22	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 04:58	07/16/23 04:58	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096726	100	07/18/23 14:15	07/18/23 14:15	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2097949	50	07/20/23 01:14	07/20/23 01:14	KSD	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.05	07/19/23 11:58	07/19/23 21:48	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/28/23 03:25	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/28/23 08:15	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 05:38	MBE	Mt. Juliet, TN

EQB-1-W-20230712 L1635476-14 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 16:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2096552	1	07/19/23 05:36	07/23/23 11:58	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 18:49	07/20/23 18:49	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 01:29	07/16/23 01:29	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 17:12	07/17/23 17:12	BRA	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2097471	1.02	07/19/23 11:58	07/19/23 22:39	AMM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102/103	WG2095316	1	07/22/23 04:00	07/28/23 03:50	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102SGT	WG2095318	1	07/22/23 04:00	07/28/23 03:50	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2096343	1	07/18/23 19:49	07/19/23 05:56	MBE	Mt. Juliet, TN

TRIP BLANK 1-20230712 L1635476-15 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 00:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 13:52	07/20/23 13:52	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 00:13	07/16/23 00:13	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 11:35	07/17/23 11:35	BRA	Mt. Juliet, TN

TRIP BLANK 2-20230712 L1635476-16 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 00:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 14:19	07/20/23 14:19	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 00:32	07/16/23 00:32	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 11:59	07/17/23 11:59	BRA	Mt. Juliet, TN

TRIP BLANK 3-20230712 L1635476-17 GW

Collected by: E. Wujcik | Collected date/time: 07/12/23 00:00 | Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 14:49	07/20/23 14:49	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 00:51	07/16/23 00:51	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 12:23	07/17/23 12:23	BRA	Mt. Juliet, TN

TRIP BLANK 4-20230712 L1635476-18 GW

Collected by: E. Wujcik
Collected date/time: 07/12/23 00:00
Received date/time: 07/14/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2098363	1	07/20/23 15:16	07/20/23 15:16	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2095623	1	07/16/23 01:10	07/16/23 01:10	JBE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2096072	1	07/17/23 12:47	07/17/23 12:47	BRA	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Volatile Organic Compounds (GC) by Method AK101

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2097294	TPHGAK C6 to C10	L1635476-04

Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2095623	L1635476-01	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-02	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-03	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-04	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-05	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-06	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-07	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-08	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-09	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-10	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-11	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-12	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-13	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-14	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-15	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-16	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene

Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2095623	L1635476-17	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene
WG2095623	L1635476-18	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Acrolein, Naphthalene, p-Isopropyltoluene and tert-Butylbenzene

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2095623	(LCS) R3950376-1, L1635476-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18	tert-Butylbenzene

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2095623	(MS) R3950376-4, (MSD) R3950376-5, L1635476-09	Acrolein

Semi-Volatile Organic Compounds (GC) by Method AK102/103

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2095316	AK102 DRO C10-C25	L1635476-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2095316	(MS) R3953462-10, (MSD) R3953462-11, L1635476-09	AK102 DRO C10-C25

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2095318	AK102 DRO C10-C25	L1635476-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2095318	(LCSD) R3953463-3, L1635476-04, 11, 12, 13	AK102 DRO C10-C25

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2095318	(MS) R3953463-4, (MS) R3953463-6, (MSD) R3953463-5, (MSD) R3953463-7, L1635476-09	AK102 DRO C10-C25

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG2095304	p-Terphenyl-d14	(BLANK) R3949437-2
WG2096343	p-Terphenyl-d14	L1635476-04, 10, 12

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:20	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/15/2023 19:48	WG2094635
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*50.0-150*		*07/15/2023 19:48*	WG2094635

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 01:48	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 13:11	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 01:48	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 13:11	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 01:48	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 01:48	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 01:48	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 01:48	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 01:48	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 01:48	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 01:48	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 01:48	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 01:48	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 01:48	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 01:48	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 01:48	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 01:48	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 01:48	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 01:48	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 01:48	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 01:48	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 01:48	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 01:48	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 01:48	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 01:48	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 01:48	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 01:48	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 01:48	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 01:48	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 01:48	WG2095623
1,2-Dichloroethane	0.102	J	0.0819	1.00	1	07/16/2023 01:48	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 01:48	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 01:48	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 01:48	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 01:48	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 01:48	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 01:48	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 01:48	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 01:48	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 01:48	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 01:48	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 01:48	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 01:48	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 01:48	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 01:48	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 01:48	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 01:48	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 01:48	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 01:48	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 01:48	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 01:48	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 01:48	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 01:48	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 01:48	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 01:48	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 01:48	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 01:48	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 01:48	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 01:48	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 01:48	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 01:48	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 01:48	WG2095623
Trichlorofluoromethane	1.37	J	0.160	5.00	1	07/16/2023 01:48	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 01:48	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 01:48	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 01:48	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 01:48	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 01:48	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 01:48	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 01:48	WG2095623
(S) Toluene-d8	*103*			*80.0-120*		*07/16/2023 01:48*	WG2095623
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*07/16/2023 01:48*	WG2095623
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*07/16/2023 01:48*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00574	0.0214	1.07	07/18/2023 20:57	WG2096404

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	260	B J	170	800	1	07/27/2023 19:01	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 19:01	WG2095316
(S) o-Terphenyl	*90.5*			*50.0-150*		*07/27/2023 19:01*	WG2095316
(S) n-Triacontane d62	*83.0*			*50.0-150*		*07/27/2023 19:01*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	260	B J	170	800	1	07/27/2023 19:01	WG2095318
(S) o-Terphenyl	*90.5*			*50.0-150*		*07/27/2023 19:01*	WG2095318

Sample Narrative:

L1635476-01 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/16/2023 13:59	WG2095304
(S) Nitrobenzene-d5	*69.5*			*11.0-135*		*07/16/2023 13:59*	WG2095304
(S) 2-Fluorobiphenyl	*68.5*			*32.0-120*		*07/16/2023 13:59*	WG2095304
(S) p-Terphenyl-d14	*65.0*			*23.0-122*		*07/16/2023 13:59*	WG2095304

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:22	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/15/2023 20:15	WG2094635
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*50.0-150*		*07/15/2023 20:15*	WG2094635

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 02:07	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 13:36	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 02:07	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 13:36	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 02:07	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 02:07	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 02:07	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 02:07	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 02:07	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 02:07	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 02:07	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 02:07	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 02:07	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 02:07	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 02:07	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 02:07	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 02:07	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 02:07	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 02:07	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 02:07	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 02:07	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 02:07	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 02:07	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 02:07	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 02:07	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 02:07	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 02:07	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 02:07	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 02:07	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 02:07	WG2095623
1,2-Dichloroethane	0.215	J	0.0819	1.00	1	07/16/2023 02:07	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 02:07	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 02:07	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 02:07	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 02:07	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 02:07	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 02:07	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 02:07	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 02:07	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 02:07	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 02:07	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 02:07	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 02:07	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 02:07	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 02:07	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 02:07	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 02:07	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 02:07	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 02:07	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 02:07	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 02:07	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 02:07	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 02:07	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 02:07	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 02:07	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 02:07	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 02:07	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 02:07	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 02:07	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 02:07	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 02:07	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 02:07	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 02:07	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 02:07	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 02:07	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 02:07	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 02:07	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 02:07	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 02:07	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 02:07	WG2095623
(S) Toluene-d8	*102*			*80.0-120*		*07/16/2023 02:07*	WG2095623
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*07/16/2023 02:07*	WG2095623
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*07/16/2023 02:07*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00579	0.0216	1.08	07/18/2023 21:10	WG2096404

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	283	B J	170	800	1	07/27/2023 19:26	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 19:26	WG2095316
(S) o-Terphenyl	*86.8*			*50.0-150*		*07/27/2023 19:26*	WG2095316
(S) n-Triacontane d62	*77.0*			*50.0-150*		*07/27/2023 19:26*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	283	B J	170	800	1	07/27/2023 19:26	WG2095318
(S) o-Terphenyl	*86.8*			*50.0-150*		*07/27/2023 19:26*	WG2095318

Sample Narrative:

L1635476-02 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/16/2023 14:15	WG2095304
(S) Nitrobenzene-d5	*79.0*			*11.0-135*		*07/16/2023 14:15*	WG2095304
(S) 2-Fluorobiphenyl	*75.5*			*32.0-120*		*07/16/2023 14:15*	WG2095304
(S) p-Terphenyl-d14	*75.0*			*23.0-122*		*07/16/2023 14:15*	WG2095304

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:25	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/15/2023 20:41	WG2094635
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*50.0-150*		*07/15/2023 20:41*	WG2094635

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 02:26	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 14:00	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 02:26	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 14:00	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 02:26	WG2095623
Benzene	0.115	J	0.0941	1.00	1	07/16/2023 02:26	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 02:26	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 02:26	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 02:26	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 02:26	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 02:26	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 02:26	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 02:26	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 02:26	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 02:26	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 02:26	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 02:26	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 02:26	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 02:26	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 02:26	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 02:26	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 02:26	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 02:26	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 02:26	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 02:26	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 02:26	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 02:26	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 02:26	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 02:26	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 02:26	WG2095623
1,2-Dichloroethane	0.209	J	0.0819	1.00	1	07/16/2023 02:26	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 02:26	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 02:26	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 02:26	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 02:26	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 02:26	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 02:26	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 02:26	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 02:26	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 02:26	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 02:26	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 02:26	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 02:26	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 02:26	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 02:26	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 02:26	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 02:26	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 02:26	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 02:26	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 02:26	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 02:26	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 02:26	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 02:26	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 02:26	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 02:26	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 02:26	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 02:26	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 02:26	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 02:26	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 02:26	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 02:26	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 02:26	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 02:26	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 02:26	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 02:26	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 02:26	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 02:26	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 02:26	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 02:26	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 02:26	WG2095623
(S) Toluene-d8	*103*			*80.0-120*		*07/16/2023 02:26*	WG2095623
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*07/16/2023 02:26*	WG2095623
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*07/16/2023 02:26*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00574	0.0214	1.07	07/18/2023 21:23	WG2096404

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	277	B J	170	800	1	07/27/2023 19:51	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 19:51	WG2095316
(S) o-Terphenyl	*85.1*			*50.0-150*		*07/27/2023 19:51*	WG2095316
(S) n-Triacontane d62	*80.5*			*50.0-150*		*07/27/2023 19:51*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	277	B J	170	800	1	07/27/2023 19:51	WG2095318
(S) o-Terphenyl	*85.1*			*50.0-150*		*07/27/2023 19:51*	WG2095318

Sample Narrative:

L1635476-03 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/16/2023 14:33	WG2095304
(S) Nitrobenzene-d5	*60.0*			*11.0-135*		*07/16/2023 14:33*	WG2095304
(S) 2-Fluorobiphenyl	*54.0*			*32.0-120*		*07/16/2023 14:33*	WG2095304
(S) p-Terphenyl-d14	*67.0*			*23.0-122*		*07/16/2023 14:33*	WG2095304

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:28	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	52.2	B J	28.7	100	1	07/19/2023 04:17	WG2097294
(S) a,a,a-Trifluorotoluene(FID)	*97.9*			*50.0-150*		*07/19/2023 04:17*	WG2097294

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 02:44	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 14:24	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 02:44	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 14:24	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 02:44	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 02:44	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 02:44	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 02:44	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 02:44	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 02:44	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 02:44	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 02:44	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 02:44	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 02:44	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 02:44	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 02:44	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 02:44	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 02:44	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 02:44	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 02:44	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 02:44	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 02:44	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 02:44	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 02:44	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 02:44	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 02:44	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 02:44	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 02:44	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 02:44	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 02:44	WG2095623
1,2-Dichloroethane	0.144	J	0.0819	1.00	1	07/16/2023 02:44	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 02:44	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 02:44	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 02:44	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 02:44	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 02:44	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 02:44	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 02:44	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 02:44	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 02:44	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 02:44	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 02:44	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 02:44	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 02:44	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 02:44	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 02:44	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 02:44	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 02:44	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 02:44	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 02:44	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 02:44	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 02:44	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 02:44	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 02:44	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 02:44	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 02:44	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 02:44	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 02:44	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 02:44	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 02:44	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 02:44	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 02:44	WG2095623
Trichlorofluoromethane	0.204	J	0.160	5.00	1	07/16/2023 02:44	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 02:44	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 02:44	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 02:44	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 02:44	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 02:44	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 02:44	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 02:44	WG2095623
(S) Toluene-d8	*102*			*80.0-120*		*07/16/2023 02:44*	WG2095623
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*07/16/2023 02:44*	WG2095623
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*07/16/2023 02:44*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00568	0.0212	1.06	07/19/2023 20:18	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	237	B J	170	800	1	07/27/2023 20:17	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 20:17	WG2095316
(S) o-Terphenyl	*80.9*			*50.0-150*		*07/27/2023 20:17*	WG2095316
(S) n-Triacontane d62	*75.5*			*50.0-150*		*07/27/2023 20:17*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	237	B J J4	170	800	1	07/27/2023 20:17	WG2095318
(S) o-Terphenyl	*80.9*			*50.0-150*		*07/27/2023 20:17*	WG2095318

Sample Narrative:

L1635476-04 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 02:28	WG2096343
(S) Nitrobenzene-d5	*100*			*11.0-135*		*07/19/2023 02:28*	WG2096343
(S) 2-Fluorobiphenyl	*103*			*32.0-120*		*07/19/2023 02:28*	WG2096343
(S) p-Terphenyl-d14	*124*	J1		*23.0-122*		*07/19/2023 02:28*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:36	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/19/2023 04:39	WG2097294
(S) a,a,a-Trifluorotoluene(FID)	*94.3*			*50.0-150*		*07/19/2023 04:39*	WG2097294

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 03:04	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 14:48	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 03:04	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 14:48	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 03:04	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 03:04	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 03:04	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 03:04	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 03:04	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 03:04	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 03:04	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 03:04	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 03:04	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 03:04	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 03:04	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 03:04	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 03:04	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 03:04	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 03:04	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 03:04	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 03:04	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 03:04	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 03:04	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 03:04	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 03:04	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 03:04	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 03:04	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 03:04	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 03:04	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 03:04	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 03:04	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 03:04	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 03:04	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 03:04	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 03:04	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 03:04	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 03:04	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 03:04	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 03:04	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 03:04	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 03:04	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 03:04	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 03:04	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 03:04	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 03:04	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 03:04	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 03:04	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 03:04	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 03:04	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 03:04	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 03:04	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 03:04	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 03:04	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 03:04	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 03:04	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 03:04	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 03:04	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 03:04	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 03:04	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 03:04	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 03:04	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 03:04	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 03:04	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 03:04	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 03:04	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 03:04	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 03:04	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 03:04	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 03:04	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 03:04	WG2095623
(S) Toluene-d8	*104*			*80.0-120*		*07/16/2023 03:04*	WG2095623
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*07/16/2023 03:04*	WG2095623
(S) 1,2-Dichloroethane-d4	*96.0*			*70.0-130*		*07/16/2023 03:04*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00579	0.0216	1.08	07/19/2023 20:04	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	251	B J	170	800	1	07/27/2023 20:42	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 20:42	WG2095316
(S) o-Terphenyl	*84.9*			*50.0-150*		*07/27/2023 20:42*	WG2095316
(S) n-Triacontane d62	*83.5*			*50.0-150*		*07/27/2023 20:42*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	251	B J	170	800	1	07/27/2023 20:42	WG2095318
(S) o-Terphenyl	*84.9*			*50.0-150*		*07/27/2023 20:42*	WG2095318

Sample Narrative:

L1635476-05 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 02:45	WG2096343
(S) Nitrobenzene-d5	*85.5*			*11.0-135*		*07/19/2023 02:45*	WG2096343
(S) 2-Fluorobiphenyl	*91.0*			*32.0-120*		*07/19/2023 02:45*	WG2096343
(S) p-Terphenyl-d14	*101*			*23.0-122*		*07/19/2023 02:45*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:38	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 15:43	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*50.0-150*		*07/20/2023 15:43*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 03:23	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 15:12	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 03:23	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 15:12	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 03:23	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 03:23	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 03:23	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 03:23	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 03:23	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 03:23	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 03:23	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 03:23	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 03:23	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 03:23	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 03:23	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 03:23	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 03:23	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 03:23	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 03:23	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 03:23	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 03:23	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 03:23	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 03:23	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 03:23	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 03:23	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 03:23	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 03:23	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 03:23	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 03:23	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 03:23	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 03:23	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 03:23	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 03:23	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 03:23	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 03:23	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 03:23	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 03:23	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 03:23	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 03:23	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 03:23	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 03:23	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 03:23	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 03:23	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 03:23	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 03:23	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 03:23	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 03:23	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 03:23	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 03:23	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 03:23	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 03:23	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 03:23	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 03:23	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 03:23	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 03:23	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 03:23	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 03:23	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 03:23	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 03:23	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 03:23	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 03:23	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 03:23	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 03:23	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 03:23	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 03:23	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 03:23	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 03:23	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 03:23	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 03:23	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 03:23	WG2095623
(S) Toluene-d8	*104*			*80.0-120*		*07/16/2023 03:23*	WG2095623
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*07/16/2023 03:23*	WG2095623
(S) 1,2-Dichloroethane-d4	*97.1*			*70.0-130*		*07/16/2023 03:23*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00552	0.0206	1.03	07/19/2023 20:31	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	249	B J	170	800	1	07/27/2023 21:07	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 21:07	WG2095316
(S) o-Terphenyl	*72.9*			*50.0-150*		*07/27/2023 21:07*	WG2095316
(S) n-Triacontane d62	*71.0*			*50.0-150*		*07/27/2023 21:07*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	249	B J	170	800	1	07/27/2023 21:07	WG2095318
(S) o-Terphenyl	*72.9*			*50.0-150*		*07/27/2023 21:07*	WG2095318

Sample Narrative:

L1635476-06 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 03:03	WG2096343
(S) Nitrobenzene-d5	*94.0*			*11.0-135*		*07/19/2023 03:03*	WG2096343
(S) 2-Fluorobiphenyl	*103*			*32.0-120*		*07/19/2023 03:03*	WG2096343
(S) p-Terphenyl-d14	*117*			*23.0-122*		*07/19/2023 03:03*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	3.79	J	2.99	6.00	1	07/23/2023 11:41	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 16:09	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*50.0-150*		*07/20/2023 16:09*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 03:42	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 15:37	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 03:42	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 15:37	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 03:42	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 03:42	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 03:42	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 03:42	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 03:42	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 03:42	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 03:42	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 03:42	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 03:42	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 03:42	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 03:42	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 03:42	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 03:42	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 03:42	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 03:42	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 03:42	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 03:42	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 03:42	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 03:42	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 03:42	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 03:42	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 03:42	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 03:42	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 03:42	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 03:42	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 03:42	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 03:42	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 03:42	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 03:42	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 03:42	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 03:42	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 03:42	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 03:42	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 03:42	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 03:42	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 03:42	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 03:42	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 03:42	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 03:42	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 03:42	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 03:42	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 03:42	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 03:42	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 03:42	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 03:42	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 03:42	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 03:42	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 03:42	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 03:42	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 03:42	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 03:42	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 03:42	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 03:42	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 03:42	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 03:42	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 03:42	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 03:42	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 03:42	WG2095623
Trichlorofluoromethane	10.2		0.160	5.00	1	07/16/2023 03:42	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 03:42	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 03:42	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 03:42	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 03:42	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 03:42	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 03:42	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 03:42	WG2095623
(S) Toluene-d8	*104*			*80.0-120*		*07/16/2023 03:42*	WG2095623
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*07/16/2023 03:42*	WG2095623
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*07/16/2023 03:42*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00547	0.0204	1.02	07/19/2023 20:44	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	323	B J	170	800	1	07/27/2023 21:32	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 21:32	WG2095316
(S) o-Terphenyl	*82.8*			*50.0-150*		*07/27/2023 21:32*	WG2095316
(S) n-Triacontane d62	*81.0*			*50.0-150*		*07/27/2023 21:32*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	323	B J	170	800	1	07/27/2023 21:32	WG2095318
(S) o-Terphenyl	*82.8*			*50.0-150*		*07/27/2023 21:32*	WG2095318

Sample Narrative:

L1635476-07 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 03:20	WG2096343
(S) Nitrobenzene-d5	*83.0*			*11.0-135*		*07/19/2023 03:20*	WG2096343
(S) 2-Fluorobiphenyl	*81.0*			*32.0-120*		*07/19/2023 03:20*	WG2096343
(S) p-Terphenyl-d14	*66.5*			*23.0-122*		*07/19/2023 03:20*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:44	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 16:36	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*96.3*			*50.0-150*		*07/20/2023 16:36*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 04:01	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 16:01	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 04:01	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 16:01	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 04:01	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 04:01	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 04:01	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 04:01	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 04:01	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 04:01	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 04:01	WG2095623
n-Butylbenzene	0.312	J	0.157	1.00	1	07/16/2023 04:01	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 04:01	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 04:01	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 04:01	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 04:01	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 04:01	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 04:01	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 04:01	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 04:01	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 04:01	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 04:01	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 04:01	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 04:01	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 04:01	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 04:01	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 04:01	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 04:01	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 04:01	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 04:01	WG2095623
1,2-Dichloroethane	0.221	J	0.0819	1.00	1	07/16/2023 04:01	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 04:01	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 04:01	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 04:01	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 04:01	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 04:01	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 04:01	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 04:01	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 04:01	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 04:01	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 04:01	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 04:01	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 04:01	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 04:01	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 04:01	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 04:01	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 04:01	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 04:01	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 04:01	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 04:01	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 04:01	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 04:01	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 04:01	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 04:01	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 04:01	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 04:01	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 04:01	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 04:01	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 04:01	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 04:01	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 04:01	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 04:01	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 04:01	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 04:01	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 04:01	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 04:01	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 04:01	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 04:01	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 04:01	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 04:01	WG2095623
(S) Toluene-d8	*103*			*80.0-120*		*07/16/2023 04:01*	WG2095623
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*07/16/2023 04:01*	WG2095623
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*07/16/2023 04:01*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00579	0.0216	1.08	07/19/2023 20:57	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	268	B J	170	800	1	07/27/2023 21:57	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 21:57	WG2095316
(S) o-Terphenyl	*78.8*			*50.0-150*		*07/27/2023 21:57*	WG2095316
(S) n-Triacontane d62	*76.0*			*50.0-150*		*07/27/2023 21:57*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	268	B J	170	800	1	07/27/2023 21:57	WG2095318
(S) o-Terphenyl	*78.8*			*50.0-150*		*07/27/2023 21:57*	WG2095318

Sample Narrative:

L1635476-08 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 03:38	WG2096343
(S) Nitrobenzene-d5	*99.5*			*11.0-135*		*07/19/2023 03:38*	WG2096343
(S) 2-Fluorobiphenyl	*106*			*32.0-120*		*07/19/2023 03:38*	WG2096343
(S) p-Terphenyl-d14	*122*			*23.0-122*		*07/19/2023 03:38*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:09	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	87.0	J	28.7	100	1	07/20/2023 17:03	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*50.0-150*		*07/20/2023 17:03*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 04:20	WG2095623
1,2,3-Trichloropropane	U		0.0200	0.0500	10	07/18/2023 13:26	WG2096726
Acrolein	U	C3 J6	2.54	50.0	1	07/16/2023 04:20	WG2095623
1,2-Dibromoethane	U		0.0410	0.0500	10	07/18/2023 13:26	WG2096726
Acrylonitrile	U		0.671	10.0	1	07/16/2023 04:20	WG2095623
Benzene	0.542	J	0.0941	1.00	1	07/16/2023 04:20	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 04:20	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 04:20	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 04:20	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 04:20	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 04:20	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 04:20	WG2095623
sec-Butylbenzene	0.847	J	0.125	1.00	1	07/16/2023 04:20	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 04:20	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 04:20	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 04:20	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 04:20	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 04:20	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 04:20	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 04:20	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 04:20	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 04:20	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 04:20	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 04:20	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 04:20	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 04:20	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 04:20	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 04:20	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 04:20	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 04:20	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 04:20	WG2095623
1,1-Dichloroethene	0.212	J	0.188	1.00	1	07/16/2023 04:20	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 04:20	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 04:20	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 04:20	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 04:20	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 04:20	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 04:20	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 04:20	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 04:20	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 04:20	WG2095623
Ethylbenzene	3.57		0.137	1.00	1	07/16/2023 04:20	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 04:20	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	3.38		0.105	1.00	1	07/16/2023 04:20	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 04:20	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 04:20	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 04:20	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 04:20	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 04:20	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 04:20	WG2095623
n-Propylbenzene	2.28		0.0993	1.00	1	07/16/2023 04:20	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 04:20	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 04:20	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 04:20	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 04:20	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 04:20	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 04:20	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 04:20	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 04:20	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 04:20	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 04:20	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 04:20	WG2095623
Trichlorofluoromethane	2.03	J	0.160	5.00	1	07/16/2023 04:20	WG2095623
1,2,4-Trimethylbenzene	16.7		0.322	1.00	1	07/16/2023 04:20	WG2095623
1,2,3-Trimethylbenzene	0.983	J	0.104	1.00	1	07/16/2023 04:20	WG2095623
1,3,5-Trimethylbenzene	0.865	J	0.104	1.00	1	07/16/2023 04:20	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 04:20	WG2095623
Xylenes, Total	4.52		0.174	3.00	1	07/16/2023 04:20	WG2095623
o-Xylene	0.528	J	0.174	1.00	1	07/16/2023 04:20	WG2095623
m&p-Xylene	3.99		0.430	2.00	1	07/16/2023 04:20	WG2095623
(S) Toluene-d8	*104*			*80.0-120*		*07/16/2023 04:20*	WG2095623
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*07/16/2023 04:20*	WG2095623
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*07/16/2023 04:20*	WG2095623

Sample Narrative:

L1635476-09 WG2096726: Non-target compounds too high to run at a lower dilution.

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00552	0.0206	1.03	07/19/2023 19:36	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	342	B J J6	170	800	1	07/27/2023 22:22	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/27/2023 22:22	WG2095316
(S) o-Terphenyl	*73.4*			*50.0-150*		*07/27/2023 22:22*	WG2095316
(S) n-Triacontane d62	*67.0*			*50.0-150*		*07/27/2023 22:22*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	342	B J J6	170	800	1	07/27/2023 22:22	WG2095318
(S) o-Terphenyl	*73.4*			*50.0-150*		*07/27/2023 22:22*	WG2095318

Sample Narrative:

L1635476-09 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	1.13		0.128	0.500	1	07/19/2023 03:54	WG2096343
(S) Nitrobenzene-d5	*92.0*			*11.0-135*		*07/19/2023 03:54*	WG2096343
(S) 2-Fluorobiphenyl	*94.0*			*32.0-120*		*07/19/2023 03:54*	WG2096343
(S) p-Terphenyl-d14	*107*			*23.0-122*		*07/19/2023 03:54*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:47	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 17:29	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*50.0-150*		*07/20/2023 17:29*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 04:39	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 16:48	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 04:39	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 16:48	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 04:39	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 04:39	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 04:39	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 04:39	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 04:39	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 04:39	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 04:39	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 04:39	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 04:39	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 04:39	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 04:39	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 04:39	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 04:39	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 04:39	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 04:39	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 04:39	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 04:39	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 04:39	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 04:39	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 04:39	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 04:39	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 04:39	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 04:39	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 04:39	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 04:39	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 04:39	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 04:39	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 04:39	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 04:39	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 04:39	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 04:39	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 04:39	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 04:39	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 04:39	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 04:39	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 04:39	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 04:39	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 04:39	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 04:39	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 04:39	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 04:39	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 04:39	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 04:39	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 04:39	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 04:39	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 04:39	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 04:39	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 04:39	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 04:39	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 04:39	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 04:39	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 04:39	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 04:39	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 04:39	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 04:39	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 04:39	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 04:39	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 04:39	WG2095623
Trichlorofluoromethane	1.81	J	0.160	5.00	1	07/16/2023 04:39	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 04:39	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 04:39	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 04:39	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 04:39	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 04:39	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 04:39	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 04:39	WG2095623
(S) Toluene-d8	*105*			*80.0-120*		*07/16/2023 04:39*	WG2095623
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*07/16/2023 04:39*	WG2095623
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*07/16/2023 04:39*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00590	0.0220	1.1	07/19/2023 21:10	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	321	B J	170	800	1	07/28/2023 00:29	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/28/2023 00:29	WG2095316
(S) o-Terphenyl	*65.9*			*50.0-150*		*07/28/2023 00:29*	WG2095316
(S) n-Triacontane d62	*61.0*			*50.0-150*		*07/28/2023 00:29*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	321	B J	170	800	1	07/28/2023 00:29	WG2095318
(S) o-Terphenyl	*65.9*			*50.0-150*		*07/28/2023 00:29*	WG2095318

Sample Narrative:

L1635476-10 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 04:46	WG2096343
(S) Nitrobenzene-d5	*103*			*11.0-135*		*07/19/2023 04:46*	WG2096343
(S) 2-Fluorobiphenyl	*109*			*32.0-120*		*07/19/2023 04:46*	WG2096343
(S) p-Terphenyl-d14	*124*	J1		*23.0-122*		*07/19/2023 04:46*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	3.31	J	2.99	6.00	1	07/23/2023 11:50	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	5690		28.7	100	1	07/20/2023 17:56	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*105*			*50.0-150*		*07/20/2023 17:56*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		113	500	10	07/16/2023 05:55	WG2095623
1,2,3-Trichloropropane	U		0.200	0.500	100	07/17/2023 17:36	WG2096072
Acrolein	U	C3	25.4	500	10	07/16/2023 05:55	WG2095623
1,2-Dibromoethane	0.800		0.410	0.500	100	07/17/2023 17:36	WG2096072
Acrylonitrile	U		6.71	100	10	07/16/2023 05:55	WG2095623
Benzene	605		0.941	10.0	10	07/16/2023 05:55	WG2095623
Bromobenzene	U		1.18	10.0	10	07/16/2023 05:55	WG2095623
Bromochloromethane	U		1.28	10.0	10	07/16/2023 05:55	WG2095623
Bromodichloromethane	U		1.36	10.0	10	07/16/2023 05:55	WG2095623
Bromoform	U		1.29	10.0	10	07/16/2023 05:55	WG2095623
Bromomethane	U		6.05	50.0	10	07/16/2023 05:55	WG2095623
n-Butylbenzene	U		1.57	10.0	10	07/16/2023 05:55	WG2095623
sec-Butylbenzene	7.28	J	1.25	10.0	10	07/16/2023 05:55	WG2095623
tert-Butylbenzene	U	C3 J4	1.27	10.0	10	07/16/2023 05:55	WG2095623
Carbon disulfide	U		0.962	10.0	10	07/16/2023 05:55	WG2095623
Carbon tetrachloride	U		1.28	10.0	10	07/16/2023 05:55	WG2095623
Chlorobenzene	U		1.16	10.0	10	07/16/2023 05:55	WG2095623
Chlorodibromomethane	U		1.40	10.0	10	07/16/2023 05:55	WG2095623
Chloroethane	U		1.92	50.0	10	07/16/2023 05:55	WG2095623
Chloroform	U		1.11	50.0	10	07/16/2023 05:55	WG2095623
Chloromethane	U		9.60	25.0	10	07/16/2023 05:55	WG2095623
2-Chlorotoluene	U		1.06	10.0	10	07/16/2023 05:55	WG2095623
4-Chlorotoluene	U		1.14	10.0	10	07/16/2023 05:55	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	2.76	50.0	10	07/16/2023 05:55	WG2095623
Dibromomethane	U		1.22	10.0	10	07/16/2023 05:55	WG2095623
1,2-Dichlorobenzene	U		1.07	10.0	10	07/16/2023 05:55	WG2095623
1,3-Dichlorobenzene	U		1.10	10.0	10	07/16/2023 05:55	WG2095623
1,4-Dichlorobenzene	U		1.20	10.0	10	07/16/2023 05:55	WG2095623
Dichlorodifluoromethane	U		3.74	50.0	10	07/16/2023 05:55	WG2095623
1,1-Dichloroethane	U		1.00	10.0	10	07/16/2023 05:55	WG2095623
1,2-Dichloroethane	U		0.819	10.0	10	07/16/2023 05:55	WG2095623
1,1-Dichloroethene	U		1.88	10.0	10	07/16/2023 05:55	WG2095623
cis-1,2-Dichloroethene	U		1.26	10.0	10	07/16/2023 05:55	WG2095623
trans-1,2-Dichloroethene	U		1.49	10.0	10	07/16/2023 05:55	WG2095623
1,2-Dichloropropane	U		1.49	10.0	10	07/16/2023 05:55	WG2095623
1,1-Dichloropropene	U		1.42	10.0	10	07/16/2023 05:55	WG2095623
1,3-Dichloropropane	U		1.10	10.0	10	07/16/2023 05:55	WG2095623
cis-1,3-Dichloropropene	U		1.11	10.0	10	07/16/2023 05:55	WG2095623
trans-1,3-Dichloropropene	U		1.18	10.0	10	07/16/2023 05:55	WG2095623
2,2-Dichloropropane	U		1.61	10.0	10	07/16/2023 05:55	WG2095623
Di-isopropyl ether	U		1.05	10.0	10	07/16/2023 05:55	WG2095623
Ethylbenzene	317		1.37	10.0	10	07/16/2023 05:55	WG2095623
Hexachloro-1,3-butadiene	U		3.37	10.0	10	07/16/2023 05:55	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	34.6		1.05	10.0	10	07/16/2023 05:55	WG2095623
p-Isopropyltoluene	U	C3	1.20	10.0	10	07/16/2023 05:55	WG2095623
2-Butanone (MEK)	43.2	J	11.9	100	10	07/16/2023 05:55	WG2095623
Methylene Chloride	U		4.30	50.0	10	07/16/2023 05:55	WG2095623
4-Methyl-2-pentanone (MIBK)	U		4.78	100	10	07/16/2023 05:55	WG2095623
Methyl tert-butyl ether	U		1.01	10.0	10	07/16/2023 05:55	WG2095623
Naphthalene	12.5	C3 J	10.0	50.0	10	07/16/2023 05:55	WG2095623
n-Propylbenzene	63.1		0.993	10.0	10	07/16/2023 05:55	WG2095623
Styrene	U		1.18	10.0	10	07/16/2023 05:55	WG2095623
1,1,1,2-Tetrachloroethane	U		1.47	10.0	10	07/16/2023 05:55	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	1.33	10.0	10	07/16/2023 05:55	WG2095623
1,1,2-Trichlorotrifluoroethane	U		1.80	10.0	10	07/16/2023 05:55	WG2095623
Tetrachloroethene	U		3.00	10.0	10	07/16/2023 05:55	WG2095623
Toluene	10.6		2.78	10.0	10	07/16/2023 05:55	WG2095623
1,2,3-Trichlorobenzene	U	C3	2.30	10.0	10	07/16/2023 05:55	WG2095623
1,2,4-Trichlorobenzene	U		4.81	10.0	10	07/16/2023 05:55	WG2095623
1,1,1-Trichloroethane	U		1.49	10.0	10	07/16/2023 05:55	WG2095623
1,1,2-Trichloroethane	U		1.58	10.0	10	07/16/2023 05:55	WG2095623
Trichloroethene	U		1.90	10.0	10	07/16/2023 05:55	WG2095623
Trichlorofluoromethane	U		1.60	50.0	10	07/16/2023 05:55	WG2095623
1,2,4-Trimethylbenzene	329		3.22	10.0	10	07/16/2023 05:55	WG2095623
1,2,3-Trimethylbenzene	U		1.04	10.0	10	07/16/2023 05:55	WG2095623
1,3,5-Trimethylbenzene	U		1.04	10.0	10	07/16/2023 05:55	WG2095623
Vinyl chloride	U		2.34	10.0	10	07/16/2023 05:55	WG2095623
Xylenes, Total	920		1.74	30.0	10	07/16/2023 05:55	WG2095623
o-Xylene	276		1.74	10.0	10	07/16/2023 05:55	WG2095623
m&p-Xylene	644		4.30	20.0	10	07/16/2023 05:55	WG2095623
(S) Toluene-d8	*106*			*80.0-120*		*07/16/2023 05:55*	WG2095623
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*07/16/2023 05:55*	WG2095623
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*07/16/2023 05:55*	WG2095623

Sample Narrative:

L1635476-11 WG2096072: Non-target compounds too high to run at a lower dilution.

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.496		0.00547	0.0204	1.02	07/19/2023 21:23	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	1310	B	170	800	1	07/28/2023 02:35	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/28/2023 02:35	WG2095316
(S) o-Terphenyl	*75.5*			*50.0-150*		*07/28/2023 02:35*	WG2095316
(S) n-Triacontane d62	*69.5*			*50.0-150*		*07/28/2023 02:35*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	922	B J4	170	800	1	07/28/2023 07:23	WG2095318
(S) o-Terphenyl	*65.5*			*50.0-150*		*07/28/2023 07:23*	WG2095318

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	21.4		0.128	0.500	1	07/19/2023 05:04	WG2096343
(S) Nitrobenzene-d5	*101*			*11.0-135*		*07/19/2023 05:04*	WG2096343
(S) 2-Fluorobiphenyl	*93.5*			*32.0-120*		*07/19/2023 05:04*	WG2096343
(S) p-Terphenyl-d14	*103*			*23.0-122*		*07/19/2023 05:04*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:52	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	4410		287	1000	10	07/20/2023 19:15	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*50.0-150*		*07/20/2023 19:15*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1130	5000	100	07/16/2023 06:14	WG2095623
1,2,3-Trichloropropane	U		0.200	0.500	100	07/18/2023 13:51	WG2096726
Acrolein	U	C3	254	5000	100	07/16/2023 06:14	WG2095623
1,2-Dibromoethane	U		0.410	0.500	100	07/18/2023 13:51	WG2096726
Acrylonitrile	U		67.1	1000	100	07/16/2023 06:14	WG2095623
Benzene	18.2	J	9.41	100	100	07/16/2023 06:14	WG2095623
Bromobenzene	U		11.8	100	100	07/16/2023 06:14	WG2095623
Bromochloromethane	U		12.8	100	100	07/16/2023 06:14	WG2095623
Bromodichloromethane	U		13.6	100	100	07/16/2023 06:14	WG2095623
Bromoform	U		12.9	100	100	07/16/2023 06:14	WG2095623
Bromomethane	U		60.5	500	100	07/16/2023 06:14	WG2095623
n-Butylbenzene	U		15.7	100	100	07/16/2023 06:14	WG2095623
sec-Butylbenzene	U		12.5	100	100	07/16/2023 06:14	WG2095623
tert-Butylbenzene	U	C3 J4	12.7	100	100	07/16/2023 06:14	WG2095623
Carbon disulfide	U		9.62	100	100	07/16/2023 06:14	WG2095623
Carbon tetrachloride	U		12.8	100	100	07/16/2023 06:14	WG2095623
Chlorobenzene	U		11.6	100	100	07/16/2023 06:14	WG2095623
Chlorodibromomethane	U		14.0	100	100	07/16/2023 06:14	WG2095623
Chloroethane	U		19.2	500	100	07/16/2023 06:14	WG2095623
Chloroform	U		11.1	500	100	07/16/2023 06:14	WG2095623
Chloromethane	U		96.0	250	100	07/16/2023 06:14	WG2095623
2-Chlorotoluene	U		10.6	100	100	07/16/2023 06:14	WG2095623
4-Chlorotoluene	U		11.4	100	100	07/16/2023 06:14	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	27.6	500	100	07/16/2023 06:14	WG2095623
Dibromomethane	U		12.2	100	100	07/16/2023 06:14	WG2095623
1,2-Dichlorobenzene	U		10.7	100	100	07/16/2023 06:14	WG2095623
1,3-Dichlorobenzene	U		11.0	100	100	07/16/2023 06:14	WG2095623
1,4-Dichlorobenzene	U		12.0	100	100	07/16/2023 06:14	WG2095623
Dichlorodifluoromethane	U		37.4	500	100	07/16/2023 06:14	WG2095623
1,1-Dichloroethane	U		10.0	100	100	07/16/2023 06:14	WG2095623
1,2-Dichloroethane	U		8.19	100	100	07/16/2023 06:14	WG2095623
1,1-Dichloroethene	U		18.8	100	100	07/16/2023 06:14	WG2095623
cis-1,2-Dichloroethene	U		12.6	100	100	07/16/2023 06:14	WG2095623
trans-1,2-Dichloroethene	U		14.9	100	100	07/16/2023 06:14	WG2095623
1,2-Dichloropropane	U		14.9	100	100	07/16/2023 06:14	WG2095623
1,1-Dichloropropene	U		14.2	100	100	07/16/2023 06:14	WG2095623
1,3-Dichloropropane	U		11.0	100	100	07/16/2023 06:14	WG2095623
cis-1,3-Dichloropropene	U		11.1	100	100	07/16/2023 06:14	WG2095623
trans-1,3-Dichloropropene	U		11.8	100	100	07/16/2023 06:14	WG2095623
2,2-Dichloropropane	U		16.1	100	100	07/16/2023 06:14	WG2095623
Di-isopropyl ether	U		10.5	100	100	07/16/2023 06:14	WG2095623
Ethylbenzene	88.4	J	13.7	100	100	07/16/2023 06:14	WG2095623
Hexachloro-1,3-butadiene	U		33.7	100	100	07/16/2023 06:14	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isopropylbenzene	U		10.5	100	100	07/16/2023 06:14	WG2095623
p-Isopropyltoluene	U	C3	12.0	100	100	07/16/2023 06:14	WG2095623
2-Butanone (MEK)	U		119	1000	100	07/16/2023 06:14	WG2095623
Methylene Chloride	U		43.0	500	100	07/16/2023 06:14	WG2095623
4-Methyl-2-pentanone (MIBK)	U		47.8	1000	100	07/16/2023 06:14	WG2095623
Methyl tert-butyl ether	U		10.1	100	100	07/16/2023 06:14	WG2095623
Naphthalene	U	C3	100	500	100	07/16/2023 06:14	WG2095623
n-Propylbenzene	81.5	J	9.93	100	100	07/16/2023 06:14	WG2095623
Styrene	U		11.8	100	100	07/16/2023 06:14	WG2095623
1,1,1,2-Tetrachloroethane	U		14.7	100	100	07/16/2023 06:14	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	13.3	100	100	07/16/2023 06:14	WG2095623
1,1,2-Trichlorotrifluoroethane	U		18.0	100	100	07/16/2023 06:14	WG2095623
Tetrachloroethene	U		30.0	100	100	07/16/2023 06:14	WG2095623
Toluene	U		27.8	100	100	07/16/2023 06:14	WG2095623
1,2,3-Trichlorobenzene	U	C3	23.0	100	100	07/16/2023 06:14	WG2095623
1,2,4-Trichlorobenzene	U		48.1	100	100	07/16/2023 06:14	WG2095623
1,1,1-Trichloroethane	U		14.9	100	100	07/16/2023 06:14	WG2095623
1,1,2-Trichloroethane	U		15.8	100	100	07/16/2023 06:14	WG2095623
Trichloroethene	U		19.0	100	100	07/16/2023 06:14	WG2095623
Trichlorofluoromethane	U		16.0	500	100	07/16/2023 06:14	WG2095623
1,2,4-Trimethylbenzene	455		32.2	100	100	07/16/2023 06:14	WG2095623
1,2,3-Trimethylbenzene	88.9	J	10.4	100	100	07/16/2023 06:14	WG2095623
1,3,5-Trimethylbenzene	U		10.4	100	100	07/16/2023 06:14	WG2095623
Vinyl chloride	U		23.4	100	100	07/16/2023 06:14	WG2095623
Xylenes, Total	736		17.4	300	100	07/16/2023 06:14	WG2095623
o-Xylene	220		17.4	100	100	07/16/2023 06:14	WG2095623
m&p-Xylene	516		43.0	200	100	07/16/2023 06:14	WG2095623
(S) Toluene-d8	*103*			*80.0-120*		*07/16/2023 06:14*	WG2095623
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*07/16/2023 06:14*	WG2095623
(S) 1,2-Dichloroethane-d4	*97.4*			*70.0-130*		*07/16/2023 06:14*	WG2095623

Sample Narrative:

L1635476-12 WG2096726: Non-target compounds too high to run at a lower dilution.

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.0157	J	0.00536	0.0200	1	07/19/2023 21:35	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	1470	B	170	800	1	07/28/2023 03:00	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/28/2023 03:00	WG2095316
(S) o-Terphenyl	*75.2*			*50.0-150*		*07/28/2023 03:00*	WG2095316
(S) n-Triacontane d62	*65.5*			*50.0-150*		*07/28/2023 03:00*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	1190	B J4	170	800	1	07/28/2023 07:49	WG2095318
(S) o-Terphenyl	*60.4*			*50.0-150*		*07/28/2023 07:49*	WG2095318

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	23.5		0.128	0.500	1	07/19/2023 05:21	WG2096343
(S) Nitrobenzene-d5	*97.5*			*11.0-135*		*07/19/2023 05:21*	WG2096343
(S) 2-Fluorobiphenyl	*103*			*32.0-120*		*07/19/2023 05:21*	WG2096343
(S) p-Terphenyl-d14	*124*	J1		*23.0-122*		*07/19/2023 05:21*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	4.18	J	2.99	6.00	1	07/23/2023 11:55	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	5800		28.7	100	1	07/20/2023 18:22	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*102*			*50.0-150*		*07/20/2023 18:22*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 04:58	WG2095623
1,2,3-Trichloropropane	U		0.200	0.500	100	07/18/2023 14:15	WG2096726
Acrolein	U	C3	2.54	50.0	1	07/16/2023 04:58	WG2095623
1,2-Dibromoethane	0.800		0.410	0.500	100	07/18/2023 14:15	WG2096726
Acrylonitrile	U		0.671	10.0	1	07/16/2023 04:58	WG2095623
Benzene	669		4.71	50.0	50	07/20/2023 01:14	WG2097949
Bromobenzene	U		0.118	1.00	1	07/16/2023 04:58	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 04:58	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 04:58	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 04:58	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 04:58	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 04:58	WG2095623
sec-Butylbenzene	7.77		0.125	1.00	1	07/16/2023 04:58	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 04:58	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 04:58	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 04:58	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 04:58	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 04:58	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 04:58	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 04:58	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 04:58	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 04:58	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 04:58	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 04:58	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 04:58	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 04:58	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 04:58	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 04:58	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 04:58	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 04:58	WG2095623
1,2-Dichloroethane	1.35		0.0819	1.00	1	07/16/2023 04:58	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 04:58	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 04:58	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 04:58	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 04:58	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 04:58	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 04:58	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 04:58	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 04:58	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 04:58	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 04:58	WG2095623
Ethylbenzene	331		6.85	50.0	50	07/20/2023 01:14	WG2097949
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 04:58	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	40.1		0.105	1.00	1	07/16/2023 04:58	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 04:58	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 04:58	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 04:58	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 04:58	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 04:58	WG2095623
Naphthalene	15.7	C3	1.00	5.00	1	07/16/2023 04:58	WG2095623
n-Propylbenzene	72.6		0.0993	1.00	1	07/16/2023 04:58	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 04:58	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 04:58	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 04:58	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 04:58	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 04:58	WG2095623
Toluene	10.6		0.278	1.00	1	07/16/2023 04:58	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 04:58	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 04:58	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 04:58	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 04:58	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 04:58	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 04:58	WG2095623
1,2,4-Trimethylbenzene	407		16.1	50.0	50	07/20/2023 01:14	WG2097949
1,2,3-Trimethylbenzene	58.9		0.104	1.00	1	07/16/2023 04:58	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 04:58	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 04:58	WG2095623
Xylenes, Total	990		8.70	150	50	07/20/2023 01:14	WG2097949
o-Xylene	285		8.70	50.0	50	07/20/2023 01:14	WG2097949
m&p-Xylene	705		21.5	100	50	07/20/2023 01:14	WG2097949
(S) Toluene-d8	*105*			*80.0-120*		*07/16/2023 04:58*	WG2095623
(S) Toluene-d8	*98.8*			*80.0-120*		*07/20/2023 01:14*	WG2097949
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*07/16/2023 04:58*	WG2095623
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*07/20/2023 01:14*	WG2097949
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*07/16/2023 04:58*	WG2095623
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*07/20/2023 01:14*	WG2097949

Sample Narrative:

L1635476-13 WG2096726: Non-target compounds too high to run at a lower dilution.

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.494		0.00563	0.0210	1.05	07/19/2023 21:48	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	1270	B	170	800	1	07/28/2023 03:25	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/28/2023 03:25	WG2095316
(S) o-Terphenyl	*72.4*			*50.0-150*		*07/28/2023 03:25*	WG2095316
(S) n-Triacontane d62	*61.5*			*50.0-150*		*07/28/2023 03:25*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	924	B J4	170	800	1	07/28/2023 08:15	WG2095318
(S) o-Terphenyl	*55.7*			*50.0-150*		*07/28/2023 08:15*	WG2095318

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	18.1		0.128	0.500	1	07/19/2023 05:38	WG2096343
(S) Nitrobenzene-d5	*84.5*			*11.0-135*		*07/19/2023 05:38*	WG2096343
(S) 2-Fluorobiphenyl	*87.0*			*32.0-120*		*07/19/2023 05:38*	WG2096343
(S) p-Terphenyl-d14	*98.5*			*23.0-122*		*07/19/2023 05:38*	WG2096343

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	07/23/2023 11:58	WG2096552

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 18:49	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*97.1*			*50.0-150*		*07/20/2023 18:49*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 01:29	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 17:12	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 01:29	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 17:12	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 01:29	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 01:29	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 01:29	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 01:29	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 01:29	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 01:29	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 01:29	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 01:29	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 01:29	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 01:29	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 01:29	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 01:29	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 01:29	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 01:29	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 01:29	WG2095623
Chloroform	1.29	J	0.111	5.00	1	07/16/2023 01:29	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 01:29	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 01:29	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 01:29	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 01:29	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 01:29	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 01:29	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 01:29	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 01:29	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 01:29	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 01:29	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 01:29	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 01:29	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 01:29	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 01:29	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 01:29	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 01:29	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 01:29	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 01:29	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 01:29	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 01:29	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 01:29	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 01:29	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 01:29	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 01:29	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 01:29	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 01:29	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 01:29	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 01:29	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 01:29	WG2095623
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 01:29	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 01:29	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 01:29	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 01:29	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 01:29	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 01:29	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 01:29	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 01:29	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 01:29	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 01:29	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 01:29	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 01:29	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 01:29	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 01:29	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 01:29	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 01:29	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 01:29	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 01:29	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 01:29	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 01:29	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 01:29	WG2095623
(S) Toluene-d8	*103*			*80.0-120*		*07/16/2023 01:29*	WG2095623
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*07/16/2023 01:29*	WG2095623
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*07/16/2023 01:29*	WG2095623

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00547	0.0204	1.02	07/19/2023 22:39	WG2097471

Semi-Volatile Organic Compounds (GC) by Method AK102/103

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	251	B J	170	800	1	07/28/2023 03:50	WG2095316
AK103 RRO C25-C36	U		460	800	1	07/28/2023 03:50	WG2095316
(S) o-Terphenyl	*80.3*			*50.0-150*		*07/28/2023 03:50*	WG2095316
(S) n-Triacontane d62	*75.5*			*50.0-150*		*07/28/2023 03:50*	WG2095316

Semi-Volatile Organic Compounds (GC) by Method AK102SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	251	B J	170	800	1	07/28/2023 03:50	WG2095318
(S) o-Terphenyl	*80.3*			*50.0-150*		*07/28/2023 03:50*	WG2095318

Sample Narrative:

L1635476-14 WG2095318: Reporting from non-silica gel data due to non-detect to the RDL.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	07/19/2023 05:56	WG2096343
(S) Nitrobenzene-d5	*87.5*			*11.0-135*		*07/19/2023 05:56*	WG2096343
(S) 2-Fluorobiphenyl	*90.0*			*32.0-120*		*07/19/2023 05:56*	WG2096343
(S) p-Terphenyl-d14	*108*			*23.0-122*		*07/19/2023 05:56*	WG2096343

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 13:52	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*100*			*50.0-150*		*07/20/2023 13:52*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 00:13	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 11:35	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 00:13	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 11:35	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 00:13	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 00:13	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 00:13	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 00:13	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 00:13	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 00:13	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 00:13	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 00:13	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 00:13	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 00:13	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 00:13	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 00:13	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 00:13	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 00:13	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 00:13	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 00:13	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 00:13	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 00:13	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 00:13	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 00:13	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 00:13	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 00:13	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 00:13	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 00:13	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 00:13	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 00:13	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 00:13	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 00:13	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 00:13	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 00:13	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 00:13	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 00:13	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 00:13	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 00:13	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 00:13	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 00:13	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 00:13	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 00:13	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 00:13	WG2095623
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 00:13	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 00:13	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 00:13	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 00:13	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 00:13	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 00:13	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 00:13	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 00:13	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 00:13	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 00:13	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 00:13	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 00:13	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 00:13	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 00:13	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 00:13	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 00:13	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 00:13	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 00:13	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 00:13	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 00:13	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 00:13	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 00:13	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 00:13	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 00:13	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 00:13	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 00:13	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 00:13	WG2095623
(S) Toluene-d8	*106*			*80.0-120*		*07/16/2023 00:13*	WG2095623
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*07/16/2023 00:13*	WG2095623
(S) 1,2-Dichloroethane-d4	*92.0*			*70.0-130*		*07/16/2023 00:13*	WG2095623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 14:19	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*50.0-150*		*07/20/2023 14:19*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 00:32	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 11:59	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 00:32	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 11:59	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 00:32	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 00:32	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 00:32	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 00:32	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 00:32	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 00:32	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 00:32	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 00:32	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 00:32	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 00:32	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 00:32	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 00:32	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 00:32	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 00:32	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 00:32	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 00:32	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 00:32	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 00:32	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 00:32	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 00:32	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 00:32	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 00:32	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 00:32	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 00:32	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 00:32	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 00:32	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 00:32	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 00:32	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 00:32	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 00:32	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 00:32	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 00:32	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 00:32	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 00:32	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 00:32	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 00:32	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 00:32	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 00:32	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 00:32	WG2095623
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 00:32	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 00:32	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 00:32	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 00:32	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 00:32	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 00:32	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 00:32	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 00:32	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 00:32	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 00:32	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 00:32	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 00:32	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 00:32	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 00:32	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 00:32	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 00:32	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 00:32	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 00:32	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 00:32	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 00:32	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 00:32	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 00:32	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 00:32	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 00:32	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 00:32	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 00:32	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 00:32	WG2095623
(S) Toluene-d8	*104*			*80.0-120*		*07/16/2023 00:32*	WG2095623
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*07/16/2023 00:32*	WG2095623
(S) 1,2-Dichloroethane-d4	*96.7*			*70.0-130*		*07/16/2023 00:32*	WG2095623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 14:49	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*93.5*			*50.0-150*		*07/20/2023 14:49*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 00:51	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 12:23	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 00:51	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 12:23	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 00:51	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 00:51	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 00:51	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 00:51	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 00:51	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 00:51	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 00:51	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 00:51	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 00:51	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 00:51	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 00:51	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 00:51	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 00:51	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 00:51	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 00:51	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 00:51	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 00:51	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 00:51	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 00:51	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 00:51	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 00:51	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 00:51	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 00:51	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 00:51	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 00:51	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 00:51	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 00:51	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 00:51	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 00:51	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 00:51	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 00:51	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 00:51	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 00:51	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 00:51	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 00:51	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 00:51	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 00:51	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 00:51	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 00:51	WG2095623
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 00:51	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 00:51	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 00:51	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 00:51	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 00:51	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 00:51	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 00:51	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 00:51	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 00:51	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 00:51	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 00:51	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 00:51	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 00:51	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 00:51	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 00:51	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 00:51	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 00:51	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 00:51	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 00:51	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 00:51	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 00:51	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 00:51	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 00:51	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 00:51	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 00:51	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 00:51	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 00:51	WG2095623
(S) Toluene-d8	*104*			*80.0-120*		*07/16/2023 00:51*	WG2095623
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*07/16/2023 00:51*	WG2095623
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*07/16/2023 00:51*	WG2095623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	07/20/2023 15:16	WG2098363
(S) a,a,a-Trifluorotoluene(FID)	*95.6*			*50.0-150*		*07/20/2023 15:16*	WG2098363

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	07/16/2023 01:10	WG2095623
1,2,3-Trichloropropane	U		0.00200	0.00500	1	07/17/2023 12:47	WG2096072
Acrolein	U	C3	2.54	50.0	1	07/16/2023 01:10	WG2095623
1,2-Dibromoethane	U		0.00410	0.00500	1	07/17/2023 12:47	WG2096072
Acrylonitrile	U		0.671	10.0	1	07/16/2023 01:10	WG2095623
Benzene	U		0.0941	1.00	1	07/16/2023 01:10	WG2095623
Bromobenzene	U		0.118	1.00	1	07/16/2023 01:10	WG2095623
Bromochloromethane	U		0.128	1.00	1	07/16/2023 01:10	WG2095623
Bromodichloromethane	U		0.136	1.00	1	07/16/2023 01:10	WG2095623
Bromoform	U		0.129	1.00	1	07/16/2023 01:10	WG2095623
Bromomethane	U		0.605	5.00	1	07/16/2023 01:10	WG2095623
n-Butylbenzene	U		0.157	1.00	1	07/16/2023 01:10	WG2095623
sec-Butylbenzene	U		0.125	1.00	1	07/16/2023 01:10	WG2095623
tert-Butylbenzene	U	C3 J4	0.127	1.00	1	07/16/2023 01:10	WG2095623
Carbon disulfide	U		0.0962	1.00	1	07/16/2023 01:10	WG2095623
Carbon tetrachloride	U		0.128	1.00	1	07/16/2023 01:10	WG2095623
Chlorobenzene	U		0.116	1.00	1	07/16/2023 01:10	WG2095623
Chlorodibromomethane	U		0.140	1.00	1	07/16/2023 01:10	WG2095623
Chloroethane	U		0.192	5.00	1	07/16/2023 01:10	WG2095623
Chloroform	U		0.111	5.00	1	07/16/2023 01:10	WG2095623
Chloromethane	U		0.960	2.50	1	07/16/2023 01:10	WG2095623
2-Chlorotoluene	U		0.106	1.00	1	07/16/2023 01:10	WG2095623
4-Chlorotoluene	U		0.114	1.00	1	07/16/2023 01:10	WG2095623
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	07/16/2023 01:10	WG2095623
Dibromomethane	U		0.122	1.00	1	07/16/2023 01:10	WG2095623
1,2-Dichlorobenzene	U		0.107	1.00	1	07/16/2023 01:10	WG2095623
1,3-Dichlorobenzene	U		0.110	1.00	1	07/16/2023 01:10	WG2095623
1,4-Dichlorobenzene	U		0.120	1.00	1	07/16/2023 01:10	WG2095623
Dichlorodifluoromethane	U		0.374	5.00	1	07/16/2023 01:10	WG2095623
1,1-Dichloroethane	U		0.100	1.00	1	07/16/2023 01:10	WG2095623
1,2-Dichloroethane	U		0.0819	1.00	1	07/16/2023 01:10	WG2095623
1,1-Dichloroethene	U		0.188	1.00	1	07/16/2023 01:10	WG2095623
cis-1,2-Dichloroethene	U		0.126	1.00	1	07/16/2023 01:10	WG2095623
trans-1,2-Dichloroethene	U		0.149	1.00	1	07/16/2023 01:10	WG2095623
1,2-Dichloropropane	U		0.149	1.00	1	07/16/2023 01:10	WG2095623
1,1-Dichloropropene	U		0.142	1.00	1	07/16/2023 01:10	WG2095623
1,3-Dichloropropane	U		0.110	1.00	1	07/16/2023 01:10	WG2095623
cis-1,3-Dichloropropene	U		0.111	1.00	1	07/16/2023 01:10	WG2095623
trans-1,3-Dichloropropene	U		0.118	1.00	1	07/16/2023 01:10	WG2095623
2,2-Dichloropropane	U		0.161	1.00	1	07/16/2023 01:10	WG2095623
Di-isopropyl ether	U		0.105	1.00	1	07/16/2023 01:10	WG2095623
Ethylbenzene	U		0.137	1.00	1	07/16/2023 01:10	WG2095623
Hexachloro-1,3-butadiene	U		0.337	1.00	1	07/16/2023 01:10	WG2095623
Isopropylbenzene	U		0.105	1.00	1	07/16/2023 01:10	WG2095623
p-Isopropyltoluene	U	C3	0.120	1.00	1	07/16/2023 01:10	WG2095623
2-Butanone (MEK)	U		1.19	10.0	1	07/16/2023 01:10	WG2095623
Methylene Chloride	U		0.430	5.00	1	07/16/2023 01:10	WG2095623
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	07/16/2023 01:10	WG2095623
Methyl tert-butyl ether	U		0.101	1.00	1	07/16/2023 01:10	WG2095623

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U	C3	1.00	5.00	1	07/16/2023 01:10	WG2095623
n-Propylbenzene	U		0.0993	1.00	1	07/16/2023 01:10	WG2095623
Styrene	U		0.118	1.00	1	07/16/2023 01:10	WG2095623
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	07/16/2023 01:10	WG2095623
1,1,2,2-Tetrachloroethane	U	C3	0.133	1.00	1	07/16/2023 01:10	WG2095623
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	07/16/2023 01:10	WG2095623
Tetrachloroethene	U		0.300	1.00	1	07/16/2023 01:10	WG2095623
Toluene	U		0.278	1.00	1	07/16/2023 01:10	WG2095623
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	07/16/2023 01:10	WG2095623
1,2,4-Trichlorobenzene	U		0.481	1.00	1	07/16/2023 01:10	WG2095623
1,1,1-Trichloroethane	U		0.149	1.00	1	07/16/2023 01:10	WG2095623
1,1,2-Trichloroethane	U		0.158	1.00	1	07/16/2023 01:10	WG2095623
Trichloroethene	U		0.190	1.00	1	07/16/2023 01:10	WG2095623
Trichlorofluoromethane	U		0.160	5.00	1	07/16/2023 01:10	WG2095623
1,2,4-Trimethylbenzene	U		0.322	1.00	1	07/16/2023 01:10	WG2095623
1,2,3-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 01:10	WG2095623
1,3,5-Trimethylbenzene	U		0.104	1.00	1	07/16/2023 01:10	WG2095623
Vinyl chloride	U		0.234	1.00	1	07/16/2023 01:10	WG2095623
Xylenes, Total	U		0.174	3.00	1	07/16/2023 01:10	WG2095623
o-Xylene	U		0.174	1.00	1	07/16/2023 01:10	WG2095623
m&p-Xylene	U		0.430	2.00	1	07/16/2023 01:10	WG2095623
(S) Toluene-d8	*103*			*80.0-120*		*07/16/2023 01:10*	WG2095623
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*07/16/2023 01:10*	WG2095623
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*07/16/2023 01:10*	WG2095623

Method Blank (MB)

(MB) R3951810-1 07/23/23 11:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		2.99	6.00

Laboratory Control Sample (LCS)

(LCS) R3951810-2 07/23/23 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	981	98.1	80.0-120	

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/23/23 11:09 • (MS) R3951810-4 07/23/23 11:14 • (MSD) R3951810-5 07/23/23 11:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	1000	U	978	977	97.8	97.7	1	75.0-125			0.0450	20

Method Blank (MB)

(MB) R3949828-3 07/15/23 09:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	U		28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*81.8*			*60.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3949828-1 07/15/23 07:57 • (LCSD) R3949828-2 07/15/23 08:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	4950	4940	99.0	98.8	60.0-120			0.202	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*104*	*60.0-120*				

Method Blank (MB)

(MB) R3950255-3 07/19/23 02:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	50.6	J	28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*94.2*			*60.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3950255-1 07/19/23 01:42 • (LCSD) R3950255-2 07/19/23 02:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	5040	4730	101	94.6	60.0-120			6.35	20
(S) a,a,a-Trifluorotoluene(FID)				*104*	*97.9*	*60.0-120*				

Method Blank (MB)

(MB) R3951876-3 07/20/23 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	U		28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*94.8*			*60.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3951876-1 07/20/23 09:14 • (LCSD) R3951876-2 07/20/23 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	5120	5680	102	114	60.0-120			10.4	20
(S) a,a,a-Trifluorotoluene(FID)				*111*	*115*	*60.0-120*				

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/20/23 17:03 • (MS) R3951876-4 07/20/23 19:42 • (MSD) R3951876-5 07/20/23 20:31

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	87.0	5190	5500	102	108	1	70.0-130			5.80	20
(S) a,a,a-Trifluorotoluene(FID)					*111*	*109*		*50.0-150*				

Method Blank (MB)

(MB) R3950376-3 07/15/23 21:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromochloromethane	U		0.128	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

Method Blank (MB)

(MB) R3950376-3 07/15/23 21:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,2,3-Trimethylbenzene	U		0.104	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylene	U		0.430	2.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3950376-1 07/15/23 19:50 • (LCSD) R3950376-2 07/15/23 20:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	26.0	31.9	104	128	19.0-160			20.4	27
Acrolein	25.0	2.95	3.34	11.8	13.4	10.0-160			12.4	26

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3950376-1 07/15/23 19:50 • (LCSD) R3950376-2 07/15/23 20:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acrylonitrile	25.0	26.0	27.6	104	110	55.0-149			5.97	20
Benzene	5.00	4.92	4.72	98.4	94.4	70.0-123			4.15	20
Bromobenzene	5.00	4.41	4.32	88.2	86.4	73.0-121			2.06	20
Bromochloromethane	5.00	4.65	4.64	93.0	92.8	76.0-122			0.215	20
Bromodichloromethane	5.00	4.77	4.59	95.4	91.8	75.0-120			3.85	20
Bromoform	5.00	4.17	3.95	83.4	79.0	68.0-132			5.42	20
Bromomethane	5.00	4.99	4.95	99.8	99.0	10.0-160			0.805	25
n-Butylbenzene	5.00	4.09	3.72	81.8	74.4	73.0-125			9.48	20
sec-Butylbenzene	5.00	4.11	4.01	82.2	80.2	75.0-125			2.46	20
tert-Butylbenzene	5.00	3.63	3.92	72.6	78.4	76.0-124	J4		7.68	20
Carbon disulfide	5.00	4.40	4.16	88.0	83.2	61.0-128			5.61	20
Carbon tetrachloride	5.00	4.66	4.59	93.2	91.8	68.0-126			1.51	20
Chlorobenzene	5.00	5.10	4.73	102	94.6	80.0-121			7.53	20
Chlorodibromomethane	5.00	4.40	4.25	88.0	85.0	77.0-125			3.47	20
Chloroethane	5.00	5.20	4.80	104	96.0	47.0-150			8.00	20
Chloroform	5.00	4.63	4.49	92.6	89.8	73.0-120			3.07	20
Chloromethane	5.00	5.63	5.63	113	113	41.0-142			0.000	20
2-Chlorotoluene	5.00	4.20	4.05	84.0	81.0	76.0-123			3.64	20
4-Chlorotoluene	5.00	4.17	4.09	83.4	81.8	75.0-122			1.94	20
1,2-Dibromo-3-Chloropropane	5.00	3.27	3.31	65.4	66.2	58.0-134			1.22	20
Dibromomethane	5.00	5.05	5.09	101	102	80.0-120			0.789	20
1,2-Dichlorobenzene	5.00	4.53	4.47	90.6	89.4	79.0-121			1.33	20
1,3-Dichlorobenzene	5.00	4.29	4.18	85.8	83.6	79.0-120			2.60	20
1,4-Dichlorobenzene	5.00	4.63	4.36	92.6	87.2	79.0-120			6.01	20
Dichlorodifluoromethane	5.00	4.17	4.02	83.4	80.4	51.0-149			3.66	20
1,1-Dichloroethane	5.00	4.89	4.86	97.8	97.2	70.0-126			0.615	20
1,2-Dichloroethane	5.00	4.64	4.52	92.8	90.4	70.0-128			2.62	20
1,1-Dichloroethene	5.00	4.66	4.51	93.2	90.2	71.0-124			3.27	20
cis-1,2-Dichloroethene	5.00	4.81	4.82	96.2	96.4	73.0-120			0.208	20
trans-1,2-Dichloroethene	5.00	4.98	4.81	99.6	96.2	73.0-120			3.47	20
1,2-Dichloropropane	5.00	5.27	5.05	105	101	77.0-125			4.26	20
1,1-Dichloropropene	5.00	4.91	4.70	98.2	94.0	74.0-126			4.37	20
1,3-Dichloropropane	5.00	5.08	4.94	102	98.8	80.0-120			2.79	20
cis-1,3-Dichloropropene	5.00	4.62	4.50	92.4	90.0	80.0-123			2.63	20
trans-1,3-Dichloropropene	5.00	4.51	4.33	90.2	86.6	78.0-124			4.07	20
2,2-Dichloropropane	5.00	4.26	4.26	85.2	85.2	58.0-130			0.000	20
Di-isopropyl ether	5.00	4.84	4.68	96.8	93.6	58.0-138			3.36	20
Ethylbenzene	5.00	4.86	4.51	97.2	90.2	79.0-123			7.47	20
Hexachloro-1,3-butadiene	5.00	4.35	4.23	87.0	84.6	54.0-138			2.80	20
Isopropylbenzene	5.00	4.66	4.35	93.2	87.0	76.0-127			6.88	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3950376-1 07/15/23 19:50 • (LCSD) R3950376-2 07/15/23 20:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	5.00	3.97	3.86	79.4	77.2	76.0-125			2.81	20
2-Butanone (MEK)	25.0	25.2	24.1	101	96.4	44.0-160			4.46	20
Methylene Chloride	5.00	4.67	4.58	93.4	91.6	67.0-120			1.95	20
4-Methyl-2-pentanone (MIBK)	25.0	24.8	24.5	99.2	98.0	68.0-142			1.22	20
Methyl tert-butyl ether	5.00	4.36	4.51	87.2	90.2	68.0-125			3.38	20
Naphthalene	5.00	2.92	3.06	58.4	61.2	54.0-135			4.68	20
n-Propylbenzene	5.00	4.23	4.11	84.6	82.2	77.0-124			2.88	20
Styrene	5.00	4.73	4.44	94.6	88.8	73.0-130			6.32	20
1,1,1,2-Tetrachloroethane	5.00	4.44	4.38	88.8	87.6	75.0-125			1.36	20
1,1,2,2-Tetrachloroethane	5.00	3.98	4.09	79.6	81.8	65.0-130			2.73	20
1,1,2-Trichlorotrifluoroethane	5.00	4.53	4.45	90.6	89.0	69.0-132			1.78	20
Tetrachloroethene	5.00	5.30	5.03	106	101	72.0-132			5.23	20
Toluene	5.00	5.23	4.84	105	96.8	79.0-120			7.75	20
1,2,3-Trichlorobenzene	5.00	3.22	3.41	64.4	68.2	50.0-138			5.73	20
1,2,4-Trichlorobenzene	5.00	4.03	4.02	80.6	80.4	57.0-137			0.248	20
1,1,1-Trichloroethane	5.00	4.56	4.45	91.2	89.0	73.0-124			2.44	20
1,1,2-Trichloroethane	5.00	5.07	4.97	101	99.4	80.0-120			1.99	20
Trichloroethene	5.00	5.03	4.72	101	94.4	78.0-124			6.36	20
Trichlorofluoromethane	5.00	4.14	4.20	82.8	84.0	59.0-147			1.44	20
1,2,4-Trimethylbenzene	5.00	4.30	4.19	86.0	83.8	76.0-121			2.59	20
1,2,3-Trimethylbenzene	5.00	4.24	4.06	84.8	81.2	77.0-120			4.34	20
1,3,5-Trimethylbenzene	5.00	4.13	4.09	82.6	81.8	76.0-122			0.973	20
Vinyl chloride	5.00	5.39	5.37	108	107	67.0-131			0.372	20
Xylenes, Total	15.0	14.2	13.5	94.7	90.0	79.0-123			5.05	20
o-Xylene	5.00	4.76	4.57	95.2	91.4	80.0-122			4.07	20
m&p-Xylene	10.0	9.41	8.97	94.1	89.7	80.0-122			4.79	20
(S) Toluene-d8				*104*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*105*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.8*	*95.9*	*70.0-130*				

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/16/23 04:20 • (MS) R3950376-4 07/16/23 06:33 • (MSD) R3950376-5 07/16/23 06:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	31.8	34.2	127	137	1	10.0-160			7.27	35
Acrolein	25.0	U	U	U	0.000	0.000	1	10.0-160	J6	J6	0.000	39
Acrylonitrile	25.0	U	27.5	28.6	110	114	1	21.0-160			3.92	32
Benzene	5.00	0.542	5.23	5.34	93.8	96.0	1	17.0-158			2.08	27

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/16/23 04:20 • (MS) R3950376-4 07/16/23 06:33 • (MSD) R3950376-5 07/16/23 06:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	U	4.25	4.23	85.0	84.6	1	30.0-149			0.472	28
Bromochloromethane	5.00	U	4.65	4.50	93.0	90.0	1	38.0-142			3.28	26
Bromodichloromethane	5.00	U	4.53	4.71	90.6	94.2	1	31.0-150			3.90	27
Bromoform	5.00	U	3.85	4.04	77.0	80.8	1	29.0-150			4.82	29
Bromomethane	5.00	U	4.65	4.60	93.0	92.0	1	10.0-160			1.08	38
n-Butylbenzene	5.00	U	4.44	4.81	88.8	96.2	1	31.0-150			8.00	30
sec-Butylbenzene	5.00	0.847	5.00	5.18	83.1	86.7	1	33.0-155			3.54	29
tert-Butylbenzene	5.00	U	4.03	4.08	80.6	81.6	1	34.0-153			1.23	28
Carbon disulfide	5.00	U	3.73	3.66	74.6	73.2	1	10.0-156			1.89	28
Carbon tetrachloride	5.00	U	4.66	4.76	93.2	95.2	1	23.0-159			2.12	28
Chlorobenzene	5.00	U	4.68	4.86	93.6	97.2	1	33.0-152			3.77	27
Chlorodibromomethane	5.00	U	4.20	4.25	84.0	85.0	1	37.0-149			1.18	27
Chloroethane	5.00	U	4.61	4.59	92.2	91.8	1	10.0-160			0.435	30
Chloroform	5.00	U	4.63	4.69	92.6	93.8	1	29.0-154			1.29	28
Chloromethane	5.00	U	4.67	4.73	93.4	94.6	1	10.0-160			1.28	29
2-Chlorotoluene	5.00	U	3.80	4.19	76.0	83.8	1	32.0-153			9.76	28
4-Chlorotoluene	5.00	U	3.98	4.30	79.6	86.0	1	32.0-150			7.73	28
1,2-Dibromo-3-Chloropropane	5.00	U	3.25	3.59	65.0	71.8	1	22.0-151			9.94	34
Dibromomethane	5.00	U	4.74	4.77	94.8	95.4	1	30.0-151			0.631	27
1,2-Dichlorobenzene	5.00	U	4.32	4.45	86.4	89.0	1	34.0-149			2.96	28
1,3-Dichlorobenzene	5.00	U	4.02	4.15	80.4	83.0	1	36.0-146			3.18	27
1,4-Dichlorobenzene	5.00	U	4.19	4.35	83.8	87.0	1	35.0-142			3.75	27
Dichlorodifluoromethane	5.00	U	3.95	4.14	79.0	82.8	1	10.0-160			4.70	29
1,1-Dichloroethane	5.00	U	4.91	5.05	98.2	101	1	25.0-158			2.81	27
1,2-Dichloroethane	5.00	U	4.34	4.57	86.8	91.4	1	29.0-151			5.16	27
1,1-Dichloroethene	5.00	0.212	4.74	4.76	90.6	91.0	1	11.0-160			0.421	29
cis-1,2-Dichloroethene	5.00	U	4.87	4.96	97.4	99.2	1	10.0-160			1.83	27
trans-1,2-Dichloroethene	5.00	U	4.53	4.61	90.6	92.2	1	17.0-153			1.75	27
1,2-Dichloropropane	5.00	U	4.77	5.15	95.4	103	1	30.0-156			7.66	27
1,1-Dichloropropene	5.00	U	4.78	5.22	95.6	104	1	25.0-158			8.80	27
1,3-Dichloropropane	5.00	U	4.73	4.99	94.6	99.8	1	38.0-147			5.35	27
cis-1,3-Dichloropropene	5.00	U	4.21	4.33	84.2	86.6	1	34.0-149			2.81	28
trans-1,3-Dichloropropene	5.00	U	4.07	4.21	81.4	84.2	1	32.0-149			3.38	28
2,2-Dichloropropane	5.00	U	4.66	4.56	93.2	91.2	1	24.0-152			2.17	29
Di-isopropyl ether	5.00	U	4.69	4.60	93.8	92.0	1	21.0-160			1.94	28
Ethylbenzene	5.00	3.57	8.16	9.20	91.8	113	1	30.0-155			12.0	27
Hexachloro-1,3-butadiene	5.00	U	4.12	4.43	82.4	88.6	1	20.0-154			7.25	34
Isopropylbenzene	5.00	3.38	7.88	8.57	90.0	104	1	28.0-157			8.39	27
p-Isopropyltoluene	5.00	U	3.86	4.02	77.2	80.4	1	30.0-154			4.06	29
2-Butanone (MEK)	25.0	U	24.3	25.9	97.2	104	1	10.0-160			6.37	32

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/16/23 04:20 • (MS) R3950376-4 07/16/23 06:33 • (MSD) R3950376-5 07/16/23 06:52

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methylene Chloride	5.00	U	4.52	4.64	90.4	92.8	1	23.0-144			2.62	28
4-Methyl-2-pentanone (MIBK)	25.0	U	23.0	24.8	92.0	99.2	1	29.0-160			7.53	29
Methyl tert-butyl ether	5.00	U	4.38	4.29	87.6	85.8	1	28.0-150			2.08	29
Naphthalene	5.00	U	3.42	4.09	68.4	81.8	1	12.0-156			17.8	35
n-Propylbenzene	5.00	2.28	6.69	7.17	88.2	97.8	1	31.0-154			6.93	28
Styrene	5.00	U	4.35	4.62	87.0	92.4	1	33.0-155			6.02	28
1,1,1,2-Tetrachloroethane	5.00	U	4.17	4.40	83.4	88.0	1	36.0-151			5.37	29
1,1,2,2-Tetrachloroethane	5.00	U	4.16	4.15	83.2	83.0	1	33.0-150			0.241	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.53	4.67	90.6	93.4	1	23.0-160			3.04	30
Tetrachloroethene	5.00	U	4.83	5.01	96.6	100	1	10.0-160			3.66	27
Toluene	5.00	U	4.82	5.05	96.4	101	1	26.0-154			4.66	28
1,2,3-Trichlorobenzene	5.00	U	2.75	3.40	55.0	68.0	1	17.0-150			21.1	36
1,2,4-Trichlorobenzene	5.00	U	3.74	4.21	74.8	84.2	1	24.0-150			11.8	33
1,1,1-Trichloroethane	5.00	U	4.56	4.74	91.2	94.8	1	23.0-160			3.87	28
1,1,2-Trichloroethane	5.00	U	4.77	5.04	95.4	101	1	35.0-147			5.50	27
Trichloroethene	5.00	U	4.46	4.65	89.2	93.0	1	10.0-160			4.17	25
Trichlorofluoromethane	5.00	2.03	5.82	5.86	75.8	76.6	1	17.0-160			0.685	31
1,2,4-Trimethylbenzene	5.00	16.7	20.7	23.9	80.0	144	1	26.0-154			14.3	27
1,2,3-Trimethylbenzene	5.00	0.983	5.04	5.29	81.1	86.1	1	32.0-149			4.84	28
1,3,5-Trimethylbenzene	5.00	0.865	5.32	5.59	89.1	94.5	1	28.0-153			4.95	27
Vinyl chloride	5.00	U	5.13	5.17	103	103	1	10.0-160			0.777	27
Xylenes, Total	15.0	4.52	17.9	19.2	89.2	97.9	1	29.0-154			7.01	28
o-Xylene	5.00	0.528	5.11	5.24	91.6	94.2	1	45.0-144			2.51	26
m&p-Xylene	10.0	3.99	12.8	14.0	88.1	100	1	43.0-146			8.96	26
(S) Toluene-d8					*104*	*104*		*80.0-120*				
(S) 4-Bromofluorobenzene					*107*	*105*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*94.8*	*96.4*		*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3949585-2 07/17/23 11:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	U		0.00200	0.00500
1,2-Dibromoethane	U		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R3949585-1 07/17/23 10:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0550	110	70.0-130	
1,2-Dibromoethane	0.0500	0.0420	84.0	70.0-130	

Method Blank (MB)

(MB) R3949937-2 07/18/23 10:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichloropropane	U		0.00200	0.00500
1,2-Dibromoethane	U		0.00410	0.00500

Laboratory Control Sample (LCS)

(LCS) R3949937-1 07/18/23 10:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0550	110	70.0-130	
1,2-Dibromoethane	0.0500	0.0420	84.0	70.0-130	

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/18/23 13:26 • (MS) R3949937-3 07/18/23 14:39 • (MSD) R3949937-4 07/18/23 15:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,3-Trichloropropane	0.500	U	0.510	0.550	102	110	10	70.0-130			7.55	20
1,2-Dibromoethane	0.500	U	0.440	0.440	88.0	88.0	10	70.0-130			0.000	20

Sample Narrative:

OS: Non-target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R3950708-3 07/19/23 20:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
1,2,4-Trimethylbenzene	U		0.322	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylene	U		0.430	2.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3950708-1 07/19/23 19:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.19	104	70.0-123	
Ethylbenzene	5.00	5.07	101	79.0-123	
1,2,4-Trimethylbenzene	5.00	4.95	99.0	76.0-121	
Xylenes, Total	15.0	15.1	101	79.0-123	
o-Xylene	5.00	5.02	100	80.0-122	
m&p-Xylene	10.0	10.1	101	80.0-122	
(S) Toluene-d8			*98.9*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

Method Blank (MB)

(MB) R3950693-1 07/18/23 16:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	U		0.00536	0.0200

L1634955-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1634955-15 07/18/23 16:54 • (DUP) R3950693-3 07/18/23 16:41

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3950693-4 07/18/23 19:02 • (LCSD) R3950693-5 07/18/23 21:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.218	0.223	87.2	89.2	60.0-140			2.27	20

L1634955-17 Original Sample (OS) • Matrix Spike (MS)

(OS) L1634955-17 07/18/23 16:28 • (MS) R3950693-2 07/18/23 16:14

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.103	U	0.117	114	1.03	64.0-159	

Method Blank (MB)

(MB) R3950685-1 07/19/23 19:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Ethylene Dibromide	U		0.00536	0.0200

L1635476-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1635476-05 07/19/23 20:04 • (DUP) R3950685-3 07/19/23 19:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Ethylene Dibromide	U	U	1.07	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3950685-4 07/19/23 22:14 • (LCSD) R3950685-5 07/20/23 00:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Ethylene Dibromide	0.250	0.204	0.217	81.6	86.8	60.0-140			6.18	20

L1635476-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L1635476-09 07/19/23 19:36 • (MS) R3950685-2 07/19/23 19:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	ug/l	ug/l	ug/l	%		%	
Ethylene Dibromide	0.101	U	0.107	106	1.01	64.0-159	

Method Blank (MB)

(MB) R3953462-1 07/27/23 01:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
AK102 DRO C10-C25	323	J	170	800
AK103 RRO C25-C36	U		460	800
(S) o-Terphenyl	*98.9*			*60.0-120*
(S) n-Triacontane d62	*67.5*			*60.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3953462-2 07/27/23 01:27 • (LCSD) R3953462-3 07/27/23 01:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	6910	5820	115	97.0	75.0-125			17.1	20
(S) o-Terphenyl				*111*	*103*	*60.0-120*				
(S) n-Triacontane d62				*85.5*	*89.5*	*60.0-120*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3953462-4 07/27/23 02:17 • (LCSD) R3953462-5 07/27/23 02:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
AK103 RRO C25-C36	6000	4470	4720	74.5	78.7	60.0-120			5.44	20
(S) o-Terphenyl				*100*	*102*	*60.0-120*				
(S) n-Triacontane d62				*89.5*	*90.5*	*60.0-120*				

L1635081-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635081-07 07/27/23 04:48 • (MS) R3953462-6 07/27/23 05:14 • (MSD) R3953462-7 07/27/23 05:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	4400	9870	10300	91.2	98.3	1	75.0-125			4.26	20
(S) o-Terphenyl					*99.3*	*97.8*		*50.0-150*				
(S) n-Triacontane d62					*89.0*	*87.5*		*50.0-150*				

L1635081-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635081-07 07/27/23 04:48 • (MS) R3953462-8 07/27/23 06:04 • (MSD) R3953462-9 07/27/23 06:30

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK103 RRO C25-C36	6000	U	4240	4460	70.7	74.3	1	60.0-120			5.06	20
(S) o-Terphenyl					*94.5*	*104*		*50.0-150*				
(S) n-Triacontane d62					*88.0*	*95.5*		*50.0-150*				

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/27/23 22:22 • (MS) R3953462-10 07/27/23 22:48 • (MSD) R3953462-11 07/27/23 23:13

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	342	4260	4150	65.3	63.5	1	75.0-125	J6	J6	2.62	20
(S) o-Terphenyl					*73.2*	*82.8*		*50.0-150*				
(S) n-Triacontane d62					*66.5*	*69.5*		*50.0-150*				

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/27/23 22:22 • (MS) R3953462-12 07/27/23 23:38 • (MSD) R3953462-13 07/28/23 00:03

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK103 RRO C25-C36	6000	U	4230	4630	70.5	77.2	1	60.0-120			9.03	20
(S) o-Terphenyl					*77.3*	*80.5*		*50.0-150*				
(S) n-Triacontane d62					*71.5*	*75.5*		*50.0-150*				

Method Blank (MB)

(MB) R3953463-1 07/27/23 03:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
AK102 DRO C10-C25	227	J	170	800
(S) o-Terphenyl	*72.9*			*60.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3953463-2 07/27/23 03:32 • (LCSD) R3953463-3 07/27/23 03:58

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
AK102 DRO C10-C25	6000	4550	4220	75.8	70.3	75.0-125		J4	7.53	20
(S) o-Terphenyl				*84.5*	*85.9*	*60.0-120*				

L1635081-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635081-07 07/27/23 15:18 • (MS) R3953463-4 07/27/23 15:43 • (MSD) R3953463-5 07/27/23 16:08

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
AK102 DRO C10-C25	6000	1480	5550	5660	67.8	69.7	1	75.0-125	J6	J6	1.96	20
(S) o-Terphenyl					*73.8*	*69.4*		*50.0-150*				

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/27/23 22:22 • (MS) R3953463-6 07/27/23 22:48 • (MSD) R3953463-7 07/27/23 23:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
AK102 DRO C10-C25	6000	342	4260	4150	65.3	63.5	1	75.0-125	J6	J6	2.62	20
(S) o-Terphenyl					*73.2*	*82.8*		*50.0-150*				

Sample Narrative:

OS: Reporting from non-silica gel data due to non-detect to the RDL.

Method Blank (MB)

(MB) R3949437-2 07/16/23 10:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Naphthalene	U		0.128	0.500
(S) Nitrobenzene-d5	*85.5*			*11.0-135*
(S) 2-Fluorobiphenyl	*86.5*			*32.0-120*
(S) p-Terphenyl-d14	*123*	J1		*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R3949437-1 07/16/23 09:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	2.00	1.66	83.0	30.0-120	
(S) Nitrobenzene-d5			*88.5*	*11.0-135*	
(S) 2-Fluorobiphenyl			*92.5*	*32.0-120*	
(S) p-Terphenyl-d14			*116*	*23.0-122*	

L1634439-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1634439-01 07/16/23 10:29 • (MS) R3949437-3 07/16/23 10:47 • (MSD) R3949437-4 07/16/23 11:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	2.00	U	1.26	1.33	63.0	66.5	1	14.0-120			5.41	20
(S) Nitrobenzene-d5					*40.3*	*41.2*		*11.0-135*				
(S) 2-Fluorobiphenyl					*60.0*	*64.0*		*32.0-120*				
(S) p-Terphenyl-d14					*23.3*	*25.3*		*23.0-122*				

Method Blank (MB)

(MB) R3950226-2 07/19/23 01:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Naphthalene	U		0.128	0.500
(S) Nitrobenzene-d5	*67.5*			*11.0-135*
(S) 2-Fluorobiphenyl	*76.5*			*32.0-120*
(S) p-Terphenyl-d14	*90.0*			*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R3950226-1 07/19/23 01:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	2.00	1.55	77.5	30.0-120	
(S) Nitrobenzene-d5			*82.5*	*11.0-135*	
(S) 2-Fluorobiphenyl			*86.5*	*32.0-120*	
(S) p-Terphenyl-d14			*95.5*	*23.0-122*	

L1635476-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1635476-09 07/19/23 03:54 • (MS) R3950226-3 07/19/23 04:12 • (MSD) R3950226-4 07/19/23 04:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	2.00	1.13	2.88	3.22	87.5	104	1	14.0-120			11.1	20
(S) Nitrobenzene-d5					*88.5*	*89.5*		*11.0-135*				
(S) 2-Fluorobiphenyl					*95.0*	*99.0*		*32.0-120*				
(S) p-Terphenyl-d14					*108*	*112*		*23.0-122*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - AK

880 H St.
Anchorage, AK 99501

Billing Information:
Attn: Acounts Payable
630 Plaza Dr Ste 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Nick Wood/Sydney Clark/Erika Midkiff

Email To:
Alaura.Gonzalez@arcadis.com;environmentDM-

Project Description:
211081

City/State Collected: Fairbanks, AK

Please Circle: PT MT CT ET (AK)

Phone: 907-276-8095

Client Project #
30064221.19.45

Lab Project #
CHEVARCAK-211081

Collected by (print):
E. Wujcik

Site/Facility ID #
4103 GEIST RD, FAIRBANKS,

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day X 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
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MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1635476
J030

Acctnum: CHEVARCAK
Template: T233400
Prelogin: P1010376
PM: 110 - Brian Ford
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 with silica 100ml Amb HCl	AK102/103 no silica 100ml Amb HCl	EDB 8011 40mlClr-NaThio	EDB/123TCP 524LL 40mlAmb-HCl	Naphthalene 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl			Remarks	Sample # (lab only)
MW-306-W-20230712	Grab	GW	-	7.12.23	0700	18	X	X	X	X	X	X	X	X			Cooler 1	-01
MW-305-W-20230712		GW	-		0745	18	X	X	X	X	X	X	X	X				-02
MW-301D-W-20230712		GW	-		0830	18	X	X	X	X	X	X	X	X				-03
MW-304S-W-20230712		GW	-		0915	18	X	X	X	X	X	X	X	X				-04
MW-304D-W-20230712		GW	-		1000	18	X	X	X	X	X	X	X	X			Cooler 2	-05
MW-305-W-20230712		GW	-		1045	18	X	X	X	X	X	X	X	X				-06
G-9-W-20230712		GW	-		1130	18	X	X	X	X	X	X	X	X				-07
G-1R-W-20230712		GW	-		1215	18	X	X	X	X	X	X	X	X				-08
G-8-W-20230712		GW	-		1300	54	X	X	X	X	X	X	X	X			MS/MSD	Cooler 3 -09
G-7-W-20230712		GW	-		1345	18	X	X	X	X	X	X	X	X				-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Disregard the markout on EDB/123TCP. Please analyse.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: X Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) No (HCl) / MeoH TBR	If preservation required by Login: Date/Time
	7.13.23	0800		26	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 288	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/14/23 Time: 0900	Hold: Condition: NCF / (OK)

Company Name/Address:
Arcadis - Chevron - AK

880 H St.
Anchorage, AK 99501

Billing Information:
Attn: Acounts Payable
630 Plaza Dr Ste 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Nick Wood/Sydney Clark/Erika Midkiff

Email To:
Alaura.Gonzalez@arcadis.com;environmentDM-

Project Description:
211081

City/State Collected: Fairbanks, AK

Please Circle: PT MT CT ET

Phone: **907-276-8095**

Client Project #
30064221.19.45

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C. Wojcik

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4103 GEIST RD, FAIRBANKS,

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
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___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 with silica 100ml Amb HCl	AK102/103 no silica 100ml Amb HCl	EDB 8011 40mlClr-NaThio	EDB/123TCP-524LL 40mlAmb-HCl	Naphthalene 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl			Remarks	Sample # (lab only)
G-3-W-20230712	Grab	GW	-	7.12.23	1430	18	X	X	X	X	X	X	X	X			Cooler 4	-11
G-5-W-20230712		GW	-		1515	18	X	X	X	X	X	X	X	X				-12
BD-1-W-20230712		GW	-		-	18	X	X	X	X	X	X	X	X				-13
EQB-1-W-20230712		GW	-		1600	18	X	X	X	X	X	X	X	X				-14
Trip Blank 1	-	GW	-	-	-	6	X				X			X			Cooler 1	-15
Trip Blank 2	-	GW	-	-	-	6	X				X			X			Cooler 2	-16
Trip Blank 3	-	GW	-	-	-	6	X				X			X			Cooler 3	-17
Trip Blank 4	-	GW	-	-	-	6	X				X			X			Cooler 4	-18
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1635476

Table #

Acctnum: **CHEVARCAK**
Template: **T233400**
Prelogin: **P1010376**
PM: **110 - Brian Ford**
PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Disregard the marked on EDB/123 TCP. Please analyse.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP X Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	7.13.23	0800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 288	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/14/23 Time: 0900	Hold: Condition: NCF / OK

LL635476

Tracking Numbers	GBAG Temperature
6426 8309 6399	5.7+0=5.7
6337 2250 9805	1.9+0=1.9
6337 2250 9827	4.7+0=4.7
6337 2250 9816	3.4+0=3.4

Attachment C

Historical Groundwater Gauging and Analytical Results – First Quarter 1994 - 2022

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-1R	10/9/1996	430.69	13.92	--	416.77	--	--	--	--	**0.470**	**0.042**	**0.385**	**0.473**	--	
G-1R	12/11/1996	430.69	14.20	--	416.49	--	--	**1.26**	--	**0.140**	**0.013**	**0.077**	**0.121**	--	
G-1R	3/13/1997	430.69	14.88	--	415.81	--	--	**8.27**	--	**0.459**	**0.010**	**0.545**	**0.596**	--	
G-1R	6/5/1997	430.69	14.10	--	416.59	--	--	**5.41**	--	**0.285**	**0.008**	**0.443**	**0.428**	--	
G-1R	9/18/1997	430.69	12.39	--	418.30	--	--	**3.96 [3.97]**	--	**0.446 [0.426]**	**0.0684 [0.0602]**	**0.307 [0.292]**	**0.570 [0.564]**	--	
G-1R	12/11/1997	430.69	14.59	--	416.10	--	--	**5.40**	--	**0.450**	**0.032**	**0.486**	**0.517**	--	
G-1R	3/25/1998	430.69	15.19	--	415.50	--	--	**8.16**	--	**0.535**	**0.013**	**0.795**	**0.757**	--	
G-1R	6/11/1998	430.69	14.47	--	416.22	--	--	**5.59**	--	**0.333**	<0.01	**0.612**	**0.563**	--	
G-1R	9/22/1998	430.69	12.80	--	417.89	--	--	**0.906 [0.818]**	--	**0.0437 [0.0466]**	**0.00137 [0.00139]**	**0.0454 [0.045]**	**0.0669 [0.0663]**	--	
G-1R	12/22/1998	430.69	14.51	--	416.18	--	--	**2.93 [3.01]**	--	**0.214 [0.211]**	<0.005 **[0.00437]**	**0.315 [0.318]**	**0.263 [0.272]**	--	
G-1R	3/18/1999	430.69	14.78	--	415.91	--	--	**6.42**	--	**0.326**	**0.017**	**0.659**	**0.683**	--	
G-1R	6/29/1999	430.69	13.01	--	417.68	--	--	**2.65**	--	**0.027**	**0.006**	<0.007	**1.04**	--	
G-1R	9/27/1999	430.69	13.65	--	417.04	--	--	**0.754 [0.75]**	--	**0.0463 [0.0509]**	**0.000734 [0.00087]**	**0.0397 [0.0433]**	**0.050 [0.0552]**	--	
G-1R	12/21/1999	430.69	14.37	--	416.32	--	--	**4.60 [4.62]**	--	**0.331 [0.336]**	**0.0123 [0.0125]**	**0.507 [0.502]**	**0.525 [0.513]**	--	
G-1R	3/28/2000	430.69	15.37	--	416.32	--	--	**8.05**	--	**0.325**	**0.098**	**0.980**	**1.33**	--	
G-1R	6/27/2000	430.69	12.07	--	418.62	--	--	**3.69**	--	**0.113**	<0.00521	**0.254**	**0.333**	--	
G-1R	9/26/2000	430.69	11.09	--	419.60	--	--	**2.01**	--	**0.047**	**0.065**	**0.181**	**0.213**	--	
G-1R	12/19/2000	430.69	13.59	--	417.10	--	--	**0.766 [0.871]**	--	**0.034 [0.0384]**	<0.00093 [<0.000970]	**0.0632 [0.0728]**	**0.0626 [0.0704]**	--	
G-1R	3/28/2001	430.69	14.51	--	416.18	--	--	**2.51**	--	**0.092**	<0.005	**0.274**	**0.271**	--	
G-1R	6/27/2001	430.69	12.96	--	417.73	--	--	**3.22**	--	**0.028**	**0.004**	**0.255**	**0.418**	--	
G-1R	9/19/2001	430.69	12.03	--	418.66	--	--	**0.278**	--	**0.014**	**0.001**	**0.015**	**0.020**	--	
G-1R	12/12/2001	430.69	14.32	--	416.37	--	--	**0.722**	--	**0.046**	**0.001**	**0.078**	**0.019**	--	
G-1R	3/27/2002	430.69	14.62	--	416.07	--	--	**3.65**	--	**0.124**	**0.009**	**0.320**	**0.336**	--	
G-1R	6/25/2002	430.69	11.86	--	418.83	--	--	**1.54**	--	**0.143**	<0.00250	**0.123**	**0.103**	--	
G-1R	9/28/2002	430.69	11.62	--	419.07	--	--	<0.080 **[0.0912]**	--	**0.0104 [0.015]**	<0.0005 [<0.0005]	**0.00288 [0.00465]**	<0.001 [<0.001]	--	
G-1R	12/17/2002	430.69	12.87	--	417.82	--	--	**0.858 [0.904]**	--	**0.0756 [0.0874]**	<0.0005 [<0.0005]	**0.0562 [0.0629]**	**0.00611 [0.00723]**	--	
G-1R	4/8/2003	430.69	12.61	--	418.08	--	--	**0.650 [0.760]**	--	**0.066 [0.075]**	<0.0005 [<0.0005]	**0.049 [0.059]**	**0.002 [0.0021]**	--	
G-1R	6/24/2003	430.69	13.07	--	417.62	--	--	**1.2 [1.3]**	--	**0.12 [0.12]**	**0.0007 [0.0007]**	**0.09 [0.100]**	<0.0015 [<0.0015]	--	
G-1R	9/16/2003	430.69	9.82	--	420.87	--	--	**1.3 [1.3]**	--	**0.140 [0.150]**	**0.0007 [0.0007]**	**0.099 [0.100]**	**0.0028 [0.0031]**	--	
G-1R	12/22/2003	430.69	12.69	--	418.00	--	--	**0.870**	--	**0.083**	**0.001**	**0.059**	<0.0015	--	
G-1R	3/23/2004	430.69	14.50	--	416.19	--	--	**1.60**	--	**0.094**	**0.001**	**0.140**	**0.003**	--	
G-1R	6/21/2004	430.69	11.98	--	418.71	--	--	**1.4 [1.6]**	--	**0.089 [0.095]**	**0.0009 [0.001]**	**0.089 [0.11]**	**0.0042 [0.0057]**	--	BTEX by SW-846 8021B
G-1R	9/29/2004	430.69	13.32	--	417.37	--	--	**0.069**	--	**0.013**	<0.00050	**0.002**	<0.00150	--	
G-1R	12/2/2004	430.69	14.49	--	416.20	**0.160**	--	**0.740**	**0.120**	**0.043**	<0.00050	**0.048**	**0.003**	--	
G-1R	4/7/2005	430.69	14.61	--	416.08	**0.400**	--	**1.70**	**0.180**	**0.087**	**0.001**	**0.150**	**0.009**	--	
G-1R	6/27/2005	430.69	11.04	--	419.65	**0.45 [0.42]**	--	**2.3 [2.3]**	**0.14 [0.15]**	**0.11 [0.11]**	**0.0009 [0.0009]**	**0.16 [0.16]**	**0.0081 [0.0081]**	--	BTEX by SW-846 8021B
G-1R	9/22/2005	430.69	12.20	--	418.49	**0.053 [0.054]**	--	**0.14 [0.14]**	**0.039 [0.066]**	**0.0151 [0.0171]**	<0.000501[<0.000501]	**0.0131 [0.011]**	<0.001501 [<0.001501]	--	BTEX by SW-846 8021B
G-1R	12/6/2005	430.69	13.92	--	416.77	--	--	**0.290**	--	**0.026**	<0.00050	**0.020**	<0.00150	--	
G-1R	3/29/2006	430.69	15.29	--	415.40	--	--	**0.88 [0.85]**	--	**0.043 [0.037]**	**0.0008 [0.0009]**	**0.056 [0.050]**	**0.0057 [0.0061]**	<0.020 [<0.010]	
G-1R	6/8/2006	430.69	12.94	--	417.75	--	--	**0.670**	--	**0.025**	<0.00050	**0.051**	**0.002**	--	
G-1R	9/26/2006	98.87	12.99	--	85.88	--	--	**0.024 [0.026]**	--	**0.0027 [0.0027]**	<0.00050 [<0.00050]	**0.0014 [0.0013]**	<0.00150 [<0.00150]	--	BTEX by SW-846 8021B
G-1R	3/31/2007	98.87	15.31	--	83.56	--	--	**0.500**	--	**0.030**	<0.0010	**0.020**	<0.0020	--	
G-1R	9/15/2007	98.87	12.35	--	86.52	--	--	**0.020**	--	**0.008**	<0.0010	<0.0010	<0.0020	--	
G-1R	3/26/2008	98.87	14.92	--	83.95	--	--	**0.427**	--	**0.033**	<0.00050	**0.016**	**0.003**	--	

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
BD= Duplicate Sample
GW Elev = Groundwater elevation
mg/L = Milligrams per liter
LNAPL = Light non-aqueous phase liquid
-- = Not analyzed/ Not available
<0.800 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Reported detection limit (RDL)
Bold and Shaded= Value exceeds ADEC Groundwater Cleanup Level
Bold and Italicized : Constituent considered non-detect, however Laboratory RDL is greater tha the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The sample result reported from dilution

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
RRO = Total petroleum hydrocarbons, residual range oraganics by LUFT GC/MS according to Alaska Series Method AK102/103
Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-1R	9/9/2008	98.87	11.87	--	87.00	--	--	**0.030**	--	**0.001**	<0.001	<0.001	<0.002	--	
G-1R	5/11/2009	98.87	13.70	--	85.17	--	--	**1.80**	--	**0.074**	**0.001**	**0.120**	**0.015**	--	
G-1R	10/2/2009	435.81	13.26	--	422.55	--	--	**0.024**	--	**0.001**	<0.002	<0.002	<0.005	--	
G-1R	6/16/2010	435.81	13.84	--	421.97	**0.340**	--	**0.680**	--	**0.015**	**0.001**	**0.028**	<0.005	--	
G-1R	9/25/2010	435.81	12.80	--	423.01	--	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
G-1R	6/9/2011	435.81	13.51	--	422.30	--	--	**0.024**	--	<0.002	<0.002	<0.002	<0.005	--	
G-1R	9/20/2011	435.81	12.22	--	423.59	--	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
G-1R	6/12/2012	435.81	12.68	--	423.13	**0.180**	**0.081**	**0.280**	**0.099**	**0.007**	**0.001**	**0.006**	**0.002**	--	
G-1R	10/2/2012	435.77	13.23	--	422.54	**0.480**	<0.26	**0.0120J**	**3.70**	**0.00060 J**	<0.002	<0.002	<0.005	--	
G-1R	6/11/2013	435.77	12.00	--	423.77	--	--	**0.560**	--	**0.017**	**0.000310 J**	**0.044**	**0.008**	--	
G-1R	10/10/2013	435.77	13.25	--	422.52	<0.4300 [<0.4300]	--	<0.1000[<0.1000]	--	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	--	
G-1R	6/30/2014	435.77	11.60	--	424.17	<0.42	--	**0.411**	--	**0.008**	<0.00100	**0.025**	**0.007**	--	
G-1R	9/16/2015	435.77	11.37	--	424.44	**0.59J**	--	**0.170**	**0.74 J**	<0.001	<0.001	<0.001	<0.001	--	
G-1R	8/3/2016	435.77	9.06	--	426.71	**1.2 J**	**0.035 J**	**0.051 J**	**0.55 J**	<0.001	<0.001	<0.001	<0.001	--	
G-1R	9/19/2017	435.46	11.97	--	423.49	--	<0.26 J	**0.160**	**0.19 J**	**0.039**	<0.001	<0.001	<0.001	--	
G-1R	8/20/2018	435.45	10.17	--	425.28	**0.17 J**	**0.11 J**	**0.044 J**	**0.11 J**	**0.002**	<0.001	<0.001	<0.005	--	
G-1R	7/10/2019	435.66	12.35	--	423.31	**0.350**	<0.11	<0.25 J	**0.430**	<0.0030	<0.0020	<0.0030	<0.0050	--	Depth to water taken from well survey dated July 25, 2019
G-1R	6/24/2020	435.66	10.40	0.00	425.26	<0.800 J	<0.800	**0.101**	<0.800 J	**0.061**	<0.00100	**0.000526 J**	**0.000297 J**	--	Depth to water taken during gauging event on 6/23/2020
G-1R	7/16/2021	435.66	12.30	0.00	423.36	<0.800 B J	<0.800 B	<0.100 B	<0.800 J	<0.00100	<0.00100	<0.00100	<0.00300	--	
G-1R	7/14/2022	435.66	10.44	0.00	425.22	**0.242 J**	<0.800	<0.100	<0.800 B	<0.00100	<0.00100	<0.00100	<0.00300	--	
				--											
G-1	2/22/1994	429.98	--	--	--	--	--	**0.894**	--	**0.250**	**0.002**	<0.001	**0.001**	--	
G-1	8/2/1994	429.98	10.75	--	419.23	--	--	--	--	**0.300**	<0.001	<0.001	<0.001	--	
G-1	9/28/1994	429.98	12.63	--	417.35	--	--	--	--	**0.380**	<0.001	<0.001	<0.001	--	
G-1	1/4/1995	429.98	13.30	--	416.68	--	--	--	--	**0.440**	<0.001	<0.001	<0.001	--	
G-1	3/27/1995	429.98	14.30	--	415.68	--	--	--	--	**0.310**	<0.001	<0.001	<0.001	--	
G-1	6/27/1995	429.98	11.41	--	418.57	--	--	--	--	**0.300**	**0.020**	**0.005**	**0.009**	--	
G-1	9/18/1995	429.98	9.98	--	420.00	--	--	--	--	**0.085**	<0.001	<0.001	<0.001	--	
G-1	12/12/1995	429.98	12.58	--	417.40	--	--	--	--	**0.120**	<0.001	<0.001	<0.001	--	
G-1	3/5/1996	429.98	13.33	--	416.65	--	--	--	--	**0.210**	<0.00050	<0.00050	<0.001	--	
G-1	5/30/1996	429.98	12.57	--	417.40	--	--	--	--	**0.088**	<0.00050	<0.00050	<0.001	--	
G-1	9/27/1999	429.98	--	--	--	--	--	**0.750**	--	**0.051**	**0.001**	**0.043**	**0.055**	--	
G-2	2/22/1994	430.11	--	--	--	--	--	<0.050	--	<0.001	<0.001	<0.001	<0.001	--	
G-2	8/2/1994	430.11	10.92	--	419.19	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
G-2	3/30/1995	430.11	14.25	--	415.86	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
G-2	5/30/1996	430.11	12.70	--	417.41	--	--	--	--	**0.001**	<0.00050	<0.00050	<0.001	--	
G-2	12/11/1996	430.11	13.60	--	416.51	--	--	<0.050	--	<0.00050	<0.00050	<0.00050	<0.001	--	
G-2	9/18/1997	430.11	11.82	--	418.29	--	--	<0.050	--	**0.002**	**0.001**	<0.00050	<0.001	--	
G-2	9/22/1998	430.11	12.19	--	417.92	--	--	<0.050	--	<0.00050	<0.00050	<0.00050	<0.001	--	
G-2	3/18/1999	430.11	14.21	--	415.90	--	--	<0.050	--	<0.00050	<0.00050	<0.00050	<0.001	--	
G-2	9/27/1999	430.11	--	--	--	--	--	**0.050**	--	<0.00050	<0.00050	<0.00050	**0.001**	--	
G-2	3/28/2000	430.11	--	--	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
G-2	6/27/2000	430.11	11.51	--	418.60	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
G-2	9/26/2000	430.11	10.56	--	419.55	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	

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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-2	3/27/2002	430.11	--	--	--	--	--	<0.050	--	<0.00115	<0.0005	<0.0005	<0.001	--	
G-2	4/8/2003	430.11	--	--	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
G-2	3/24/2004	430.11	--	--	--	--	--	--	--	--	--	--	--	--	
G-2	4/6/2005	430.11	--	--	--	--	--	--	--	--	--	--	--	--	
G-2	6/27/2005	430.11	10.47	--	419.64	**0.210**	--	<0.0100	**0.490**	<0.00050	<0.00050	<0.00050	<0.00150	--	
G-2	9/22/2005	430.11	11.62	--	418.49	<0.021	--	**0.017**	<0.021	**0.005**	<0.0005	<0.0005	<0.0015	--	
G-2	3/30/2006	430.11	14.73	--	415.38	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
G-3	7/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-3	7/25/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-3	5/12/2009	429.36	11.89	--	417.47	**3.20**	--	**19.0**	--	**0.014**	**0.100**	**0.960**	**4.00**	--	
G-3	10/2/2009	434.46	11.87	--	422.59	--	--	**9.00**	--	**0.011**	**0.069**	**0.410**	**2.50**	--	
G-3	6/17/2010	434.46	12.43	--	422.03	**27.0**	--	**13.0**	--	**0.069**	**0.890**	**0.540**	**3.30**	--	
G-3	9/25/2010	434.46	11.42	--	423.04	**12.0**	--	**33.0**	***<5.1***	**0.130**	**0.880**	**0.980**	**7.80**	--	
G-3	6/8/2011	434.46	--	--	--	--	--	--	--	--	--	--	--	--	
G-3	7/29/2011	--	--	--	--	**4.30**	--	**7.60**	--	**0.025 / 0.026**	**0.032 / 0.0085**	**0.26 / 0.2**	**1.9 / 0.79**	--	BTEX by SW-846 8021B
G-3	9/20/2011	434.46	12.50	--	421.96	**4.80**	--	**22.0**	***<1.3***	***<0.0310***	**0.041**	**0.720**	**4.80**	--	
G-3	6/11/2012	434.46	--	--	--	--	--	--	--	--	--	--	--	--	
G-3	10/2/2012	434.42	11.85	--	422.57	**9.00**	**4.40**	**12.0**	**0.87 J**	***<0.0410 / <0.0390***	**0.018 / 0.019**	**0.61 / 0.62**	**3.3 / 3.4**	--	BTEX by SW-846 8021B
G-3	6/11/2013	434.42	10.57	--	423.85	**2.70**	**1.60**	**3.48**	--	**0.00120 J**	**0.005**	**0.188**	**0.516**	--	
G-3	10/10/2013	434.42	11.86	--	422.56	**3.10**	**1.80**	**10.4**	**1.10**	<0.00100	**0.012**	**0.034**	**3.21**	--	
G-3	6/29/2014	434.42	10.20	--	424.22	--	--	--	--	--	--	--	--	--	
G-3	9/16/2015	434.42	9.98	--	424.44	**6.90**	--	**15.0**	**4.90**	**0.0090J**	**0.027**	**0.210**	**4.10**	--	
G-3	8/3/2016	434.42	8.01	--	426.41	**2.10**	**0.30 J**	**5.40**	**0.61 J**	**0.003 J**	**0.010**	**0.220**	**0.830**	--	
G-3	9/19/2017	434.55	11.01	--	423.54	**2.4 J [4.2 J]**	**0.93 J [1.7 J]**	**7.7 [7.4]**	***<1.3*** **[1.1 J]**	**0.75 [0.67]**	**0.004 J [0.003 J]**	**0.41 [0.36]**	**0.91 [0.80]**	--	
G-3	8/20/2018	434.53	9.27	--	425.26	**4.20**	**0.80 J**	**6.20**	**0.340**	**0.390**	<0.005	**0.490**	**0.830**	--	
G-3	7/10/2019	434.73	11.36	0.00	423.37	**2.40**	**0.850**	**4.5 J**	**0.770**	**0.68 D**	**0.080**	**0.47 D**	**0.892 D**	--	Depth to water taken from well survey dated July 25, 2019
G-3	6/23/2020	434.73	--	--	--	--	--	--	--	--	--	--	--	--	Ice obstruction at 7.6 ft
G-3	7/16/2021	434.73	11.35	0.00	423.38	**2.12 J**	<0.800 B	**7.03**	<0.800 J	**1.12**	**0.039**	**0.647**	**1.51**	--	
G-3	7/14/2022	434.73	9.56	0.00	425.17	**2.59**	**0.986**	**5.37**	<0.800 B	**0.672**	**0.00323 J**	**0.430**	**1.13**	--	
G-4	7/15/1994	431.72	12.45	--	419.27	--	--	--	--	**63.0**	**72.0**	**6.90**	**23.0**	--	
G-4	7/25/1994	431.72	12.70	--	419.02	--	--	--	--	**74.0**	**85.0**	**6.70**	**22.0**	--	
G-4	8/2/1994	431.72	12.65	--	419.07	--	--	--	--	**65.0**	**76.0**	**6.20**	**21.0**	--	
G-4	9/28/1994	432.33	14.30	--	418.03	--	--	--	--	**70.0**	**94.0**	**7.80**	**27.0**	--	
G-4	1/6/1995	432.33	14.98	--	417.35	--	--	--	--	**78.0**	**91.0**	**7.70**	**40.0**	--	
G-4	6/27/1995	432.33	13.45	--	418.88	--	--	--	--	**48.0**	**66.0**	**8.70**	**45.0**	--	
G-4	9/17/1995	432.33	12.70	--	419.63	--	--	--	--	**23.0**	**38.0**	**4.50**	**31.0**	--	
G-4	12/11/1995	432.33	14.20	--	418.13	--	--	--	--	**27.0**	**59.0**	**10.0**	**65.0**	--	
G-4	3/7/1996	432.33	15.05	--	417.28	--	--	--	--	**38.0**	**85.0**	**21.0**	**180**	--	
G-4	5/30/1996	432.33	14.29	--	418.04	--	--	**1,100 [--]**	--	**58.4 [67.6]**	**123 [81]**	**43.3 [7.65]**	**349.0 [49.2]**	--	
G-4	9/16/1996	431.62	14.26	--	417.36	--	--	--	--	**46.2 [47.3]**	**73.3 [75.5]**	**8.64 [9.27]**	**49.9 [53.6]**	--	
G-4	12/10/1996	431.62	15.15	--	416.47	--	--	**429 [403]**	--	**81.9 [65.5]**	**84.9 [72.2]**	**6.57 [6.41]**	**34.9 [35.0]**	--	
G-4	6/5/1997	431.62	14.70	--	416.92	--	--	**82.5 [85.5]**	--	**9.61 [9.22]**	**16.6 [15.8]**	**1.76 [1.76]**	**12.6 [12.8]**	--	
G-4	9/17/1997	431.62	13.37	--	418.25	--	--	**85.7**	--	**13.7**	**17.8**	**0.905**	**12.6**	--	

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DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
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Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
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Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-4	12/11/1997	431.62	15.59	--	416.03	--	--	**80.8 [75.8]**	--	**9.63 [9.26]**	**18.4 [18.0]**	**1.59 [1.57]**	**12.2 [12.2]**	--	
G-4	6/8/1998	431.62	15.47	--	416.15	--	--	**5.29**	--	**0.018**	**0.664**	**0.189**	**1.31**	--	
G-4	9/17/1998	431.62	13.78	--	417.84	--	--	**18.2**	--	**1.90**	**5.32**	**0.442**	**3.91**	--	
G-4	8/9/1999	431.62	13.28	--	418.34	--	--	**9.54**	--	**1.06**	**2.02**	**0.260**	**1.54**	--	
G-4	9/28/1999	431.62	14.59	--	417.03	--	--	**9.55**	--	**0.110**	**1.46**	**0.307**	**2.58**	--	
G-4	12/21/1999	431.62	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	3/28/2000	431.62	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	6/27/2000	431.62	13.10	--	418.52	--	--	**6.23**	--	**0.042**	**0.814**	**0.137**	**1.59**	--	
G-4	9/26/2000	431.62	12.05	--	419.57	--	--	**0.427**	--	**0.001**	**0.001**	**0.014**	**0.123**	--	
G-4	12/19/2000	431.62	14.56	--	417.06	--	--	**2.38**	--	<0.0035	**0.009**	**0.080**	**0.768**	--	
G-4	3/30/2001	431.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Inaccessible
G-4	6/28/2001	431.62	14.02	--	417.60	--	--	**0.205**	--	**0.000**	**0.001**	**0.001**	**0.025**	--	
G-4	9/19/2001	431.62	13.12	--	418.50	--	--	**2.27**	--	**0.032**	**0.020**	**0.146**	**0.824**	--	
G-4	12/12/2001	431.62	15.30	--	416.32	--	--	**7.20**	--	**0.456**	**0.338**	**0.510**	**2.05**	--	
G-4	3/27/2002	431.62	15.59	--	416.03	--	--	**27.4**	--	**1.82**	**3.99**	**1.69**	**4.89**	--	
G-4	6/25/2002	431.62	12.90	--	418.72	--	--	**48.5**	--	**7.16**	**6.25**	**1.88**	**6.10**	--	
G-4	9/28/2002	431.62	12.53	--	419.09	--	--	**13.1**	--	**2.52**	**0.893**	**0.865**	**2.19**	--	
G-4	12/17/2002	431.62	13.89	--	417.73	--	--	**72.8**	--	**5.21**	**8.99**	**2.29**	**10.4**	--	
G-4	4/8/2003	431.62	--	--	--	--	--	--	--	--	--	--	--	--	Well frozen
G-4	6/25/2003	431.62	--	--	--	--	--	**0.220**	--	**0.004**	**0.015**	**0.006**	**0.051**	--	
G-4	9/16/2003	431.62	--	--	--	--	--	**7.40**	--	**0.097**	**0.650**	**0.062**	**1.70**	--	
G-4	12/22/2003	431.62	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	3/24/2004	431.62	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	6/21/2004	431.62	--	--	--	--	--	**9.40**	--	**0.036**	**1.30**	**0.150**	**1.70**	--	
G-4	9/29/2004	431.62	14.04	--	417.58	--	--	**0.290**	--	<0.00050	**0.001**	**0.002**	**0.040**	--	
G-4	12/2/2004	431.62	15.23	--	416.39	**0.062**	--	**0.015**	**0.089**	**0.004**	<0.00050	<0.00050	<0.00150	--	
G-4	12/2/2004	--	--	--	--	**0.480**	--	**0.170**	**0.570**	<0.00050	<0.00050	**0.001**	**0.005**	--	
G-4	4/7/2005	431.62	15.41	--	416.21	**0.270**	--	<0.0100	**0.320**	<0.00050	<0.00050	<0.00050	<0.00150	--	
G-4	6/27/2005	431.62	11.95	--	419.67	**0.750**	--	**5.00**	**0.120**	**0.011**	**0.430**	**0.077**	**0.830**	--	
G-4	9/22/2005	431.62	12.90	--	418.72	**1.20**	--	**3.00**	**1.10**	**0.012**	**0.450**	**0.055**	**0.620**	--	
G-4	12/7/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	3/30/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	6/8/2006	--	13.93	--	--	--	--	**0.052**	--	<0.00050	<0.00050	**0.002**	**0.017**	--	
G-4	9/26/2006	99.66	13.70	--	85.96	--	--	**1.60**	--	**0.019**	**0.002**	**0.030**	**0.380**	--	
G-4	12/20/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	3/31/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	9/15/2007	99.66	13.12	--	86.54	--	--	**5.20**	--	**0.400**	**0.200**	**0.400**	**1.00**	--	
G-4	1/30/2008	99.66	15.11	--	84.55	--	--	--	--	**0.600**	**3.20**	**1.10**	**2.80**	--	
G-4	3/26/2008	99.66	15.72	--	83.94	--	--	**68.1**	--	**1.06**	**11.4**	**2.50**	**9.18**	--	
G-4	6/27/2008	99.66	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	9/9/2008	99.66	12.59	--	87.07	--	--	**5.40**	--	**0.200**	**0.200**	**0.300**	**0.900**	--	
G-4	12/12/2008	99.66	15.14	--	84.52	--	--	--	--	--	--	--	--	--	
G-4	1/13/2009	99.66	15.32	--	84.34	--	--	**22.0**	--	**0.300**	**3.50**	**1.10**	**4.60**	--	
G-4	5/8/2009	99.66	14.65	--	85.01	--	--	--	--	--	--	--	--	--	
G-4	5/12/2009	--	--	--	--	--	--	**31.0**	--	**2.60**	**4.20**	**1.20**	**4.60**	--	

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University Car Care Center / Former Texaco 211081
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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-4	10/2/2009	436.50	14.00	--	422.50	--	--	**44.0**	--	**0.300**	**5.50**	**1.70**	**11.0**	--	
G-4	6/16/2010	436.50	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	8/17/2010	--	--	--	--	**0.440**	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
G-4	9/25/2010	436.50	13.58	--	422.92	**2.30**	--	**0.280**	**0.820**	***<0.01***	<0.01	**0.007**	**0.085**	--	
G-4	6/8/2011	436.50	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	9/20/2011	436.50	13.03	--	423.47	**6.10**	--	**3.90**	***<4.7***	**0.030**	**0.008**	**0.190**	**0.830**	--	
G-4	6/11/2012	434.46	13.50	--	420.96	--	--	--	--	--	--	--	--	--	
G-4	10/2/2012	436.53	14.01	--	422.52	**6.30**	**2.90**	**17.0**	***<1.2***	**0.140**	**1.70**	**0.970**	**4.60**	--	
G-4	6/10/2013	436.53	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	10/10/2013	436.53	13.99	--	422.54	**7.30**	**3.70**	**15.9**	--	**0.164**	**0.816**	**0.651**	**4.04**	--	
G-4	6/29/2014	436.53	--	--	--	--	--	--	--	--	--	--	--	--	
G-4	9/16/2015	436.53	12.22	--	424.31	**2.50**	--	**2.50**	**1.00**	**0.024**	**0.080**	**0.061**	**0.490**	--	
G-4	8/3/2016	436.53	9.99	--	426.54	**4.80**	**1.40**	**53.0**	**0.25 J**	**1.80**	**6.10**	**1.40**	**7.60**	--	
G-4	9/19/2017	436.32	12.63	--	423.69	**1.30**	**0.23 J**	**8.30**	**0.23 J**	**1.70**	**0.190**	**0.300**	**0.620**	--	
G-4	8/20/2018	436.62	11.23	--	425.39	**0.400**	**0.19 J**	**3.90**	**0.14 J**	**0.81 / 0.83**	**0.055 / 0.053**	**0.22 / 0.20**	**0.27 / 0.24**	--	
G-4	7/10/2019	436.81	13.45	0.00	423.36	**1.00**	**0.510**	**3.8 J**	**0.510**	**1.8 D**	**0.008**	**0.65 D**	**0.83 D**	--	Depth to water taken from well survey dated July 25, 2019
G-4	6/25/2020	436.81	11.55	0.00	425.26	**1.56**	**1.16**	**7.52**	<0.888	**2.65**	**0.382**	**0.624**	**2.01**	--	Depth to water taken during gauging event on 6/23/2020
G-4	7/16/2021	436.81	13.37	0.00	423.44	--	--	--	--	--	--	--	--	--	Well frozen could not get pump down well
G-4	7/14/2022	436.81	11.52	0.00	425.29	--	--	--	--	--	--	--	--	--	Well obstructed. Could not sample.
G-5	1/30/1982	98.39	13.78	--	84.61	--	--	--	--	--	--	--	--	--	
G-5	2/22/1994	430.19	--	--	--	--	--	**120**	--	**4.20**	**26.0**	**4.80**	**3.09**	--	
G-5	8/1/1994	430.19	10.93	--	419.26	--	--	--	--	--	--	--	--	--	
G-5	9/28/1994	430.19	12.84	--	417.35	--	--	--	--	--	--	--	--	--	
G-5	1/4/1995	430.19	13.56	--	416.63	--	--	--	--	--	--	--	--	--	
G-5	6/27/1995	430.19	11.68	--	418.51	--	--	--	--	**3.90**	**32.0**	**6.60**	**33.0**	--	
G-5	9/18/1995	430.19	10.14	--	420.05	--	--	--	--	**5.10**	**32.0**	**4.70**	**26.0**	--	
G-5	12/12/1995	430.19	12.79	--	417.40	--	--	--	--	**3.9 [3.8]**	**31 [31]**	**6.9 [6.3]**	**24 [30.1]**	--	
G-5	3/5/1996	430.19	13.51	--	416.68	--	--	**280 [190]**	--	**4.4 [4.5]**	**24 [25]**	**5 [5]**	**26 [26]**	--	
G-5	5/30/1996	430.19	12.78	--	417.41	--	--	--	--	**3.90**	**28.7**	**6.07**	**32.0**	--	
G-5	9/17/1996	430.19	12.80	--	417.39	--	--	--	--	**5.93**	**33.3**	**4.98**	**25.0**	--	
G-5	12/11/1996	430.19	13.64	--	416.55	--	--	**109**	--	**2.39**	**19.9**	**4.11**	**19.0**	--	
G-5	3/13/1997	430.19	14.43	--	415.76	--	--	**122 [89.8]**	--	**2.23 [1.85]**	**17.6 [14.4]**	**4.98 [3.27]**	**24 [17]**	--	
G-5	6/5/1997	430.19	13.70	--	416.49	--	--	**125**	--	**3.82**	**27.5**	**5.16**	**26.0**	--	
G-5	9/18/1997	430.19	11.87	--	418.32	--	--	**133**	--	**5.53**	**38.5**	**4.89**	**26.0**	--	
G-5	12/11/1997	430.19	14.11	--	416.08	--	--	**73.5**	--	**0.001**	**12.7**	**3.64**	**16.0**	--	
G-5	3/25/1998	430.19	14.70	--	415.49	--	--	**48.8**	--	**0.742**	**4.89**	**2.03**	**13.0**	--	
G-5	6/11/1998	430.19	13.99	--	416.20	--	--	**709**	--	***<1.25***	**12.8**	**9.08**	**50.0**	--	
G-5	9/22/1998	430.19	12.26	--	417.93	--	--	**82.0**	--	**1.39**	**15.7**	**3.47**	**21.0**	--	
G-5	12/21/1998	430.19	14.02	--	416.17	--	--	**71.8**	--	**1.12**	**12.7**	**3.93**	**18.0**	--	
G-5	3/18/1999	430.19	14.24	--	415.95	--	--	**71.8**	--	**0.601**	**8.76**	**3.98**	**19.0**	--	
G-5	6/30/1999	430.19	12.59	--	417.60	--	--	**49.8**	--	**0.586**	**7.07**	**1.79**	**9.00**	--	
G-5	9/29/1999	430.19	13.11	--	417.08	--	--	**94.1**	--	**0.665**	**10.8**	**3.08**	**4.00**	--	
G-5	12/21/1999	430.19	13.89	--	416.30	--	--	**65.9**	--	**0.617**	**0.010**	**3.47**	**16.0**	--	
G-5	3/28/2000	430.19	14.86	--	415.33	--	--	**35.3**	--	**0.213**	**2.00**	**1.56**	**7.23**	--	

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D = The sample result reported from dilution

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
RRO = Total petroleum hydrocarbons, residual range oraganics by LUFT GC/MS according to Alaska Series Method AK102/103
Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
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GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-5	6/27/2000	430.19	11.56	--	418.63	--	--	**78.9**	--	**1.06**	**13.3**	**2.97**	**17.8**	--	
G-5	9/26/2000	430.19	10.53	--	419.66	--	--	**81.2**	--	**0.847**	**11.4**	**2.74**	**21.5**	--	
G-5	12/19/2000	430.19	13.07	--	417.12	--	--	**128**	--	**0.909**	**15.9**	**4.72**	**26.9**	--	
G-5	3/30/2001	430.19	14.05	--	416.14	--	--	**65.9**	--	**0.273**	**8.12**	**3.04**	**16.1**	--	
G-5	6/27/2001	430.19	12.43	--	417.76	--	--	**102**	--	**0.515**	**15.7**	**3.83**	**22.2**	--	
G-5	9/19/2001	430.19	11.69	--	418.50	--	--	**87.9**	--	**0.443**	**13.6**	**3.66**	**23.6**	--	
G-5	12/12/2001	430.19	13.82	--	416.37	--	--	**70.1**	--	**0.254**	**11.4**	**3.47**	**18.3**	--	
G-5	3/27/2002	430.19	14.10	--	416.09	--	--	**56.9**	--	**0.129**	**5.11**	**2.58**	**13.2**	--	
G-5	6/25/2002	430.19	11.37	--	418.82	--	--	**70.0**	--	**0.172**	**7.96**	**2.68**	**15.6**	--	
G-5	9/28/2002	430.19	11.05	--	419.14	--	--	**27.5**	--	**0.047**	**0.898**	**0.437**	**2.85**	--	
G-5	12/17/2002	430.19	12.39	--	417.80	--	--	**101**	--	**0.145**	**9.96**	**3.74**	**21.0**	--	
G-5	4/8/2003	430.19	12.12	--	418.07	--	--	**98.0**	--	**0.150**	**8.20**	**3.40**	**21.0**	--	
G-5	6/24/2003	430.19	12.57	--	417.62	--	--	**100**	--	**0.072**	**9.70**	**3.80**	**25.0**	--	
G-5	9/16/2003	430.19	9.30	--	420.89	--	--	**19.0**	--	**0.028**	**0.760**	**0.360**	**4.00**	--	
G-5	12/22/2003	430.19	12.18	--	418.01	--	--	**100**	--	***<0.100***	**7.00**	**3.50**	**22.0**	--	
G-5	3/24/2004	430.19	14.01	--	416.18	--	--	**94.0**	--	***<0.1000***	**5.80**	**2.60**	**15.0**	--	
G-5	6/21/2004	430.19	11.46	--	418.73	--	--	**90.0**	--	**0.190**	**6.20**	**2.80**	**19.0**	--	
G-5	9/29/2004	430.19	12.80	--	417.39	--	--	**110**	--	**0.140**	**6.40**	**3.40**	**21.0**	--	
G-5	12/2/2004	430.19	13.98	--	416.21	**26.0**	--	**97.0**	**3.40**	**0.120**	**6.00**	**3.20**	**17.0**	--	
G-5	4/7/2005	430.19	14.11	--	416.08	**5.30**	--	**53.0**	**0.530**	**0.048**	**3.00**	**2.00**	**8.80**	--	
G-5	6/27/2005	430.19	10.52	--	419.67	**7.00**	--	**76.0**	**1.10**	**0.100**	**4.20**	**2.80**	**16.0**	--	
G-5	9/23/2005	430.19	11.67	--	418.52	**8.10**	--	**65.0**	<1.0	**0.074**	**3.40**	**2.50**	**16.0**	--	
G-5	12/7/2005	430.19	13.40	--	416.79	**8.50**	--	**80.0**	--	**0.071**	**3.70**	**3.00**	**17.0**	<0.0630	
G-5	3/30/2006	430.19	14.75	--	415.44	--	--	**50.0**	--	**0.050**	**2.20**	**1.80**	**9.90**	<0.100	
G-5	6/8/2006	430.19	12.50	--	417.69	**3.90**	--	**53.0**	--	**0.077**	**2.60**	**2.10**	**14.0**	--	
G-5	9/27/2006	98.39	12.45	--	85.94	**7.30**	--	**83.0**	--	**0.072**	**3.40**	**3.30**	**21.0**	--	
G-5	12/20/2006	98.39	13.91	--	84.48	**4.40**	--	**66.0**	--	**0.056**	**3.70**	**2.60**	**16.0**	--	
G-5	3/31/2007	98.39	14.79	--	83.60	**2.00**	--	**40.0**	<0.20	**0.090**	**2.00**	**1.80**	**9.10**	--	
G-5	6/10/2007	98.39	13.17	--	85.22	**1.90**	--	**34.0**	<0.0940	***<1.0000***	**2.10**	**1.50**	**7.60**	--	
G-5	9/15/2007	98.39	11.82	--	86.57	**12.0**	--	**55.0**	--	**0.080**	**2.10**	**2.10**	**15.0**	--	
G-5	1/30/2008	98.39	13.78	--	84.61	**6.1 [6.4]**	--	--	--	***<0.0400 [<0.0500]***	**1.8 [1.5]**	**1.8 [1.4]**	**9.3 [7.7]**	--	BTEX by SW-846 8021B
G-5	3/26/2008	98.39	14.40	--	83.99	**3.26**	--	**31.0**	<0.7430	**0.008**	**1.56**	**1.38**	**6.87**	--	
G-5	6/30/2008	98.39	12.57	--	85.82	**11.0**	--	**36.0**	***<49***	***<0.0500***	**0.900**	**1.30**	**8.40**	--	
G-5	7/8/2008	98.39	12.58	--	85.81	**12.0**	--	**44.0**	--	***<0.0500***	**0.900**	**1.60**	**11.0**	--	
G-5	8/7/2008	98.39	9.94	--	88.45	**2.80**	--	**26.0**	--	***<0.0400***	**0.400**	**1.20**	**7.80**	--	
G-5	9/9/2008	98.39	11.32	--	87.07	**2.40**	--	**23.0**	<0.50	**0.030**	**0.300**	**0.900**	**6.30**	--	
G-5	12/12/2008	98.39	13.82	--	84.57	--	--	--	--	--	--	--	--	--	
G-5	1/13/2009	98.39	13.97	--	84.42	**3.50**	--	**23.0**	***<24***	***<0.1***	**0.400**	**1.40**	**6.90**	--	
G-5	5/13/2009	98.39	13.18	--	85.21	**0.900**	--	**7.10**	***<5.1***	***<0.01***	**0.110**	**0.290**	**1.90**	--	
G-5	10/1/2009	435.28	12.71	--	422.57	**3.10**	--	**48.0**	***<4.9***	***<0.1***	**0.400**	**2.20**	**13.0**	--	
G-5	6/17/2010	435.28	13.86	--	421.42	**3.50**	--	**11.0**	--	***<0.0200***	**0.069**	**0.510**	**3.50**	--	
G-5	9/25/2010	435.28	12.29	--	422.99	**12.0**	--	**43 [44]**	**1.40**	***<0.0500 [<0.0200]***	**0.14 [0.15]**	**1.9 [1.9]**	**9.5 [9.6]**	--	BTEX by SW-846 8021B
G-5	6/9/2011	435.28	12.99	--	422.29	**6.00**	--	**40 [40]**	***<4.7***	**0.034 [<0.0400]**	**0.082 [0.073]**	**1.6 [1.6]**	**12 [13]**	--	BTEX by SW-846 8021B
G-5	9/20/2011	435.28	11.71	--	423.57	**10.0**	--	**49.0**	***<4.7***	**0.044**	**0.057**	**2.00**	**11.0**	--	
G-5	6/12/2012	435.28	12.10	--	423.18	**19.0**	**9.20**	**46.0**	***<5.1***	***<0.0630***	**0.035**	**1.80**	**11.0**	--	

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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-5	10/2/2012	435.29	12.71	--	422.58	**12.0**	**6.90**	**32.0**	***<1.3***	***<0.0750***	**0.021**	**1.70**	**10.0**	--	
G-5	6/11/2013	435.29	11.48	--	423.81	**3.2 [3.8]**	**2.00**	**15.2 [3.76]**	<0.42 ***[<1.2]***	<0.000240 [<0.00100]	**0.0033 [0.0012]**	**0.4670 [0.0983]**	**2.83 [0.541]**	--	
G-5	10/10/2013	435.29	12.69	--	422.60	**11.0**	**6.90**	**44.3**	<0.43	***<0.02000***	<0.02000	**1.73**	**11.6**	--	
G-5	6/30/2014	435.29	11.09	--	424.20	**10.6**	**6.40**	**35.9**	**0.640**	***<0.00500***	**0.006**	**1.31**	**8.99**	--	
G-5	9/16/2015	435.29	10.82	--	424.47	**2.5 [2.1]**	--	**1.1 [0.78]**	**0.40 [0.40]**	<0.001 [<0.001]	<0.001[<0.001]	**0.018 J[0.009]**	**0.17 J[0.076]**	--	
G-5	8/3/2016	435.29	9.02	--	426.27	**3.2 [3.3]**	**1.7 [1.9]**	**11 [11]**	<0.27 **[0.081 J]**	***<0.01 [<0.01]***	<0.01 [<0.01]	**0.34 [0.37]**	**2.3 [2.4]**	--	
G-5	9/19/2017	435.09	11.50	--	423.59	**14.0**	**6.0 J**	**23.0**	***<2.7***	**0.022**	**1.10**	**0.870**	**5.10**	--	
G-5	8/20/2018	435.09	9.79	--	425.30	<0.25 J **[0.96 J]**	<0.25 J **[0.71 J]**	**1.3 J [2.3 J]**	<0.25 [<0.26]	**0.014**	**0.050**	**0.071**	**0.450**	--	
G-5	7/10/2019	435.28	11.91	0.00	423.37	**3.50**	**3.00**	**27 J**	**0.300**	**0.1 J**	**0.240**	**1.30**	**11.2 D**	--	Depth to water taken from well survey dated July 25, 2019
G-5	6/25/2020	435.28	9.97	0.00	425.31	<1.14 **[0.313 J]**	**0.359 J [0.286 J]**	**0.694 [0.830]**	***<1.14*** [<0.800]	<0.0100 [<0.00100]	<0.0100 **[0.000590 J]**	**0.0617 J [0.0322 J]**	**0.529 J [0.335 J]**	--	Depth to water taken during gauging event on 6/23/2020
G-5	7/16/2021	435.28	11.87	0.00	423.41	**3.51 J**	**2.45**	**14.9**	<0.800 J	**0.058**	**0.093**	**0.434**	**4.47**	--	
G-5	7/14/2022	435.28	10.02	0.00	425.26	**7.58**	**3.42**	**13.1**	<0.800	**0.0464 J**	**0.0608 J**	**0.351**	**3.79**	--	
G-6	8/2/1994	430.40	11.00	--	419.40	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
G-6	3/18/1999	430.40	14.32	--	416.08		--	<0.0005	--	<0.0005	<0.0005	<0.0005	<0.001		
G-6	6/27/2000	430.40	11.71	--	418.69	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
G-6	3/27/2002	430.40	--	--	--	--	--	--	--	--	--	--	--	--	Removed from Monitoring program and sampling program
G-6	3/28/2004	430.40	--	--	--	--	--	--	--	--	--	--	--	--	
G-6	9/26/2006	98.43	--	--	--	--	--	--	--	--	--	--	--	--	
G-7	2/22/1994	431.54	--	--	--	--	--	**0.780**	--	**0.240**	**0.002**	<0.001	**0.004**	--	
G-7	9/17/1996	431.54	14.20	--	417.34	--	--	--	--	**0.226**	**1.23**	**1.62**	**4.00**	--	
G-7	12/11/1996	431.54	15.12	--	416.42	--	--	**363**	--	**0.350**	**3.79**	**2.31**	**7.95**	--	
G-7	3/13/1997	431.54	15.86	--	415.68	--	--	**655**	--	**2.78**	**36.6**	**12.2**	**115**	--	
G-7	6/5/1997	431.54	15.10	--	416.44	--	--	**77.9**	--	**1.57**	**6.89**	**3.42**	**20.3**	--	
G-7	9/18/1997	431.54	13.27	--	418.27	--	--	**63.1**	--	**1.43**	**7.15**	**1.92**	**24.0**	--	
G-7	12/11/1997	431.54	15.50	--	416.04	--	--	**100**	--	**1.41**	**7.88**	**3.68**	**39.6**	--	
G-7	3/25/1998	431.54	16.10	--	415.44	--	--	**73.7**	--	**2.99**	**5.87**	**2.22**	**23.6**	--	
G-7	6/11/1998	431.54	15.40	--	416.14	--	--	**37.9**	--	**1.62**	**2.72**	**2.41**	**12.3**	--	
G-7	9/22/1998	431.54	13.73	--	417.81	--	--	**31.7**	--	**0.531**	**1.24**	**1.31**	**11.5**	--	
G-7	12/21/1998	431.54	15.45	--	416.09	--	--	**119**	--	**0.675**	**0.323**	**1.33**	**32.8**	--	
G-7	9/28/1999	431.54	--	--	--	--	--	**11.0**	--	**0.151**	**0.011**	**0.850**	**1.47**	--	
G-7	12/21/1999	431.54	15.31	--	416.23	--	--	**0.244**	--	**0.397**	**0.285**	**1.14**	**7.65**	--	
G-7	3/28/2000	431.54	16.27	--	415.27	--	--	**30.5**	--	**0.418**	<0.050	**1.17**	**5.48**	--	
G-7	6/27/2000	431.54	13.00	--	418.54	--	--	**12.6**	--	**0.162**	<0.025	**1.47**	**1.56**	--	
G-7	9/26/2000	431.54	11.94	--	419.60	--	--	**35.8**	--	**0.077**	**0.303**	**0.540**	**11.9**	--	
G-7	12/19/2000	431.54	14.49	--	417.05	--	--	**12.8**	--	**0.112**	**0.026**	**0.803**	**1.85**	--	
G-7	3/30/2001	431.54	15.49	--	416.05	--	--	**41.9**	--	**0.099**	**0.150**	**0.600**	**6.77**	--	
G-7	6/27/2001	431.54	14.00	--	417.54	--	--	**13.3**	--	**0.115**	<0.025	**1.19**	**1.94**	--	
G-7	9/19/2001	431.54	12.88	--	418.66	--	--	**2.77**	--	**0.011**	**0.004**	**0.183**	**0.391**	--	
G-7	12/12/2001	431.54	15.22	--	416.32	--	--	**4.16**	--	**0.042**	<0.0005	**0.470**	**0.616**	--	
G-7	3/27/2002	431.54	15.60	--	415.94	--	--	**9.91**	--	**0.212**	<0.005	**0.945**	**1.98**	--	
G-7	6/25/2002	431.54	12.78	--	418.76	--	--	**4.60**	--	**0.021**	<0.005	**0.806**	**0.778**	--	
G-7	9/28/2002	431.54	12.46	--	419.08	--	--	**1.87**	--	**0.011**	<0.001	**0.161**	**0.269**	--	
G-7	12/17/2002	431.54	13.82	--	417.72	--	--	**6.81**	--	**0.072**	<0.005	**0.779**	**0.995**	--	

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-7	4/8/2003	431.54	13.57	--	417.97	--	--	**11.0**	--	**0.160**	**0.015**	**1.00**	**1.40**	--	
G-7	6/24/2003	431.54	14.01	--	417.53	--	--	**7.50**	--	**0.130**	<0.005	**0.930**	**0.830**	--	
G-7	9/16/2003	431.54	10.72	--	420.82	--	--	**2.80**	--	**0.013**	**0.002**	**0.085**	**0.460**	--	
G-7	12/22/2003	431.54	13.64	--	417.90	--	--	**23.0**	--	**0.074**	**0.043**	**0.800**	**3.80**	--	
G-7	3/24/2004	431.54	15.42	--	416.12	--	--	**28.0**	--	**0.230**	**0.077**	**1.40**	**6.10**	--	
G-7	6/21/2004	431.54	13.00	--	418.54	--	--	**13.0**	--	**0.090**	**0.020**	**1.30**	**1.60**	--	
G-7	9/29/2004	431.54	14.18	--	417.36	--	--	**7.40**	--	**0.042**	**0.006**	**0.640**	**0.970**	--	
G-7	12/2/2004	431.54	15.40	--	416.14	**3.40**	--	**8.70**	**0.940**	**0.054**	**0.031**	**0.810**	**0.970**	--	
G-7	4/7/2005	431.54	15.55	--	415.99	**6.50**	--	**16.0**	**1.70**	**0.130**	**0.010**	**1.50**	**1.70**	--	
G-7	6/27/2005	431.54	11.96	--	419.58	**4.10**	--	**17.0**	**0.910**	**0.067**	**0.006**	**1.70**	**1.80**	--	
G-7	9/23/2005	431.54	13.05	--	418.49	**6.30**	--	**4.10**	<0.4200	**0.018**	**0.008**	**0.360**	**0.930**	--	
G-7	12/7/2005	431.54	14.81	--	416.73	**9.70**	--	**8.40**	--	**0.046**	**0.004**	**0.860**	**0.440**	<0.0100	
G-7	3/30/2006	431.54	16.11	--	415.43	--	--	**40.0**	--	**0.370**	**0.140**	**1.00**	**6.70**	<0.100	
G-7	6/8/2006	431.54	14.02	--	417.52	**4.10**	--	**11.0**	--	**0.084**	**0.007**	**1.30**	**0.860**	--	
G-7	9/26/2006	99.65	13.74	--	85.91	**6.10**	--	**5.00**	--	**0.031**	**0.003**	**0.610**	**0.600**	--	
G-7	12/20/2006	99.65	15.24	--	84.41	**6.50**	--	**5.90**	--	**0.050**	<0.0050	**0.860**	**0.480**	--	
G-7	3/31/2007	99.65	16.10	--	83.55	**4.20**	--	**8.40**	**0.840**	**0.400**	<0.0050	**0.800**	**0.800**	--	
G-7	6/10/2007	98.43	14.59	--	83.84	**2.90**	--	**9.10**	<0.0940	**0.400**	**0.020**	**1.10**	**0.900**	--	
G-7	9/15/2007	98.43	13.15	--	85.28	**2.30**	--	**2.70**	--	***<0.0100***	**0.100**	**0.100**	**0.900**	--	
G-7	3/26/2008	98.43	15.74	--	82.69	**7.67 [7.63]**	--	**8.38 [8.52]**	**1.02 [1.05]**	**0.336 [0.342]**	<0.0250 **[0.00298]**	**0.935 [0.896]**	**1 [0.969]**	--	BTEX by SW-846 8021B
G-7	6/6/2008	98.43	14.55	--	83.88	--	--	--	--	--	--	--	--	--	
G-7	7/8/2008	98.43	14.00	--	84.43	**2.70**	--	**10.0**	--	**0.400**	**0.600**	**0.600**	**1.90**	--	
G-7	8/7/2008	98.43	11.41	--	87.02	**1.90**	--	**6.90**	--	**0.300**	**0.090**	**0.700**	**1.20**	--	
G-7	9/9/2008	98.43	12.66	--	85.77	**0.630**	--	<0.01	**0.380**	<0.001	<0.001	<0.001	<0.002	--	
G-7	12/12/2008	98.43	15.19	--	83.24	**1.50**	--	--	***<25***	--	--	--	--	--	
G-7	1/13/2009	98.43	15.33	--	83.10	**3.20**	--	**7.60**	**0.670**	**0.400**	<0.01	**1.00**	**1.40**	--	
G-7	5/13/2009	98.43	14.64	--	83.79	**2.40**	--	**9.80**	***<12***	**0.340**	**0.013**	**1.30**	**0.800**	--	
G-7	10/2/2009	436.57	14.05	--	422.52	**1.30**	--	**5.30**	**0.260**	**0.130**	**0.007**	**0.680**	**0.670**	--	
G-7	4/20/2010	--	--	--	--	--	--	**3.40**	--	**0.290**	**0.049**	**0.380**	**0.620**	--	
G-7	6/16/2010	436.57	13.10	--	423.47	**2.60**	--	**17.0**	--	**0.660**	**1.20**	**1.10**	**3.20**	--	
G-7	9/25/2010	436.57	13.63	--	422.94	**3.90**	--	**4.4 [4.8]**	**0.560**	**0.15 [0.16]**	**0.0018 [0.002]**	**0.35 [0.38]**	**0.46 [0.49]**	--	BTEX by SW-846 8021B
G-7	6/9/2011	436.57	14.40	--	422.17	**2.10**	--	**3.70**	**0.820**	**0.100**	<0.01	**0.530**	**0.350**	--	
G-7	9/20/2011	436.57	13.03	--	423.54	**1.60**	--	**3.20**	***<1.3***	**0.027**	**0.002**	**0.230**	**0.230**	--	
G-7	6/12/2012	436.57	13.56	--	423.01	**2.30**	**0.800**	**4.70**	**0.340**	**0.180**	**0.003**	**0.660**	**0.360**	--	
G-7	10/2/2012	436.57	14.06	--	422.51	**2.90**	**1.40**	**3.00**	**0.38 J**	**0.032**	**0.0015 J**	**0.320**	**0.200**	--	
G-7	6/10/2013	436.57	12.92	--	423.65	--	--	--	--	--	--	--	--	--	
G-7	10/10/2013	436.57	14.03	--	422.54	**1.50**	**0.780**	**2.29**	<0.43	**0.046**	<0.00200	**0.167**	**0.114**	--	
G-7	6/30/2014	436.57	12.52	--	424.05	**1.5 [1.4]**	**0.84 [0.79]**	**4.41 [4.46]**	**0.62 [0.57]**	**0.1280 [0.123]**	**0.0252 [0.0254]**	**0.8180 [0.781]**	**0.307 [0.318]**	--	
G-7	8/3/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	
G-7	9/19/2017	436.57	12.71	--	423.86	**0.17 J**	**0.054 J**	**0.200**	**0.11 J**	**0.026**	<0.001	**0.010**	**0.004**	--	
G-7	8/20/2018	436.39	10.98	--	425.41	**0.550**	**0.12 J**	**1.40**	**0.650**	**0.290**	**0.0002 J**	**0.150**	**0.012**	--	
G-7	7/10/2019	436.58	13.25	0.00	423.33	**0.340**	<0.11	<0.25 J	**0.370**	**0.005**	<0.0020	**0.0026 J**	<0.0050	--	Depth to water taken from well survey dated July 25, 2019
G-7	6/23/2020	436.58	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed at 5.7 ft. Unknown obstruction
G-7	7/16/2021	436.58	13.15	0.00	423.43	<0.800 B	<0.800 B	<0.100	<0.800	<0.00100	<0.00100	<0.00100	<0.00300	--	
G-7	7/14/2022	436.39	11.28	0.00	425.11	--	--	--	--	--	--	--	--	--	Well obstructed. Could not sample.

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
BD= Duplicate Sample
GW Elev = Groundwater elevation
mg/L = Milligrams per liter
LNAPL = Light non-aqueous phase liquid
-- = Not analyzed/ Not available
<0.800 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Reported detection limit (RDL)
Bold and Shaded= Value exceeds ADEC Groundwater Cleanup Level
Bold and Italicized : Constituent considered non-detect, however Laboratory RDL is greater tha the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The sample result reported from dilution

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
RRO = Total petroleum hydrocarbons, residual range oraganics by LUFT GC/MS according to Alaska Series Method AK102/103
Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-8	9/26/2006	99.12	13.21	--	85.91	--	--	**21.0**	--	**0.072**	**0.070**	**0.720**	**4.00**	--	
G-8	12/20/2006	99.12	14.67	--	84.45	**3.20**	--	**5.00**	--	**0.050**	**0.005**	**0.180**	**0.520**	--	
G-8	3/31/2007	99.12	15.56	--	83.56	**2.40**	--	**12.0**	<0.2100	**0.100**	**0.030**	**0.500**	**1.90**	--	
G-8	6/10/2007	99.12	14.01	--	85.11	**1.90**	--	**19.0**	**0.054**	**2.10**	**0.060**	**1.20**	**2.00**	--	
G-8	9/15/2007	99.12	12.76	--	86.36	**2.30**	--	**3.10**	--	**0.300**	<0.0100	**0.200**	**0.500**	--	
G-8	1/30/2008	99.12	14.59	--	84.53	**2.60**	--	--	--	**0.400**	**0.040**	**0.600**	**1.30**	--	
G-8	3/26/2008	99.12	15.18	--	83.94	**4.55**	--	**13.8**	**0.899**	**0.630**	**0.233**	**0.719**	**2.10**	--	
G-8	6/6/2008	99.12	14.00	--	85.12	--	--	--	--	--	--	--	--	--	
G-8	7/8/2008	99.12	13.43	--	85.69	**1.50**	--	**5.50**	--	**0.300**	**0.090**	**0.200**	**0.800**	--	
G-8	8/7/2008	99.12	10.83	--	88.29	**0.620**	--	**3.50**	--	**0.090**	**0.030**	**0.200**	**0.700**	--	
G-8	9/9/2008	99.12	12.11	--	87.01	**1.80**	--	**11.0**	<0.26	**0.600**	**0.400**	**0.400**	**1.60**	--	
G-8	12/12/2008	99.12	14.62	--	84.50	--	--	--	--	--	--	--	--	--	
G-8	1/13/2009	99.12	14.78	--	84.34	**2.70**	--	**5.10**	**1.10**	**0.500**	**0.040**	**0.500**	**0.800**	--	
G-8	5/12/2009	99.12	14.04	--	85.08	**0.680**	--	**3.30**	**0.150**	**0.340**	**0.015**	**0.220**	**0.300**	--	
G-8	10/2/2009	436.03	13.44	--	422.59	**0.350**	--	**0.095**	**0.400**	**0.003**	<0.002	**0.001**	**0.003**	--	
G-8	4/20/2010	--	--	--	--	--	--	**0.670**	--	**0.001**	**0.004**	**0.004**	**0.130**	--	
G-8	6/16/2010	436.03	14.16	--	421.87	**1.00**	--	**0.280**	**0.350**	**0.002**	<0.00050	**0.005**	**0.041**	--	
G-8	9/25/2010	436.03	13.07	--	422.96	**0.610**	--	**0.086**	**0.570**	<0.002	<0.002	<0.002	**0.030**	--	
G-8	6/9/2011	436.03	13.84	--	422.19	**1.30**	--	**2.2 [2.7]**	**0.470**	**0.31 [0.3]**	**0.0011 [0.0015]**	**0.057 [0.068]**	**0.15 [0.25]**	--	BTEX by SW-846 8021B
G-8	9/20/2011	436.03	12.52	--	423.51	**1.70**	--	**3.20**	***<2.4***	**0.130**	**0.002**	**0.045**	**0.720**	--	
G-8	6/12/2012	436.03	13.00	--	423.03	**1.7 [1.2]**	**0.610**	**4.7 [4.7]**	**0.44 [0.24]**	**0.340**	**0.002**	**0.390**	**0.250**	--	
G-8	10/2/2012	436.03	13.50	--	422.53	**0.480**	<0.24	**0.0260 J**	**0.17J**	**0.006**	<0.002	<0.002	<0.005	--	
G-8	6/11/2013	436.03	12.32	--	423.71	**1.90**	**0.990**	**4.33**	<0.50	**0.227**	**0.006**	**0.405**	**0.402**	--	
G-8	10/10/2013	436.03	13.46	--	422.57	**0.580**	<0.4300	<0.5000	**0.440**	**0.012**	<0.00100	<0.00100	<0.00300	--	
G-8	6/30/2014	436.03	11.94	--	424.09	**2.90**	**1.90**	**8.05**	<0.40	**0.239**	**0.006**	**0.676**	**1.15**	--	
G-8	9/16/2015	436.03	11.69	--	424.34	**2.60**	--	**2.30**	**1.80**	**0.200**	**0.002**	**0.140**	**0.120**	--	
G-8	8/3/2016	436.03	9.39	--	426.64	**4.40**	**1.30**	**21.0**	***<1.3***	**1.50**	**1.10**	**0.650**	**2.40**	--	
G-8	9/19/2017	435.81	12.13	--	423.68	**0.450**	<0.25 J	**0.160**	**0.20 J**	**0.007**	<0.001	**0.011**	**0.017**	--	
G-8	8/20/2018	435.84	10.48	--	425.36	**0.370**	<0.27 J	**0.096 J**	**0.25 J**	**0.008**	<0.001	**0.004**	**0.001 J**	--	
G-8	7/10/2019	436.03	12.65	0.00	423.38	**0.580**	<0.11	<0.25 J	**0.690**	<0.0030	<0.0020	<0.0030	<0.0050	--	Depth to water taken from well survey dated July 25, 2019
G-8	6/23/2020	436.03	--	--	--	--	--	--	--	--	--	--	--	--	Could not open due to seized bolts
G-8	7/16/2021	436.03	12.57	0.00	423.46	<0.800 B [<0.800 B]	<0.800 B [<0.800 B]	<0.100 B [<0.100 B]	<0.800 [<0.800]	**0.000397 J [0.000344 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	--	
G-8	7/14/2022	436.03	10.73	0.00	425.30	**0.322 J [0.452 J]**	**0.322 J [0.452 J]**	<0.100 B [<0.112 B]	<0.800 B [<0.800 B]	**0.000715 J [0.000831 J]**	<0.00100 [<0.00100]	**0.00215 [0.00305]**	<0.00300 B **[0.00363]**	--	
G-9	9/26/2006	98.78	12.87	--	85.91	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
G-9	12/20/2006	98.78	14.33	--	84.45	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
G-9	3/31/2007	98.78	15.24	--	83.54	--	--	<0.0100 [<0.0100]	--	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0020 [<0.0020]	--	
G-9	6/10/2007	98.78	13.63	--	85.15	--	--	<0.0100	--	**0.002**	<0.0010	<0.0010	<0.0020	--	
G-9	9/15/2007	98.78	12.20	--	86.58	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
G-9	3/26/2008	98.78	14.81	--	83.97	**0.223**	--	<0.0500	<0.7430	**0.009**	<0.00050	<0.00050	<0.0010	--	
G-9	9/9/2008	98.78	11.73	--	87.05	**0.200**	--	<0.01	--	<0.001	<0.001	<0.001	<0.002	--	
G-9	5/11/2009	98.78	13.70	--	85.08	**0.066**	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
G-9	10/2/2009	435.67	13.14	--	422.53	**0.059**	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
G-9	6/16/2010	435.67	13.50	--	422.17	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
G-9	9/25/2010	435.67	12.72	--	422.95	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	

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DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
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Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
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ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
G-9	6/8/2011	435.67	13.50	--	422.17	--	--	--	--	--	--	--	--	--	
G-9	9/19/2011	435.67	12.19	--	423.48	--	--	--	--	--	--	--	--	--	
G-9	6/11/2012	435.67	12.68	--	422.99	--	--	--	--	--	--	--	--	--	
G-9	10/2/2012	435.69	13.19	--	422.50	--	--	--	--	--	--	--	--	--	
G-9	6/10/2013	435.69	12.06	--	423.63	--	--	--	--	--	--	--	--	--	
G-9	10/10/2013	435.69	13.17	--	422.52	--	--	--	--	--	--	--	--	--	
G-9	6/29/2014	435.69	11.66	--	424.03	--	--	--	--	--	--	--	--	--	
G-9	9/16/2015	435.60	11.39	--	424.21	--	--	--	--	--	--	--	--	--	
G-9	8/3/2016	435.60	9.03	--	426.57	--	--	--	--	--	--	--	--	--	
G-9	9/19/2017	435.45	11.88	--	423.57	--	--	--	--	--	--	--	--	--	
G-9	8/20/2018	435.42	10.16	--	425.26	--	--	--	--	--	--	--	--	--	
G-9	7/10/2019	435.84	12.27	0.00	423.57	--	--	--	--	--	--	--	--	--	Depth to water taken from well survey dated July 25, 2019
G-9	6/24/2020	435.84	10.40	0.00	425.44	<0.800 J [<0.800 J]	<0.800 [<0.800]	**0.0122 J** [<0.100]	<0.800 J [<0.800 J]	**0.000343 J [0.000361 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.000176 J** [<0.00300]	--	Depth to water taken during gauging event on 6/23/2020
G-9	7/16/2021	435.84	12.28	0.00	423.56	<0.800 B	<0.800 B	<0.100	<0.800	<0.00100	<0.00100	<0.00100	<0.00300	--	
G-9	7/14/2022	435.84	10.45	0.00	425.39	<0.800	<0.800	<0.100	<0.800 B	<0.00100	<0.00100	<0.00100	<0.00300 B	--	
G-112	12/19/2000	--	--	--	--	--	--	**0.766**	--	**0.034**	<0.00093	**0.063**	**0.063**	--	
MW-20	12/12/2001	--	--	--	--	--	--	**0.593**	--	**0.047**	**0.001**	**0.080**	**0.019**	--	
MW-20	6/25/2002	--	--	--	--	--	--	**1.65**	--	**0.158**	<0.00250	**0.141**	**0.112**	--	
MW-21	9/19/2001	--	--	--	--	--	--	**0.188**	--	**0.009**	<0.0005	**0.010**	**0.013**	--	
MW-30	3/28/2000	--	--	--	--	--	--	**8.37**	--	**0.330**	**0.108**	**0.993**	**1.38**	--	
MW-30	6/27/2000	--	--	--	--	--	--	**2.78**	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-31	3/29/2000	--	--	--	--	--	--	**4.57**	--	**2.07**	<0.005	**0.230**	**0.011**	--	
MW-31	6/28/2000	--	--	--	--	--	--	**0.072**	--	**0.028**	**0.001**	<0.0005	<0.001	--	
MW-31	9/26/2000	--	--	--	--	--	--	**2.02**	--	**0.053**	**0.067**	**0.193**	**0.223**	--	
MW-32	9/27/2000	--	--	--	--	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	**0.001**	--	
MW-40	12/19/2000	--	--	--	--	--	--	**0.871**	--	**0.038**	<0.00097	**0.073**	**0.070**	--	
MW-40	6/29/2001	--	--	--	--	--	--	**3.99**	--	**0.082**	<0.005	**0.266**	**0.434**	--	
MW-40	3/27/2002	--	--	--	--	--	--	**3.55**	--	**0.126**	**0.008**	**0.323**	**0.337**	--	
MW-41	12/20/2000	--	--	--	--	--	--	<0.050	--	**0.015**	<0.0005	<0.0005	<0.001	--	
MW-41	6/28/2001	--	--	--	--	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-41	3/27/2002	--	--	--	--	--	--	**0.148**	--	**0.059**	<0.0005	<0.0005	<0.001	--	
MW-207	2/22/1994	--	--	--	--	--	--	**7.1**	--	**5.10**	**0.014**	**0.58**	**2.0**	--	
MW-208	2/22/1994	--	--	--	--	--	--	<0.050	--	<0.001	<0.001	<0.001	<0.001	--	

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
BD= Duplicate Sample
GW Elev = Groundwater elevation
mg/L = Milligrams per liter
LNAPL = Light non-aqueous phase liquid
-- = Not analyzed/ Not available
<0.800 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Reported detection limit (RDL)
Bold and Shaded= Value exceeds ADEC Groundwater Cleanup Level
Bold and Italicized : Constituent considered non-detect, however Laboratory RDL is greater tha the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The sample result reported from dilution

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
RRO = Total petroleum hydrocarbons, residual range oraganics by LUFT GC/MS according to Alaska Series Method AK102/103
Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-211	2/22/1994	430.48	--	--	--	--	--	<0.050	--	<0.001	<0.001	<0.001	<0.001	--	
MW-211	1/5/1995	430.48	14.10	--	416.38	--	--	--	--	**0.008**	<0.001	<0.001	<0.001	--	
MW-211	3/27/1995	430.48	16.64	--	413.84	--	--	--	--	**0.002**	<0.001	<0.001	<0.001	--	
MW-211	6/27/1995	430.48	12.74	--	417.74	--	--	--	--	**0.019**	<0.001	<0.001	<0.001	--	
MW-211	9/18/1995	430.48	10.25	--	420.23	--	--	--	--	**0.011**	<0.001	<0.001	<0.001	--	
MW-211	12/12/1995	430.48	12.60	--	417.88	--	--	--	--	**0.006**	<0.001	<0.001	<0.001	--	
MW-211	3/7/1996	430.48	13.62	--	416.86	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-211	5/30/1996	430.48	12.81	--	417.67	--	--	--	--	**0.006**	<0.0005	<0.0005	<0.001	--	
MW-211	9/16/1996	430.48	12.78	--	417.70	--	--	--	--	**0.002**	<0.0005	<0.0005	<0.001	--	
MW-211	12/12/1996	430.48	13.65	--	416.83	--	--	<0.050	--	**0.002**	<0.0005	<0.0005	<0.001	--	
MW-211	3/13/1997	430.48	14.50	--	415.98	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-211	6/6/1997	430.48	13.80	--	416.68	--	--	<0.050	--	**0.005**	<0.0005	<0.0005	<0.001	--	
MW-211	9/18/1997	430.48	11.85	--	418.63	--	--	<0.050	--	**0.005**	<0.0005	<0.0005	<0.001	--	
MW-211	12/12/1997	430.48	14.13	--	416.35	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-211	3/26/1998	430.48	14.75	--	415.73	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-211	6/11/1998	430.48	14.05	--	416.43	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-211	9/22/1998	430.48	12.15	--	418.33	--	--	<0.050	--	**0.007**	<0.0005	<0.0005	<0.001	--	
MW-211	12/21/1998	430.48	14.02	--	416.46	--	--	<0.050	--	**0.002**	<0.0005	<0.0005	**0.004**	--	
MW-211	9/28/1999	430.48	--	--	--	--	--	<0.050	--	**0.013**	<0.0005	<0.0005	<0.001	--	
MW-211	12/21/1999	430.48	14.01	--	416.47	--	--	<0.050	--	**0.004**	<0.0005	<0.0005	<0.001	--	
MW-211	3/29/2000	430.48	14.97	--	415.51	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-211	6/28/2000	430.48	11.74	--	418.74	--	--	<0.050	--	**0.005**	<0.0005	<0.0005	<0.001	--	
MW-211	9/26/2000	430.48	10.76	--	419.72	--	--	<0.050	--	**0.006**	<0.0005	<0.0005	<0.001	--	
MW-211	12/19/2000	430.48	13.10	--	417.38	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-211	3/30/2001	430.48	14.12	--	416.36	--	--	<0.050	--	**0.000**	<0.0005	<0.0005	<0.001	--	
MW-211	6/27/2001	430.48	12.62	--	417.86	--	--	<0.050	--	**0.000**	<0.0005	<0.0005	<0.001	--	
MW-211	9/19/2001	430.48	11.43	--	419.05	--	--	<0.050	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-211	3/27/2002	430.48	14.19	--	416.29	--	--	<0.050	--	**0.000**	<0.0005	<0.0005	<0.001	--	
MW-211	9/28/2002	430.48	11.00	--	419.48	--	--	<0.080	--	**0.001**	<0.0005	<0.0005	<0.001	--	
MW-211	4/7/2003	430.48	12.19	--	418.29	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-211	9/16/2003	430.48	9.30	--	421.18	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-211	3/23/2004	430.48	13.95	--	416.53	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-211	9/29/2004	430.48	12.66	--	417.82	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-211	4/6/2005	430.48	14.23	--	416.25	<0.0190	--	<0.0100	**0.032**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-211	9/22/2005	430.48	12.08	--	418.40	<0.0210	--	<0.0100	**0.027**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-211	3/29/2006	430.48	16.02	--	414.46	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
MW-211	3/30/2007	430.48	15.99	--	414.49	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-211	5/11/2009	430.48	12.23	--	418.25	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-211	10/1/2009	435.19	12.78	--	422.41	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-211	6/16/2010	435.19	12.80	--	422.39	--	--	--	--	--	--	--	--	--	
MW-211	9/25/2010	435.19	12.38	--	422.81	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-211	6/8/2011	435.19	13.24	--	421.95	--	--	--	--	--	--	--	--	--	
MW-211	9/19/2011	435.19	11.85	--	423.34	--	--	--	--	--	--	--	--	--	
MW-211	6/11/2012	435.19	12.40	--	422.79	--	--	--	--	--	--	--	--	--	
MW-211	10/2/2012	435.22	12.83	--	422.39	--	--	--	--	--	--	--	--	--	

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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-211	6/10/2013	435.22	12.14	--	423.08	--	--	--	--	--	--	--	--	--	
MW-211	10/10/2013	435.22	12.74	--	422.48	--	--	--	--	--	--	--	--	--	
MW-211	6/29/2014	435.22	11.34	--	423.88	--	--	--	--	--	--	--	--	--	
MW-211	9/16/2015	435.22	11.15	--	424.07	--	--	--	--	--	--	--	--	--	
MW-211	8/3/2016	435.22	8.89	--	426.33	--	--	--	--	--	--	--	--	--	
MW-211	9/19/2017	435.22								Monitoring Well Decommissioned (July 2017)					
MW-212	2/22/1994	--	--	--	--	--	--	<0.050	--	<0.001	**0.001**	<0.001	<0.001	--	
MW-213	2/22/1994	--	--	--	--	--	--	<0.050	--	<0.001	<0.001	<0.001	<0.001	--	
MW-214	2/22/1994	--	--	--	--	--	--	<0.050	--	<0.001	<0.001	<0.001	<0.001	--	
MW-216	2/22/1994	--	--	--	--	--	--	<0.050	--	<0.001	**0.002**	<0.001	<0.001	--	
MW-301D	8/1/1994	432.81	13.97	--	418.84	--	--	--	--	**0.011 [0.11]**	<0.001 [<0.001]	<0.001	<0.001	--	
MW-301D	9/13/1994	432.81	14.61	--	418.20	--	--	--	--	**0.012 [0.012]**	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	--	
MW-301D	9/27/1994	432.81	15.51	--	417.30	--	--	--	--	<0.001	**0.0005**	<0.001	<0.001	--	
MW-301D	10/11/1994	432.81	16.10	--	416.71	--	--	--	--	**0.017**	<0.001	<0.001	<0.001	--	
MW-301D	10/27/1994	432.81	16.50	--	416.31	--	--	--	--	**0.02**	<0.001	<0.001	<0.001	--	
MW-301D	11/9/1994	432.81	16.60	--	416.21	--	--	--	--	**0.14 [0.0096]**	**0.0006**	<0.001 [<0.001]	<0.001 [<0.001]	--	
MW-301D	11/22/1994	432.81	16.60	--	416.21	--	--	--	--	**0.11 [0.14]**	<0.001	<0.001 [<0.001]	<0.001 [<0.001]	--	
MW-301D	12/7/1994	432.81	16.58	--	416.23	--	--	--	--	**0.15**	<0.001	<0.001	<0.001	--	
MW-301D	1/5/1995	432.81	16.23	--	416.58	--	--	--	--	**0.14**	<0.001	<0.001	**0.0009**	--	
MW-301D	1/17/1995	432.81	16.57	--	416.24	--	--	--	--	**0.21**	<0.001	<0.001	**0.0019**	--	
MW-301D	3/28/1995	432.81	17.13	--	415.68	--	--	--	--	**0.35**	<0.001	**0.0045**	**0.0045**	--	
MW-301D	6/26/1995	432.81	14.67	--	418.14	--	--	--	--	**0.0086 [0.12]**	<0.001 [<0.001]	<0.001 [0.0012]	<0.001 [<0.001]	--	
MW-301D	9/18/1995	432.81	12.98	--	419.83	--	--	--	--	**0.0099**	<0.001	<0.001	<0.001	--	
MW-301D	12/11/1995	432.81	15.25	--	417.56	--	--	--	--	**0.0083**	<0.001	<0.001	<0.001	--	
MW-301D	3/6/1996	432.81	16.36	--	416.45	--	--	<0.050	--	**0.015**	<0.0005	<0.001	<0.001	--	
MW-301D	5/31/1996	432.81	15.65	--	417.16	--	--	--	--	**0.0172**	<0.0005	**0.000728**	**0.00151**	--	
MW-301D	9/17/1996	432.81	--	--	--	--	--	--	--	**0.0123**	<0.0005	<0.0005	<0.001	--	
MW-301D	12/11/1996	432.81	16.47	--	416.34	--	--	<0.050	--	**0.00846**	<0.0005	<0.0005	<0.001	--	
MW-301D	3/12/1997	432.81	17.26	--	415.55	--	--	<0.050	--	**0.0104**	<0.0005	<0.0005	<0.001	--	
MW-301D	6/5/1997	432.81	16.50	--	416.31	--	--	**0.052**	--	**0.0143**	<0.0005	<0.0005	<0.001	--	
MW-301D	9/18/1997	432.81	14.92	--	417.89	--	--	<0.050	--	**0.00699**	<0.0005	<0.0005	<0.001	--	
MW-301D	12/12/1997	432.81	16.87	--	415.94	--	--	<0.050	--	**0.00766**	<0.0005	<0.0005	<0.001	--	
MW-301D	3/26/1998	432.81	17.44	--	415.37	--	--	<0.050	--	**0.00352**	<0.0005	<0.0005	<0.001	--	
MW-301D	9/22/1998	432.81	14.92	--	417.89	--	--	<0.050	--	**0.00361**	**0.000591**	<0.0005	<0.001	--	
MW-301D	12/21/1998	432.81	16.79	--	416.02	--	--	<0.050	--	**0.00469**	<0.0005	**0.00174**	**0.0391**	--	
MW-301D	3/23/1999	432.81	17.08	--	415.73	--	--	<0.050	--	**0.00381**	<0.0005	<0.0005	<0.001	--	
MW-301D	6/30/1999	432.81	15.54	--	417.27	--	--	<0.050	--	**0.00237**	<0.0005	<0.0005	<0.001	--	
MW-301D	9/28/1999	432.81	15.81	--	417.00	--	--	<0.050	--	**0.00173**	<0.0005	<0.0005	<0.001	--	
MW-301D	12/21/1999	432.81	16.67	--	416.14	--	--	<0.050	--	**0.00304**	<0.0005	<0.0005	<0.001	--	
MW-301D	3/29/2000	432.81	17.63	--	415.18	--	--	<0.050	--	**0.00171**	<0.0005	<0.0005	<0.001	--	

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
BD= Duplicate Sample
GW Elev = Groundwater elevation
mg/L = Milligrams per liter
LNAPL = Light non-aqueous phase liquid
-- = Not analyzed/ Not available
<0.800 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Reported detection limit (RDL)
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DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
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Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
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Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-301D	6/28/2000	432.81	14.46	--	418.35	--	--	<0.050	--	**0.00165**	<0.0025	<0.0025	<0.005	--	
MW-301D	9/27/2000	432.81	13.43	--	419.38	--	--	<0.050	--	**0.00113**	<0.0005	<0.0005	<0.001	--	
MW-301D	12/20/2000	432.81	15.78	--	417.03	--	--	<0.050	--	**0.00151**	<0.0005	<0.0005	<0.001	--	
MW-301D	3/30/2001	432.81	16.79	--	416.02	--	--	<0.050	--	**0.0014**	<0.0005	<0.0005	<0.001	--	Unable to Locate.
MW-301D	6/28/2001	432.81	15.34	--	417.47	--	--	<0.050	--	**0.00151**	<0.0005	<0.0005	<0.001	--	
MW-301D	9/19/2001	432.81	14.17	--	418.64	--	--	<0.050	--	**0.00158**	<0.0005	<0.0005	<0.001	--	
MW-301D	3/27/2002	432.81	16.89	--	415.92	--	--	<0.050	--	**0.00238**	<0.0005	<0.0005	<0.001	--	
MW-301D	9/28/2002	432.81	13.74	--	419.07	--	--	<0.080	--	**0.00222**	<0.0005	<0.0005	<0.001	--	
MW-301D	4/7/2003	432.81	14.89	--	417.92	--	--	**0.031**	--	**0.0071**	<0.0005	<0.0005	<0.0015	--	
MW-301D	9/16/2003	432.81	12.07	--	420.74	--	--	**0.018**	--	**0.0043**	<0.0005	<0.0005	<0.0015	--	
MW-301D	3/23/2004	432.81	16.66	--	416.15	--	--	**0.031**	--	**0.011**	<0.00050	<0.00050	<0.00150	--	
MW-301D	9/29/2004	432.81	15.40	--	417.41	--	--	**0.035**	--	**0.0065**	<0.00050	<0.00050	<0.00150	--	
MW-301D	4/6/2005	432.81	16.91	--	415.90	**0.033**	--	**0.023**	**0.023**	**0.0074**	<0.00050	<0.00050	<0.00150	--	
MW-301D	6/27/2005	432.81	13.47	--	419.34	**0.037**	--	**0.012**	**0.067**	**0.0029**	<0.00050	<0.00050	<0.00150	--	
MW-301D	9/22/2005	433.81	14.40	--	419.41	<0.0200	--	**0.014**	**0.022**	**0.0022**	<0.00050	<0.00050	<0.00150	--	
MW-301D	12/6/2005	433.81	16.10	--	417.71	--	--	**0.013**	--	**0.0029**	<0.00050	<0.00050	<0.00150	--	
MW-301D	3/29/2006	433.81	17.69	--	416.12	--	--	**0.019**	--	**0.0033**	<0.00050	<0.00050	<0.00150	<0.0025	
MW-301D	6/7/2006	433.81	15.45	--	418.36	--	--	**0.011**	--	**0.0019**	<0.00050	<0.00050	<0.00150	--	
MW-301D	9/26/2006	100.97	15.11	--	85.86	--	--	**0.014**	--	**0.0017**	<0.00050	<0.00050	<0.00150	--	
MW-301D	3/30/2007	100.97	17.48	--	83.49	--	--	**0.01**	--	**0.003**	<0.0010	<0.0010	<0.0020	--	
MW-301D	9/15/2007	100.97	14.53	--	86.44	--	--	**0.02**	--	**0.005**	<0.0010	<0.0010	<0.0020	--	
MW-301D	3/26/2008	100.97	17.20	--	83.77	--	--	<0.0500	--	**0.00757**	<0.00050	<0.00050	<0.0010	--	
MW-301D	9/9/2008	100.97	14.09	--	86.88	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.002	--	
MW-301D	5/12/2009	100.97	16.20	--	84.77	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	9/30/2009	437.84	15.50	--	422.34	--	--	**0.012**	--	**0.0025**	<0.002	<0.002	<0.005	--	
MW-301D	6/16/2010	437.84	16.30	--	421.54	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	9/25/2010	437.84	15.07	--	422.77	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	6/9/2011	437.84	15.94	--	421.90	--	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	9/20/2011	437.84	14.49	--	423.35	--	--	--	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	6/12/2012	437.84	15.08	--	422.76	--	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	10/2/2012	437.87	15.44	--	422.43	--	--	--	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301D	6/10/2013	437.87	14.55	--	423.32	--	--	<0.05000	--	**0.0016**	**0.000650 J**	<0.000240	<0.000720	--	
MW-301D	10/10/2013	437.87	15.35	--	422.52	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	--	
MW-301D	6/30/2014	437.87	14.02	--	423.85	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00300	--	
MW-301D	9/16/2015	437.87	13.76	--	424.11	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
MW-301D	8/3/2016	437.87	11.53	--	426.34	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
MW-301D	9/19/2017	437.66	13.61	--	424.05	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
MW-301D	8/20/2018	437.66	12.09	--	425.57	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.005	--	
MW-301D	7/10/2019	437.87	14.49	0.00	423.38	--	--	<0.25 J [<0.25 J]	--	<0.0030 [< 0.0030]	<0.0020 [<0.0020]	<0.0030 [<0.0030]	<0.0050 [<0.0050]	--	Depth to water taken from well survey dated July 25, 2019
MW-301D	6/25/2020	437.87	12.55	0.00	425.32	--	--	<0.100	--	**0.000144 J**	<0.00100	<0.00100	<0.00300	--	Depth to water taken during gauging event on 6/23/2020
MW-301D	7/16/2021	437.87	14.30	0.00	423.57	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	--	
MW-301D	7/14/2022	437.87	12.53	0.00	425.34	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	--	

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First Quarter 1994 - 2022
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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-301S	8/1/1994	432.44	13.57	--	418.87	--	--	--	--	**4.3**	**0.0065**	**0.22**	**0.39**	--	
MW-301S	8/15/1994	432.44	13.03	--	419.41	--	--	--	--	**6**	**0.0089**	**0.25**	**0.35**	--	
MW-301S	8/30/1994	432.44	13.36	--	419.08	--	--	--	--	**2.1**	<0.001	**0.012**	**0.014**	--	
MW-301S	9/13/1994	432.44	14.20	--	418.24	--	--	--	--	**1.3**	<0.001	<0.001	**0.0007**	--	
MW-301S	9/27/1994	432.44	15.13	--	417.31	--	--	--	--	**1.8**	<0.001	<0.001	<0.001	--	
MW-301S	10/11/1994	432.44	15.70	--	416.74	--	--	--	--	**1.8 [1.7]**	<0.001 [<0.001]	<0.001 [<0.001]	<0.0005	--	
MW-301S	10/27/1994	432.44	16.00	--	416.44	--	--	--	--	**3.6**	<0.1	<0.01	<0.001	--	
MW-301S	11/9/1994	432.44	16.20	--	416.24	--	--	--	--	**4.5**	**0.0006**	**0.0033**	<0.1	--	
MW-301S	11/22/1994	432.44	16.20	--	416.24	--	--	--	--	**5.8**	**0.0007**	**0.003**	**0.0014**	--	
MW-301S	12/7/1994	432.44	16.15	--	416.29	--	--	--	--	**4.6**	**0.0007**	**0.0032**	**0.0011**	--	
MW-301S	12/20/1994	432.44	15.58	--	416.86	--	--	--	--	**5**	**0.0011**	**0.0059**	**0.0025**	--	
MW-301S	1/4/1995	432.44	15.85	--	416.59	--	--	--	--	**3.7**	**0.0012**	**0.0016**	<0.001	--	
MW-301S	1/17/1995	432.44	16.20	--	416.24	--	--	--	--	**3.5**	<0.001	**0.0044**	**0.001**	--	
MW-301S	2/2/1995	432.44	16.37	--	416.07	--	--	--	--	**2.9**	<0.001	**0.0064**	**0.001**	--	
MW-301S	2/13/1995	432.44	16.37	--	416.07	--	--	--	--	**2.5**	<0.001	**0.012**	**0.0022**	--	
MW-301S	3/3/1995	432.44	16.13	--	416.31	--	--	--	--	**3.2**	**0.0029**	**0.044**	**0.0235**	--	
MW-301S	3/27/1995	432.44	16.75	--	415.69	--	--	--	--	**2**	<0.05	***<0.05***	<0.05	--	
MW-301S	4/10/1995	432.44	16.64	--	415.80	--	--	--	--	**1.8**	<0.1	<0.01	<0.01	--	
MW-301S	4/25/1995	432.44	15.93	--	416.51	--	--	--	--	**1.4**	<0.045	***<0.045***	<0.045	--	
MW-301S	5/9/1995	432.44	14.77	--	417.67	--	--	--	--	**3.4**	<0.1	**0.16**	**0.25**	--	
MW-301S	5/23/1995	432.44	14.59	--	417.85	--	--	--	--	**1.6**	<0.1	<0.01	**0.16**	--	
MW-301S	6/6/1995	432.44	14.86	--	417.58	--	--	--	--	**0.54**	<0.01	**0.02**	**0.044**	--	
MW-301S	6/28/1995	432.44	14.70	--	417.74	--	--	--	--	**5.4**	**0.11**	**0.31**	**0.75**	--	
MW-301S	7/11/1995	432.44	13.25	--	419.19	--	--	--	--	**5.8**	<0.1	**0.38**	**0.85**	--	
MW-301S	7/25/1995	432.44	13.00	--	419.44	--	--	--	--	**5.6**	<0.1	**0.35**	**0.57**	--	
MW-301S	8/8/1995	432.44	13.55	--	418.89	--	--	--	--	**2**	<0.1	**0.11**	**0.11**	--	
MW-301S	8/23/1995	432.44	13.33	--	419.12	--	--	--	--	**6.3**	<0.1	**0.3**	**0.5**	--	
MW-301S	9/6/1995	432.44	12.60	--	419.84	--	--	--	--	**7.8**	<0.1	**0.36**	**0.8**	--	
MW-301S	9/18/1995	432.44	12.60	--	419.84	--	--	--	--	**3.2 [3.4]**	<0.1 [<0.1]	**0.1 [0.12]**	**0.2 [0.19]**	--	
MW-301S	10/5/1995	432.44	13.38	--	419.06	--	--	--	--	**1.1**	<0.025	***<0.025***	<0.025	--	
MW-301S	12/11/1995	432.44	14.89	--	417.55	--	--	--	--	**0.54**	<0.025	***<0.025***	<0.025	--	
MW-301S	3/6/1996	432.44	15.99	--	416.45	--	--	**0.11 [0.22]**	--	**0.013 [0.29]**	<0.0005 [<0.0005]	**0.0042 [0.0097]**	**0.0023 [0.0061]**	--	
MW-301S	5/31/1996	432.44	15.24	--	417.20	--	--	--	--	**0.0479 [0.34]**	<0.0005 [<0.0005]	**0.0028 [0.00196]**	<0.001 [<0.001]	--	
MW-301S	9/17/1996	432.44	15.18	--	417.26	--	--	--	--	**0.0279 [0.0276]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.001 [<0.001]	--	
MW-301S	12/11/1996	432.44	16.10	--	416.34	--	--	**0.69 [0.0.625]**	--	**0.258 [0.264]**	<0.0005 [<0.0005]	**0.0281 [0.254]**	**0.00845 [0.00711]**	--	
MW-301S	3/12/1997	432.44	16.89	--	415.55	--	--	**1.36 [0.595]**	--	**0.636 [0.107]**	**0.000591** [<0.0005]	**0.0168 [0.0098]**	**0.00491 [0.00214]**	--	
MW-301S	6/5/1997	432.44	16.10	--	416.34	--	--	**1.97 [1.41]**	--	**1.23 [0.962]**	**0.000626** [<0.0005]	**0.044 [0.0309]**	**0.0447 [0.0318]**	--	
MW-301S	9/18/1997	432.44	14.21	--	418.23	--	--	**4.54 [4.03]**	--	**2.03 [1.92]**	<0.1 [<0.1]	**0.103 [0.0976]**	**0.198 [0.195]**	--	
MW-301S	12/12/1997	432.44	16.98	--	415.46	--	--	**10.7**	--	**4.16**	<0.025	**0.343**	**0.36**	--	
MW-301S	3/26/1998	432.44	17.07	--	415.37	--	--	**13**	--	**6.59**	<0.05	**0.602**	**0.294**	--	
MW-301S	6/11/1998	432.44	16.39	--	416.05	--	--	**5.68**	--	**2.85**	<0.025	**0.263**	**0.122**	--	
MW-301S	9/22/1998	432.44	14.55	--	417.89	--	--	<0.005	--	**0.649**	<0.05	***<0.05***	<0.01	--	
MW-301S	12/21/1998	432.44	16.42	--	416.02	--	--	**2.31**	--	**1.16**	<0.01	**0.196**	**0.0431**	--	
MW-301S	3/23/1999	432.44	16.72	--	415.72	--	--	**5.65**	--	**2.83**	<0.025	**0.294**	<0.05	--	
MW-301S	9/28/1999	432.44	15.42	--	417.02	--	--	**2.29 [2.41]**	--	**1.12 [1.05]**	<0.01	**0.0695 [0.0694]**	**0.023 [0.0216]**	--	

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-301S	12/21/1999	432.44	16.31	--	416.13	--	--	**5.08**	--	**2.27**	<0.0025	**0.285**	**0.0154**	--	
MW-301S	3/29/2000	432.44	17.26	--	415.18	--	--	**4.96**	--	**2.12**	<0.010	**0.266**	<0.020	--	
MW-301S	6/28/2000	432.44	14.06	--	418.38	--	--	**4.51**	--	**1.66**	<0.025	**0.259**	<0.050	--	
MW-301S	9/27/2000	432.44	13.06	--	419.38	--	--	**0.73**	--	**0.35**	<0.0005	**0.0377**	<0.010	--	
MW-301S	12/20/2000	432.44	15.41	--	417.03	--	--	**0.988**	--	**0.269**	<0.0025	**0.133**	<0.005	--	
MW-301S	3/30/2001	432.44	16.43	--	416.01	--	--	**0.0424**	--	<0.0005	<0.0005	**0.106**	**0.00139**	--	
MW-301S	6/28/2001	432.44	14.95	--	417.49	--	--	**0.267**	--	**0.0559**	<0.0005	**0.0403**	<0.001	--	
MW-301S	9/19/2001	432.44	13.78	--	418.66	--	--	**0.0558**	--	**0.0207**	<0.0005	**0.00156**	<0.001	--	
MW-301S	12/12/2001	432.44	16.13	--	416.31	--	--	**0.0671**	--	**0.00043**	<0.0005	**0.0159**	**0.00115**	--	
MW-301S	3/27/2002	432.44	16.50	--	415.94	--	--	**0.201**	--	**0.0114**	<0.0005	**0.0565**	**0.00109**	--	
MW-301S	6/25/2002	432.44	13.78	--	418.66	--	--	**0.34**	--	**0.0943**	<0.0025	**0.0289**	<0.005	--	
MW-301S	9/28/2002	432.44	13.36	--	419.08	--	--	<0.080	--	**0.0179**	<0.0005	<0.0005	<0.001	--	
MW-301S	12/17/2002	432.44	14.76	--	417.68	--	--	<0.050	--	**0.00131**	<0.0005	**0.00423**	<0.001	--	
MW-301S	4/7/2003	432.44	14.50	--	417.94	--	--	**0.036**	--	**0.0027**	<0.0005	<0.0005	<0.0015	--	
MW-301S	6/24/2003	432.44	15.01	--	417.43	--	--	**0.025**	--	**0.0013**	<0.0005	**0.0012**	<0.0015	--	
MW-301S	9/16/2003	432.44	11.69	--	420.75	--	--	**0.082**	--	**0.021**	<0.0005	**0.0011**	<0.0015	--	
MW-301S	12/22/2003	432.44	14.56	--	417.88	--	--	**0.014**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-301S	3/23/2004	432.44	16.29	--	416.15	--	--	**0.013**	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	6/21/2004	432.44	13.93	--	418.51	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	9/29/2004	432.44	15.03	--	417.41	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	12/2/2004	432.44	16.31	--	416.13	**0.058**	--	<0.0100	**0.1**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	4/6/2005	432.44	16.52	--	415.92	**0.051**	--	**0.012**	**0.054**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	6/27/2005	432.44	13.08	--	419.36	**0.23**	--	**0.24**	**0.17**	**0.084**	<0.00050	<0.00050	<0.00150	--	
MW-301S	9/22/2005	433.44	14.03	--	419.41	**0.14**	--	<0.0100	**0.36**	**0.0018**	<0.00050	<0.00050	<0.00150	--	
MW-301S	12/6/2005	433.44	15.75	--	417.69	--	--	<0.0100	--	**0.0016**	<0.00050	<0.00050	<0.00150	--	
MW-301S	3/29/2006	433.44	17.27	--	416.17	--	--	**0.01**	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
MW-301S	6/7/2006	433.44	15.05	--	418.39	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	9/26/2006	100.60	14.73	--	85.87	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-301S	3/30/2007	100.60	17.12	--	83.48	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-301S	9/15/2007	100.60	14.18	--	86.42	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-301S	3/26/2008	100.60	16.80	--	83.80	--	--	<0.0500	--	<0.00050	<0.00050	<0.00050	<0.0010	--	
MW-301S	9/9/2008	100.60	13.73	--	86.87	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.002	--	
MW-301S	5/11/2009	100.60	15.50	--	85.10	--	--	**0.011**	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301S	10/1/2009	437.49	15.10	--	422.39	--	--	**0.02**	--	**0.0034**	<0.002	<0.002	<0.005	--	
MW-301S	6/16/2010	437.49	15.93	--	421.56	--	--	**0.6**	--	**0.2**	<0.002	**0.0038**	**0.002**	--	
MW-301S	9/25/2010	437.49	14.70	--	422.79	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-301S	6/8/2011	437.49	15.57	--	421.92	--	--	--	--	--	--	--	--	--	
MW-301S	9/19/2011	437.49	14.13	--	423.36	--	--	--	--	--	--	--	--	--	
MW-301S	6/11/2012	437.49	14.70	--	422.79	--	--	--	--	--	--	--	--	--	
MW-301S	10/2/2012	437.51	15.08	--	422.43	--	--	--	--	--	--	--	--	--	
MW-301S	6/10/2013	437.51	14.22	--	423.29	--	--	--	--	--	--	--	--	--	
MW-301S	10/10/2013	437.51	15.00	--	422.51	--	--	--	--	--	--	--	--	--	
MW-301S	6/29/2014	437.51	13.66	--	423.85	--	--	--	--	--	--	--	--	--	
MW-301S	9/16/2015	437.51	13.38	--	424.13	--	--	--	--	--	--	--	--	--	
MW-301S	8/3/2016	437.51	11.16	--	426.35	--	--	--	--	--	--	--	--	--	

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
BD= Duplicate Sample
GW Elev = Groundwater elevation
mg/L = Milligrams per liter
LNAPL = Light non-aqueous phase liquid
-- = Not analyzed/ Not available
<0.800 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Reported detection limit (RDL)
Bold and Shaded= Value exceeds ADEC Groundwater Cleanup Level
Bold and Italicized : Constituent considered non-detect, however Laboratory RDL is greater tha the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The sample result reported from dilution

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
RRO = Total petroleum hydrocarbons, residual range oraganics by LUFT GC/MS according to Alaska Series Method AK102/103
Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-301S	9/19/2017	437.30	13.28	--	424.02	--	--	--	--	--	--	--	--	--	
MW-301S	8/20/2018	437.31	11.75	--	425.56	--	--	--	--	--	--	--	--	--	
MW-301S	7/10/2019	437.51	14.13	0.00	423.38	--	--	--	--	--	--	--	--	--	Depth to water taken from well survey dated July 25, 2019
MW-301S	6/23/2020	437.51	12.19	0.00	425.32	--	--	--	--	--	--	--	--	--	Depth to water taken during gauging event on 6/23/2020
MW-301S	7/16/2021	437.51	13.94	0.00	423.57	--	--	--	--	--	--	--	--	--	
MW-301S	7/14/2022	437.51	12.25	0.00	425.26	--	--	--	--	--	--	--	--	--	
MW-302D	8/1/1994	435.32	16.70	--	418.62	--	--	--	--	**0.026**	<0.001	<0.001	<0.001	--	
MW-302D	9/30/1994	435.32	18.26	--	417.06	--	--	--	--	**0.28**	<0.001	<0.001	<0.001	--	
MW-302D	10/27/1994	435.32	19.10	--	416.22	--	--	--	--	**0.24**	<0.001	<0.01	<0.01	--	
MW-302D	1/5/1995	435.32	18.84	--	416.48	--	--	--	--	**0.098**	<0.001	<0.001	<0.001	--	
MW-302D	3/27/1995	435.32	19.78	--	415.54	--	--	--	--	**0.15**	<0.01	<0.01	<0.01	--	
MW-302D	6/26/1995	435.32	17.43	--	417.89	--	--	--	--	**0.016**	<0.001	<0.001	<0.001	--	
MW-302D	9/18/1995	435.32	15.65	--	419.67	--	--	--	--	**0.053**	<0.001	<0.001	<0.001	--	
MW-302D	12/11/1995	435.32	17.90	--	417.42	--	--	--	--	**0.062**	<0.001	<0.001	<0.001	--	
MW-302D	3/6/1996	435.32	19.00	--	416.32	--	--	**0.24**	--	**0.1**	<0.0005	<0.0005	<0.001	--	
MW-302D	5/31/1996	435.32	18.25	--	417.07	--	--	--	--	**0.0932**	<0.0005	<0.0005	<0.001	--	
MW-302D	9/18/1996	435.32	18.19	--	417.13	--	--	--	--	**0.157**	<0.0005	<0.0005	<0.001	--	
MW-302D	12/11/1996	435.32	19.10	--	416.22	--	--	**0.146**	--	**0.0599**	<0.0005	<0.0005	<0.001	--	
MW-302D	3/12/1997	435.32	19.90	--	415.42	--	--	**0.278**	--	**0.0933**	<0.0005	<0.0005	<0.001	--	
MW-302D	6/5/1997	435.32	19.20	--	416.12	--	--	**0.273**	--	**0.135**	<0.0005	<0.0005	<0.001	--	
MW-302D	9/18/1997	435.32	17.25	--	418.07	--	--	**0.237**	--	**0.125**	<0.001	<0.001	<0.002	--	
MW-302D	12/12/1997	435.32	19.49	--	415.83	--	--	**73**	--	**0.0365**	<0.0005	<0.0005	<0.001	--	
MW-302D	3/25/1998	435.32	20.07	--	415.25	--	--	**0.0914**	--	**0.0462**	<0.0005	<0.0005	<0.001	--	
MW-302D	6/11/1998	435.32	19.39	--	415.93	--	--	**0.0621 [0.672]**	--	**0.0363 [0.0381]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.001 [<0.001]	--	
MW-302D	9/21/1998	435.32	17.52	--	417.80	--	--	<0.1	--	**0.0547**	<0.001	<0.001	<0.002	--	
MW-302D	12/22/1998	435.32	19.41	--	415.91	--	--	<0.050	--	**0.00977**	<0.0005	<0.0005	<0.001	--	
MW-302D	3/29/1999	435.32	19.73	--	415.59	--	--	<0.050 [<0.050]	--	**0.0207 [0.0207]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.001 [<0.001]	--	
MW-302D	6/28/1999	435.32	18.26	--	417.06	--	--	<0.050	--	**0.00618**	<0.0005	<0.0005	<0.001	--	
MW-302D	9/28/1999	435.32	18.41	--	416.91	--	--	**0.0784**	--	**0.0331**	<0.0005	<0.0005	<0.001	--	
MW-302D	12/22/1999	435.32	19.32	--	416.00	--	--	<0.050 [<0.050]	--	**0.0104 [0.0116]**	<0.0005	<0.0005	<0.001	--	
MW-302D	3/29/2000	435.32	20.28	--	415.04	--	--	<0.050	--	**0.013**	<0.0005	<0.0005	<0.001	--	
MW-302D	6/28/2000	435.32	17.15	--	418.17	--	--	<0.050	--	**0.0104**	<0.0005	<0.0005	<0.001	--	
MW-302D	9/27/2000	435.32	16.09	--	419.23	--	--	<0.050	--	**0.00912**	<0.0005	<0.0005	<0.001	--	
MW-302D	12/20/2000	435.32	18.44	--	416.88	--	--	<0.050	--	**0.014**	<0.0005	<0.0005	<0.001	--	
MW-302D	3/30/2001	435.32	19.45	--	415.87	--	--	**0.0529**	--	**0.02**	<0.0005	<0.0005	<0.001	--	
MW-302D	6/28/2001	435.32	18.05	--	417.27	--	--	<0.050	--	**0.0113**	<0.0005	<0.0005	<0.001	--	
MW-302D	9/19/2001	435.32	16.76	--	418.56	--	--	**0.0646**	--	**0.000713**	<0.0005	<0.0005	<0.001	--	
MW-302D	3/27/2002	435.32	19.54	--	415.78	--	--	<0.050	--	**0.0105**	<0.0005	<0.0005	<0.001	--	
MW-302D	9/28/2002	435.32	16.32	--	419.00	--	--	<0.080	--	**0.0233**	<0.0005	<0.0005	<0.001	--	
MW-302D	4/7/2003	435.32	17.52	--	417.80	--	--	**0.033**	--	**0.012**	<0.0005	<0.0005	<0.0015	--	
MW-302D	9/16/2003	435.32	14.73	--	420.59	--	--	**0.026**	--	**0.01**	<0.0005	<0.0005	<0.0015	--	
MW-302D	3/23/2004	435.32	19.24	--	416.08	--	--	**0.047**	--	**0.022**	<0.00050	<0.00050	<0.00150	--	
MW-302D	9/29/2004	435.32	17.97	--	417.35	--	--	**0.14**	--	**0.044**	<0.00050	<0.00050	<0.00150	--	
MW-302D	4/6/2005	435.32	19.58	--	415.74	**0.051**	--	**0.029**	**0.12**	**0.011**	<0.00050	<0.00050	<0.00150	--	

Notes:

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ft = Feet relative to NAVD88
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Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
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Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
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Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-302D	6/27/2005	435.32	16.20	--	419.12	**0.035**	--	**0.017**	**0.063**	**0.0061**	<0.00050	<0.00050	<0.00150	--	
MW-302D	9/21/2005	--	--	--	--	<0.0210	--	**0.068**	<0.0210	**0.024**	<0.00050	<0.00050	<0.00150	--	
MW-302D	9/22/2005	435.32	17.01	--	418.31	--	--	--	--	--	--	--	--	--	
MW-302D	12/6/2005	435.32	18.74	--	416.58	--	--	**0.056**	--	**0.017**	<0.00050	<0.00050	<0.00150	--	
MW-302D	3/29/2006	435.32	20.55	--	414.77	--	--	**0.1**	--	**0.032**	<0.00050	<0.00050	<0.00150	<0.0025	
MW-302D	6/7/2006	435.32	18.34	--	416.98	--	--	**0.087**	--	**0.028**	<0.00050	<0.00050	<0.00150	--	
MW-302D	9/26/2006	103.50	17.69	--	85.81	--	--	**0.04**	--	**0.013**	<0.00050	<0.00050	<0.00150	--	
MW-302D	3/30/2007	103.50	20.11	--	83.39	--	--	<0.0100	--	**0.004**	<0.0010	<0.0010	<0.0020	--	
MW-302D	9/15/2007	103.50	17.18	--	86.32	--	--	**0.02**	--	**0.01**	<0.0010	<0.0010	<0.0020	--	
MW-302D	3/25/2008	103.50	19.95	--	83.55	--	--	<0.0500	--	**0.00274**	<0.00050	<0.00050	<0.0010	--	
MW-302D	9/9/2008	103.50	16.78	--	86.72	--	--	**0.01**	--	**0.004**	<0.001	<0.001	<0.002	--	
MW-302D	5/12/2009	103.50	18.99	--	84.51	--	--	<0.10	--	**0.0017**	<0.002	<0.002	<0.005	--	
MW-302D	9/30/2009	440.39	18.05	--	422.34	--	--	**0.011**	--	**0.0028**	<0.002	<0.002	<0.005	--	
MW-302D	6/16/2010	440.39	19.05	--	421.34	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-302D	9/25/2010	440.39	17.77	--	422.62	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-302D	6/8/2011	440.39	18.73	--	421.66	--	--	--	--	--	--	--	--	--	
MW-302D	9/19/2011	440.39	17.26	--	423.13	--	--	--	--	--	--	--	--	--	
MW-302D	6/11/2012	440.39	17.92	--	422.47	--	--	--	--	--	--	--	--	--	
MW-302D	10/2/2012	440.38	18.15	--	422.23	--	--	--	--	--	--	--	--	--	
MW-302D	6/10/2013	440.38	17.41	--	422.97	--	--	--	--	--	--	--	--	--	
MW-302D	10/10/2013	440.38	17.98	--	422.40	--	--	--	--	--	--	--	--	--	
MW-302D	6/29/2014	440.38	17.77	--	422.61	--	--	--	--	--	--	--	--	--	
MW-302D	9/16/2015	440.38	16.55	--	423.83	--	--	--	--	--	--	--	--	--	
MW-302D	8/3/2016	440.38	14.39	--	425.99	--	--	--	--	--	--	--	--	--	
MW-302D	9/19/2017	440.18								Monitoring Well Decommissioned (July 2017)					
MW-302S	8/1/1994	434.91	16.27	--	418.64	--	--	--	--	**1.2**	**0.002**	**0.074**	**0.15**	--	
MW-302S	9/29/1994	434.91	17.86	--	417.05	--	--	--	--	**0.4**	<0.001	**0.0012**	**0.0037**	--	
MW-302S	10/27/1994	434.91	18.7	--	416.21	--	--	--	--	**0.84**	<0.05	***<0.05***	<0.05	--	
MW-302S	1/4/1995	434.91	18.43	--	416.48	--	--	--	--	**1.3**	<0.001	**0.042**	**0.037**	--	
MW-302S	3/27/1995	434.91	19.35	--	415.56	--	--	--	--	**0.62**	<0.05	***<0.05***	<0.05	--	
MW-302S	6/26/1995	434.91	17.02	--	417.89	--	--	--	--	**3.2**	<0.05	**0.11**	**0.19**	--	
MW-302S	9/18/1995	434.91	15.24	--	419.67	--	--	--	--	**2.8**	<0.045	**0.058**	**0.12**	--	
MW-302S	12/11/1995	434.91	17.45	--	417.46	--	--	--	--	**3.6**	<0.045	***<0.045***	<0.045	--	
MW-302S	3/6/1996	434.91	18.63	--	416.28	--	--	**1.9**	--	**1.1**	<0.0005	**0.0061**	**0.0059**	--	
MW-302S	5/31/1996	434.91	17.85	--	417.06	--	--	--	--	**1**	<0.0005	**0.0301**	**0.0672**	--	
MW-302S	9/17/1996	434.91	17.78	--	417.13	--	--	--	--	**1.28**	**0.000655**	**0.0103**	**0.0253**	--	
MW-302S	12/11/1996	434.91	18.74	--	416.17	--	--	**4.64**	--	**1.72**	**0.00114**	**0.048**	**0.1**	--	
MW-302S	3/12/1997	434.91	19.47	--	415.44	--	--	**4.66**	--	**0.901**	**0.00186**	**0.0652**	**0.11**	--	
MW-302S	6/5/1997	434.91	18.7	--	416.21	--	--	**2.03**	--	**1.06**	**0.000857**	**0.0294**	**0.0658**	--	
MW-302S	9/18/1997	434.91	16.84	--	418.07	--	--	**0.919**	--	**0.436**	<0.0025	**0.0111**	**0.034**	--	
MW-302S	12/11/1997	434.91	19.1	--	415.81	--	--	**1.58**	--	**0.802**	<0.0005	**0.0137**	**0.0204**	--	
MW-302S	3/25/1998	434.91	19.67	--	415.24	--	--	**4.08 [0.08]**	--	**2.14 [0.0408]**	<0.025 [<0.0005]	**0.0671** [<0.0005]	**0.767** [<0.001]	--	
MW-302S	6/11/1998	434.91	19	--	415.91	--	--	**5.61**	--	**2.93**	<0.05	**0.138**	**0.37**	--	
MW-302S	9/21/1998	434.91	17.11	--	417.8	--	--	**1.51**	--	**0.851**	<0.01	**0.0126**	**0.0523**	--	

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
BD= Duplicate Sample
GW Elev = Groundwater elevation
mg/L = Milligrams per liter
LNAPL = Light non-aqueous phase liquid
-- = Not analyzed/ Not available
<0.800 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Reported detection limit (RDL)
Bold and Shaded= Value exceeds ADEC Groundwater Cleanup Level
Bold and Italicized : Constituent considered non-detect, however Laboratory RDL is greater tha the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
B = The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D = The sample result reported from dilution

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
RRO = Total petroleum hydrocarbons, residual range oraganics by LUFT GC/MS according to Alaska Series Method AK102/103
Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-302S	12/22/1998	434.91	19.01	--	415.9	--	--	**1.57**	--	**0.827**	<0.0005	**0.0899**	**0.0247**	--	
MW-302S	3/23/1999	434.91	19.38	--	415.53	--	--	**1.33**	--	**0.649**	<0.01	**0.0171**	**0.0279**	--	
MW-302S	9/28/1999	434.91	--	--	--	--	--	**2.19**	--	**0.845**	**0.0158**	**0.0166**	**0.0799**	--	
MW-302S	12/22/1999	434.91	18.91	--	416	--	--	**1.67**	--	**0.229**	<0.0005	**0.00504**	**0.0212**	--	
MW-302S	3/29/2000	434.91	19.85	--	415.06	--	--	**1.32**	--	**0.663**	<0.0005	**0.00211**	**0.0226**	--	
MW-302S	6/28/2000	434.91	16.74	--	418.17	--	--	**1**	--	**0.497**	<0.0025	<0.0025	<0.005	--	
MW-302S	9/27/2000	434.91	15.70	--	419.21	--	--	**0.969**	--	**0.518**	<0.005	<0.005	<0.010	--	
MW-302S	12/20/2000	434.91	18.03	--	416.88	--	--	<0.050	--	**0.0138**	<0.0005	<0.0005	<0.001	--	
MW-302S	3/30/2001	434.91	19.05	--	415.86	--	--	<0.050	--	**0.0134**	<0.0005	<0.0005	<0.001	--	
MW-302S	6/28/2001	434.91	17.62	--	417.29	--	--	**0.242**	--	**0.171**	<0.0005	<0.0005	<0.001	--	
MW-302S	9/19/2001	434.91	16.35	--	418.56	--	--	**0.0715**	--	**0.0266**	<0.0005	**0.00066**	**0.00243**	--	
MW-302S	12/12/2001	434.91	18.74	--	416.17	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-302S	3/28/2002	434.91	19.15	--	415.76	--	--	<0.050	--	**0.00309**	<0.0005	<0.0005	<0.001	--	
MW-302S	6/25/2002	434.91	16.40	--	418.51	--	--	**0.211**	--	**0.0978**	<0.0005	<0.0005	<0.001	--	
MW-302S	9/28/2002	434.91	15.91	--	419.00	--	--	<0.080	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-302S	12/17/2002	434.91	17.38	--	417.53	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-302S	4/7/2003	434.91	17.12	--	417.79	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-302S	6/24/2003	434.91	17.66	--	417.25	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-302S	9/16/2003	434.91	14.32	--	420.59	--	--	**0.033**	--	**0.0047**	<0.0005	<0.0005	<0.0015	--	
MW-302S	12/22/2003	434.91	17.16	--	417.75	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-302S	3/23/2004	434.91	18.84	--	416.07	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	6/21/2004	434.91	16.63	--	418.28	--	--	**0.032**	--	**0.0059**	<0.00050	<0.00050	<0.00150	--	
MW-302S	9/29/2004	434.91	17.56	--	417.35	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	12/2/2004	434.91	18.90	--	416.01	**0.079**	--	**0.012**	**0.12**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	4/6/2005	434.91	19.19	--	415.72	**0.095**	--	**0.02**	**0.057**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	6/27/2005	434.91	15.81	--	419.10	**0.2**	--	**0.028**	**0.13**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	9/21/2005	--	--	--	--	**0.03**	--	**0.01**	**0.077**	**0.0021**	<0.00050	<0.00050	<0.00150	--	
MW-302S	9/22/2005	434.91	16.61	--	418.30	--	--	--	--	--	--	--	--	--	
MW-302S	12/6/2005	434.91	18.34	--	416.57	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	3/29/2006	434.91	20.04	--	414.87	--	--	**0.015**	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
MW-302S	6/7/2006	434.91	17.84	--	417.07	--	--	**0.014**	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	9/26/2006	103.10	17.29	--	85.81	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-302S	3/30/2007	103.10	19.70	--	83.40	--	--	**0.02**	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-302S	9/15/2007	103.10	16.78	--	86.32	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-302S	3/25/2008	103.10	19.45	--	83.65	--	--	<0.0500	--	<0.00050	<0.00050	<0.00050	<0.0010	--	
MW-302S	9/9/2008	103.10	16.37	--	86.73	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.002	--	
MW-302S	5/8/2009	103.10	--	--	--	--	--	--	--	--	--	--	--	--	
MW-302S	10/1/2009	440.00	17.68	--	422.32	--	--	**0.019**	--	<0.002	<0.002	<0.002	<0.005	--	
MW-302S	6/16/2010	440.00	18.70	--	421.30	--	--	**0.087**	--	**0.0006**	<0.00050	<0.00050	<0.00150	--	
MW-302S	9/25/2010	440.00	17.37	--	422.63	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-302S	6/8/2011	440.00	18.32	--	421.68	--	--	--	--	--	--	--	--	--	
MW-302S	9/19/2011	440.00	16.81	--	423.19	--	--	--	--	--	--	--	--	--	
MW-302S	6/11/2012	440.00	17.46	--	422.54	--	--	--	--	--	--	--	--	--	
MW-302S	10/2/2012	439.99	17.73	--	422.26	--	--	--	--	--	--	--	--	--	
MW-302S	6/10/2013	439.99	17.02	--	422.97	--	--	--	--	--	--	--	--	--	

Notes:

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Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
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Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-302S	10/10/2013	439.99	17.57	--	422.42	--	--	--	--	--	--	--	--	--	
MW-302S	6/29/2014	439.99	16.41	--	423.58	--	--	--	--	--	--	--	--	--	
MW-302S	9/16/2015	439.99	16.12	--	423.87	--	--	--	--	--	--	--	--	--	
MW-302S	8/3/2016	439.99	13.96	--	426.03	--	--	--	--	--	--	--	--	--	
MW-302S	9/19/2017	439.80								Monitoring Well Decommissioned (July 2017)					
MW-303D	9/25/2010	435.42	12.80	--	422.62	--	--	--	--	--	--	--	--	--	
MW-303D	6/8/2011	435.42	--	--	--	--	--	--	--	--	--	--	--	--	
MW-303D	9/19/2011	435.42	12.10	--	423.32	--	--	--	--	--	--	--	--	--	
MW-303D	6/11/2012	435.42	12.77	--	422.65	--	--	--	--	--	--	--	--	--	
MW-303D	10/2/2012	435.41	13.01	--	422.40	--	--	--	--	--	--	--	--	--	
MW-303D	6/10/2013	435.41	12.45	--	422.96	--	--	--	--	--	--	--	--	--	
MW-303D	10/10/2013	435.41	13.00	--	422.41	--	--	--	--	--	--	--	--	--	
MW-303D	6/29/2014	435.41	11.83	--	423.58	--	--	--	--	--	--	--	--	--	
MW-303D	9/16/2015	435.41	11.63	--	423.78	--	--	--	--	--	--	--	--	--	
MW-303D	8/3/2016	435.41	9.35	--	426.06	--	--	--	--	--	--	--	--	--	
MW-303D	9/19/2017	435.23								Monitoring Well Decommissioned (July 2017)					
MW-303S	8/1/1994	429.99	11.49	--	418.5	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-303S	9/29/1994	429.99	13	--	416.99	--	--	--	--	**0.0075**	<0.001	<0.001	<0.001	--	
MW-303S	1/5/1995	429.99	13.35	--	416.64	--	--	--	--	**0.0058**	<0.001	<0.001	<0.001	--	
MW-303S	3/28/1995	429.99	14.42	--	415.57	--	--	--	--	**0.011**	<0.001	<0.001	<0.001	--	
MW-303S	6/27/1995	429.99	12.25	--	417.74	--	--	--	--	**0.0033**	<0.001	<0.001	<0.001	--	
MW-303S	9/18/1995	429.99	11.17	--	418.82	--	--	--	--	**0.0024**	<0.001	<0.001	<0.001	--	
MW-303S	12/11/1995	429.99	12.53	--	417.46	--	--	--	--	**0.002**	<0.001	<0.001	<0.001	--	
MW-303S	3/5/1996	429.99	13.81	--	416.18	--	--	<0.050	--	**0.000923**	<0.001	<0.001	<0.001	--	
MW-303S	5/31/1996	429.99	12.96	--	417.03	--	--	--	--	**0.000906**	<0.001	<0.001	<0.001	--	
MW-303S	9/17/1996	429.99	12.9	--	417.09	--	--	--	--	**0.00109**	<0.001	<0.001	<0.001	--	
MW-303S	12/12/1996	429.99	13.91	--	416.08	--	--	<0.050	--	**0.0005**	<0.001	<0.001	<0.001	--	
MW-303S	3/12/1997	429.99	14.72	--	415.27	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	9/18/1997	429.99	11.95	--	418.04	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	12/12/1997	429.99	14.27	--	415.72	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	3/25/1998	429.99	14.85	--	415.14	--	--	<0.050	--	**0.00058 [0.000621]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.001 [<0.001]	--	
MW-303S	9/21/1998	429.99	12.21	--	417.78	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	12/22/1998	429.99	14.2	--	415.79	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	3/23/1999	429.99	14.6	--	415.39	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	9/29/1999	429.99	13.15	--	416.84	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	12/21/1999	429.99	14.14	--	415.85	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-303S	3/28/2000	429.99	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-303S	6/27/2000	429.99	11.96	--	418.03	--	--	<0.050	--	**0.00125**	<0.0005	<0.0005	<0.001	--	
MW-303S	9/26/2000	429.99	10.90	--	419.09	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-303S	12/19/2000	429.99	13.19	--	416.80	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-303S	3/30/2001	429.99	14.28	--	415.71	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-303S	6/28/2001	429.99	--	--	--	--	--	--	--	--	--	--	--	--	Well Frozen
MW-303S	3/27/2002	429.99	14.40	--	415.59	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	

Notes:

MW = Groundwater monitoring well
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ft bTOC = Feet below top of casing
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GW Elev = Groundwater elevation
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LNAPL = Light non-aqueous phase liquid
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DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Alaska Series Method AK101
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Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
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NAVD88 = The North American Vertical Datum of 1988
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GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-303S	4/7/2003	429.99	12.27	--	417.72	--	--	<0.010	--	<0.00050	<0.00050	<0.00050	<0.0015	--	
MW-303S	3/24/2004	429.99	13.99	--	416.00	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-303S	4/6/2005	429.99	14.41	--	415.58	<0.0400	--	<0.0100	**0.04**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-303S	3/30/2006	429.99	15.06	--	414.93	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
MW-303S	9/26/2006	98.24	--	--	--	--	--	--	--	--	--	--	--	--	
MW-303S	3/31/2007	98.24	14.88	--	83.36	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-303S	5/13/2009	98.24	13.91	--	84.33	--	--	**0.011**	--	**0.0009**	<0.002	<0.002	<0.005	--	
MW-303S	10/1/2009	435.10	12.90	--	422.20	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-303S	6/16/2010	435.10	13.91	--	421.19	--	--	--	--	--	--	--	--	--	
MW-303S	9/25/2010	435.10	12.57	--	422.53	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-303S	6/8/2011	435.10	13.57	--	421.53	--	--	--	--	--	--	--	--	--	
MW-303S	9/19/2011	435.10	10.81	--	424.29	--	--	--	--	--	--	--	--	--	
MW-303S	6/11/2012	435.10	--	--	--	--	--	--	--	--	--	--	--	--	
MW-303S	10/2/2012	435.11	12.73	--	422.38	--	--	--	--	--	--	--	--	--	
MW-303S	6/10/2013	435.11	12.42	--	422.69	--	--	--	--	--	--	--	--	--	
MW-303S	10/10/2013	435.11	12.71	--	422.40	--	--	--	--	--	--	--	--	--	
MW-303S	6/29/2014	435.11	11.64	--	423.47	--	--	--	--	--	--	--	--	--	
MW-303S	9/16/2015	435.11	11.35	--	423.76	--	--	--	--	--	--	--	--	--	
MW-303S	8/3/2016	435.11	9.13	--	425.98	--	--	--	--	--	--	--	--	--	
MW-303S	9/19/2017	434.89								Monitoring Well Decommissioned (July 2017)					
MW-304D	1/30/1982	103.00	18.98	--	84.02	--	--	--	--	--	--	--	--	--	
MW-304D	8/1/1994	434.86	16.78	--	418.08		--	--	--	**0.55000**	<0.001	**0.03700**	**0.01700**	--	
MW-304D	9/30/1994	434.86	18.26	--	416.6		--	--	--	**1.40**	<0.001	**0.08600**	**0.03300**	--	
MW-304D	10/26/1994	434.86	19	--	415.86		--	--	--	**1.2 [1.2]**	<0.001 [<0.001]	**0.086 [0.081]**	**0.029 [0027]**	--	
MW-304D	11/9/1994	434.86	19.2	--	415.66		--	--	--	**1.10**	<0.001	**0.07700**	**0.02400**	--	
MW-304D	1/4/1995	434.86	18.64	--	416.22		--	--	--	**0.97 [0.98]**	<0.001 [<0.001]	**0.071 [0.073]**	**0.016 [0.016]**	--	
MW-304D	2/2/1995	434.86	19.46	--	415.4		--	--	--	**1.30**	<0.001	**0.07600**	**0.02100**	--	
MW-304D	2/13/1995	434.86	19.46	--	415.4		--	--	--	**1.20**	<0.001	**0.07100**	**0.01700**	--	
MW-304D	3/1/1995	434.86	18.6	--	416.26		--	--	--	**0.35000**	<0.001	**0.00980**	<0.001	--	
MW-304D	3/14/1995	434.86	19.3	--	415.56		--	--	--	**1.10**	<0.001	**0.05500**	**0.00280**	--	
MW-304D	3/27/1995	434.86	19.3	--	415.56		--	--	--	**1.20**	<0.001	**0.05400**	<0.001	--	
MW-304D	4/10/1995	434.86	19.57	--	415.29		--	--	--	**1.20**	<0.001	**0.06500**	<0.001	--	
MW-304D	4/25/1995	434.86	19	--	415.86		--	--	--	**1.00**	<0.045	**0.05800**	<0.045	--	
MW-304D	5/9/1995	434.86	17.87	--	416.99		--	--	--	**0.98000**	<0.045	**0.05100**	<0.045	--	
MW-304D	5/23/1995	434.86	17.4	--	417.46		--	--	--	**0.86000**	<0.025	**0.05100**	<0.025	--	
MW-304D	6/6/1995	434.86	17.75	--	417.11		--	--	--	**1.1 [0.97]**	<0.045 **[0.01]**	**0.064 [0.057]**	<0.045 **[0.019]**	--	
MW-304D	6/26/1995	434.86	17.39	--	417.47		--	--	--	**0.93000**	<0.020	**0.05400**	**0.02400**	--	
MW-304D	7/11/1995	434.86	16.38	--	418.48		--	--	--	**0.71000**	<0.020	**0.03700**	<0.020	--	
MW-304D	7/25/1995	434.86	16.08	--	418.78		--	--	--	**0.71000**	<0.025	**0.03700**	<0.020	--	
MW-304D	8/8/1995	434.86	16.57	--	418.29		--	--	--	**0.69000**	<0.025	**0.03700**	<0.025	--	
MW-304D	8/23/1995	434.86	16.25	--	418.61		--	--	--	**0.80000**	<0.025	**0.04400**	<0.025	--	
MW-304D	9/6/1995	434.86	15.6	--	419.26		--	--	--	**0.65000**	<0.025	**0.03000**	<0.025	--	
MW-304D	9/18/1995	434.86	15.57	--	419.29		--	--	--	**0.76 [0.72]**	<0.045 [<0.025]	**0.038 [<0.045]**	<0.025 [<0.045]	--	
MW-304D	12/11/1995	434.86	17.78	--	417.08		--	--	--	**0.78000**	<0.025	***<0.025***	<0.025	--	

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-304D	3/6/1996	434.86	18.95	--	415.91		--	**2.70**	--	**1.10**	<0.0005	**0.02500**	**0.00630**	--	
MW-304D	5/31/1996	434.86	18.03	--	416.83		--	--	--	**0.92700**	<0.0005	**0.03360**	<0.001	--	
MW-304D	9/17/1996	434.86	18.06	--	416.8		--	--	--	**0.60800**	<0.0005	**0.02680**	<0.001	--	
MW-304D	12/12/1996	434.86	19.06	--	415.8		--	**2.54**	--	**0.71100**	<0.010	**0.01690**	<0.020	--	
MW-304D	3/12/1997	434.86	19.92	--	414.94		--	**2.24**	--	**0.76700**	<0.0025	**0.02120**	<0.005	--	
MW-304D	6/5/1997	434.86	19.3	--	415.56		--	**1.80**	--	**0.83900**	<0.0025	**0.02260**	<0.005	--	
MW-304D	9/18/1997	434.86	17.1	--	417.76		--	**1.08**	--	**0.62800**	<0.005	**0.01190**	<0.010	--	
MW-304D	12/12/1997	434.86	19.38	--	415.48		--	**1.06 [1.05]**	--	**0.531 [0.524]**	<0.005 [<0.005]	<0.005 **[0.0343]**	<0.010 [<0.005]	--	
MW-304D	3/26/1998	434.86	19.89	--	414.97		--	**0.81000**	--	**0.46000**	<0.0025	**0.05920**	<0.010	--	
MW-304D	6/11/1998	434.86	19.25	--	415.61		--	**0.66100**	--	**0.42700**	<0.005	<0.0025 [<0.0025]	<0.005	--	
MW-304D	9/21/1998	434.86	17.33	--	417.53		--	**0.462** [<0.0005]	--	**0.285 [0.261]**	<0.0025 [0<0.005]	<0.0025 [<0.005]	<0.005 [<0.010]	--	
MW-304D	12/22/1998	434.86	19.28	--	415.58		--	**0.49900**	--	**0.29900**	<0.0025	<0.005	<0.005	--	
MW-304D	3/23/1999	434.86	19.66	--	415.2		--	<0.0005 **[0.0295]**	--	**0.243 [0.205]**	<0.005 [<0.005]	<0.0025 [<0.005]	<0.010 [<0.005]	--	
MW-304D	6/29/1999	434.86	18.25	--	416.61		--	**0.155 [0.142]**	--	**0.0695 [0.0682]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.010 [<0.010]	--	
MW-304D	9/27/1999	434.86	18.23	--	416.63		--	**0.31400**	--	**0.15200**	<0.0005	<0.0005	<0.001	--	
MW-304D	12/22/1999	434.86	19.21	--	415.65		--	**0.23500**	--	**0.13300**	<0.0005	<0.0005	<0.010	--	
MW-304D	3/28/2000	434.86	20.15	--	414.71	--	--	**0.25200**	--	**0.13100**	<0.0005	<0.0005	<0.001	--	
MW-304D	6/28/2000	434.86	17.19	--	417.67	--	--	**0.30300**	--	**0.13000**	<0.00250	<0.00250	<0.005	--	
MW-304D	9/27/2000	434.86	16.04	--	418.82	--	--	**0.16600**	--	**0.75300**	<0.0005	**0.00060**	**0.00131**	--	
MW-304D	12/20/2000	434.86	18.31	--	416.55	--	--	**0.17200**	--	**0.06980**	<0.0005	<0.0005	<0.001	--	
MW-304D	3/30/2001	434.86	19.35	--	415.51	--	--	**0.12100**	--	**0.05110**	<0.0005	<0.0005	<0.001	--	
MW-304D	6/28/2001	434.86	18.03	--	416.83	--	--	**0.29100**	--	**0.16100**	<0.0005	<0.0005	<0.001	--	
MW-304D	9/19/2001	434.86	16.56	--	418.30	--	--	**0.20300**	--	**0.09380**	<0.0005	<0.0005	<0.001	--	
MW-304D	12/12/2001	434.86	19.00	--	415.86	--	--	**0.12100**	--	**0.04870**	<0.0005	<0.0005	**0.00111**	--	
MW-304D	3/27/2002	434.86	19.47	--	415.39	--	--	**0.14400**	--	**0.05680**	<0.0005	<0.0005	<0.001	--	
MW-304D	6/25/2002	434.86	16.67	--	418.19	--	--	**0.13800**	--	**0.05660**	<0.0005	<0.0005	<0.001	--	
MW-304D	9/28/2002	434.86	16.14	--	418.72	--	--	**0.213 [0.217]**	--	**0.0906 [0.0932]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.001 [<0.001]	--	
MW-304D	12/17/2002	434.86	17.59	--	417.27	--	--	**0.11400**	--	**0.03430**	<0.0005	<0.0005	<0.001	--	
MW-304D	4/7/2003	434.86	17.35	--	417.51	--	--	**0.13000**	--	**0.04300**	<0.0005	<0.0005	<0.0015	--	
MW-304D	6/24/2003	434.86	18.00	--	416.86	--	--	**0.33000**	--	**0.13000**	<0.0005	<0.0005	<0.0015	--	
MW-304D	9/16/2003	434.86	14.69	--	420.17	--	--	**0.13 [0.13]**	--	**0.052 [0.053]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.001 [<0.001]	--	
MW-304D	12/22/2003	434.86	17.37	--	417.49	--	--	**0.11000**	--	**0.03700**	<0.0005	<0.0005	<0.0015	--	
MW-304D	3/23/2004	434.86	19.03	--	415.83	--	--	**0.16 [0.15]**	--	**0.06 [0.056]**	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
MW-304D	3/24/2004	--	--	--	--	--	--	**1.50**	--	**0.09700**	**0.00140**	**0.14000**	**0.00670**	--	
MW-304D	6/21/2004	434.86	17.16	--	417.70	--	--	**0.21000**	--	**0.08100**	<0.00050	<0.00050	<0.00150	--	
MW-304D	9/29/2004	434.86	17.71	--	417.15	--	--	**0.49 [0.48]**	--	**0.15 [0.15]**	**0.0005 [0.0005]**	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
MW-304D	12/2/2004	434.86	19.16	--	415.70	**0.07000**	--	**0.19000**	**0.08600**	**0.06200**	<0.00050	<0.00050	<0.00150	--	
MW-304D	4/6/2005	434.86	19.52	--	415.34	**0.06600**	--	**0.12000**	**0.14000**	**0.04100**	<0.00050	<0.00050	<0.00150	--	
MW-304D	6/27/2005	434.86	16.20	--	418.66	**0.04800**	--	**0.29000**	**0.06400**	**0.09600**	<0.00050	<0.00050	<0.00150	--	
MW-304D	9/21/2005	434.86	16.85	--	418.01	**0.02800**	--	**0.21000**	<0.0190	**0.07100**	<0.00050	<0.00050	<0.00150	--	
MW-304D	12/6/2005	434.86	18.65	--	416.21	--	--	**0.08700**	--	**0.02300**	<0.00050	<0.00050	<0.00150	--	
MW-304D	3/29/2006	434.86	20.00	--	414.86	--	--	**0.08800**	--	**0.02400**	<0.00050	<0.00050	<0.00150	<0.0025	
MW-304D	6/7/2006	434.86	17.83	--	417.03	--	--	**0.23000**	--	**0.07100**	<0.00050	<0.00050	<0.00150	--	
MW-304D	9/26/2006	103.00	17.48	--	85.52	--	--	**0.09200**	--	**0.02600**	<0.00050	<0.00050	<0.00150	--	
MW-304D	12/19/2006	103.00	18.91	--	84.09	--	--	**0.04000**	--	**0.00710**	<0.0010	<0.0010	<0.0020	--	

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MW-304D	3/28/2007	103.00	19.94	--	83.06	--	--	**0.03000**	--	**0.00800**	<0.0010	<0.0010	<0.0020	--	
MW-304D	6/8/2007	103.00	18.72	--	84.28	--	--	**0.04000**	--	**0.01000**	<0.0010	<0.0010	<0.0020	--	
MW-304D	9/15/2007	103.00	17.10	--	85.90	--	--	**0.04000**	--	**0.01000**	<0.0010	<0.0010	<0.0020	--	
MW-304D	1/30/2008	--	--	--	--	--	--	--	--	**0.00600**	<0.0010	<0.0010	<0.0020	--	
MW-304D	3/25/2008	103.00	19.98	--	83.02	--	--	<0.0500	--	**0.00377**	<0.00050	<0.00050	<0.0010	--	
MW-304D	6/30/2008	103.00	18.15	--	84.85	--	--	**0.03000**	--	**0.00700**	<0.002	<0.002	<0.005	--	
MW-304D	9/9/2008	103.00	16.93	--	86.07	--	--	**0.10000**	--	**0.04000**	<0.001	<0.001	<0.002	--	
MW-304D	12/12/2008	103.00	--	--	--	--	--	--	--	--	--	--	--	--	
MW-304D	1/13/2009	103.00	19.62	--	83.38	--	--	**0.04000**	--	**0.02000**	<0.002	<0.002	<0.005	--	
MW-304D	5/12/2009	103.00	19.10	--	83.90	--	--	**0.02000**	--	**0.00490**	<0.002	<0.002	<0.005	--	
MW-304D	9/30/2009	439.87	17.95	--	421.92	--	--	**0.01500**	--	**0.00260**	<0.002	<0.002	<0.005	--	
MW-304D	6/16/2010	439.87	13.91	--	425.96	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304D	9/25/2010	439.87	17.85	--	422.02	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304D	6/8/2011	439.87	19.12	--	420.75	--	--	--	--	--	--	--	--	--	
MW-304D	6/9/2011	--	--	--	--	--	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304D	9/19/2011	439.87	16.70	--	423.17	--	--	--	--	--	--	--	--	--	
MW-304D	9/20/2011	--	--	--	--	--	--	--	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304D	6/11/2012	439.87	17.42	--	422.45	--	--	--	--	--	--	--	--	--	
MW-304D	6/12/2012	--	--	--	--	--	--	<0.1	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304D	10/2/2012	439.90	17.61	--	422.29	--	--	--	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304D	6/10/2013	439.90	17.47	--	422.43	--	--	**0.06520 J**	--	**0.00390**	**0.000440 J**	<0.000240	<0.000720	--	
MW-304D	10/10/2013	439.90	17.81	--	422.09	--	--	--	--	**0.00420**	<0.00100	<0.00100	<0.00300	--	
MW-304D	6/30/2014	439.90	16.76	--	423.14	--	--	<0.1000	--	**0.00200**	<0.00100	<0.00100	<0.00300	--	
MW-304D	9/16/2015	439.90	17.18	--	422.72	--	--	**0.0350 J**	--	**0.00090 J**	<0.001	<0.001	<0.001	--	
MW-304D	8/3/2016	439.90	14.00	--	425.90	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304D	9/19/2017	439.70	14.58	--	425.12	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304D	8/20/2018	439.70	13.42	--	426.28	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.005	--	
MW-304D	7/10/2019	439.88	16.45	0.00	423.43	--	--	<0.25 J	--	<0.0030 J	<0.0020 J	<0.0030 J	**0.00094 J**	--	Depth to water taken from well survey dated July 25, 2019
MW-304D	6/24/2020	439.88	14.44	0.00	425.44	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	--	Depth to water taken during gauging event on 6/23/2020
MW-304D	7/16/2021	439.88	16.02	0.00	423.86	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	--	
MW-304D	7/14/2022	439.88	10.43	0.00	429.45	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300 B	--	
MW-304S	8/1/1994	434.51	16.21	--	418.3	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	9/29/1994	434.51	17.72	--	416.79	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	10/27/1994	434.51	18.6	--	415.91	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	11/9/1994	434.51	18.7	--	415.81	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	1/4/1995	434.51	18.2	--	416.31	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	3/27/1995	434.51	19.11	--	415.4	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	6/26/1995	434.51	16.97	--	417.54	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	12/11/1995	434.51	17.25	--	417.26	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-304S	3/6/1996	434.51	18.5	--	416.01	--	--	<0.050	--	**0.00092**	<0.005	<0.005	<0.001	--	
MW-304S	5/31/1996	434.51	17.66	--	416.85	--	--	--	--	***<0.005***	**0.00079**	<0.005	**0.00260**	--	
MW-304S	9/17/1996	434.51	17.53	--	416.98	--	--	--	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	12/12/1996	434.51	18.59	--	415.92	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	3/12/1997	434.51	19.4	--	415.11	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	

Notes:

MW = Groundwater monitoring well
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ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
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DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to Alaska Series Method AK102/103
DRO w/Si Gel = Total petroleum hydrocarbons, diesel range with silica gel by LUFT GC/MS according to Alaska Series Method AK102
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Analytes by United States Environmental Protection Agency (USEPA) Method 8260D:
Benzene, Toluene, Ethylbenzene, and Total Xylenes (collectively called BTEX)
Total Xylenes = Sum of m-, o-, and p-xylenes
MTBE = Methyl Tertiary-Butyl Ether
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[ ] = Blank Duplicate Sample Result
NAVD88 = The North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-304S	6/5/1997	434.51	18.7	--	415.81	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	9/18/1997	434.51	16.62	--	417.89	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	12/12/1997	434.51	18.91	--	415.6	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	3/26/1998	434.51	19.48	--	415.03	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	6/11/1998	434.51	18.82	--	415.69	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	9/21/1998	434.51	16.86	--	417.65	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	12/22/1998	434.51	18.83	--	415.68	--	--	<0.050	--	***<0.005***	<0.005	<0.005	<0.001	--	
MW-304S	3/23/1999	434.51	19.22	--	415.29	--	--	<0.050	--	***<0.005***	<0.005	<0.005	**0.00265**	--	
MW-304S	9/27/1999	434.51	17.73	--	416.78	--	--	<0.050	--	<0.0005	<0.005	<0.005	<0.001	--	
MW-304S	12/22/1999	434.51	18.76	--	415.75	--	--	<0.050	--	<0.0005	<0.005	<0.005	<0.001	--	
MW-304S	3/28/2000	434.51	19.65	--	414.86	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-304S	6/28/2000	434.51	16.68	--	417.83	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-304S	9/27/2000	434.51	15.54	--	418.97	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-304S	12/20/2000	434.51	10.00	--	424.51	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-304S	3/30/2001	434.51	18.90	--	415.61	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-304S	6/28/2001	434.51	17.57	--	416.94	--	--	<0.050	--	**0.00021**	<0.0005	<0.0005	<0.001	--	
MW-304S	3/27/2002	434.51	18.97	--	415.54	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-304S	4/7/2003	434.51	16.86	--	417.65	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-304S	3/23/2004	434.51	18.58	--	415.93	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-304S	4/6/2005	434.51	19.04	--	415.47	<0.0400	--	<0.0100	<0.0400	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-304S	3/29/2006	434.51	19.57	--	414.94	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
MW-304S	9/26/2006	102.69	--	--	--	--	--	--	--	--	--	--	--	--	
MW-304S	3/28/2007	102.69	19.48	--	83.21	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-304S	5/11/2009	102.69	18.91	--	83.78	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304S	10/1/2009	439.54	17.41	--	422.13	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304S	6/16/2010	439.54	18.65	--	420.89	--	--	--	--	--	--	--	--	--	
MW-304S	9/25/2010	439.54	17.26	--	422.28	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-304S	6/8/2011	439.54	18.43	--	421.11	--	--	--	--	--	--	--	--	--	
MW-304S	9/19/2011	439.54	16.35	--	423.19	--	--	--	--	--	--	--	--	--	
MW-304S	6/11/2012	439.54	17.05	--	422.49	--	--	--	--	--	--	--	--	--	
MW-304S	10/2/2012	439.57	17.25	--	422.32	--	--	--	--	--	--	--	--	--	
MW-304S	6/10/2013	439.57	16.93	--	422.64	--	--	--	--	--	--	--	--	--	
MW-304S	10/10/2013	439.57	17.33	--	422.24	--	--	--	--	--	--	--	--	--	
MW-304S	6/29/2014	439.57	16.31	--	423.26	--	--	--	--	--	--	--	--	--	
MW-304S	9/16/2015	439.57	16.29	--	423.28	--	--	--	--	--	--	--	--	--	
MW-304S	8/3/2016	439.57	13.69	--	425.88	--	--	--	--	--	--	--	--	--	
MW-304S	9/19/2017	439.37	14.59	--	424.78	--	--	--	--	--	--	--	--	--	
MW-304S	8/20/2018	439.37	13.28	--	426.09	--	--	--	--	--	--	--	--	--	
MW-304S	7/10/2019	439.56	16.13	0.00	423.43	--	--	--	--	--	--	--	--	--	Depth to water taken from well survey dated July 25, 2019
MW-304S	6/23/2020	439.56	14.06	0.00	425.50	--	--	--	--	--	--	--	--	--	Depth to water taken during gauging event on 6/23/2020
MW-304S	7/16/2021	439.56	15.67	0.00	423.89	--	--	--	--	--	--	--	--	--	
MW-304S	7/14/2022	439.56	14.10	0.00	425.46	--	--	--	--	--	--	--	--	--	

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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-305	8/2/1994	431.81	12.12	--	12.12	--	--	--	--	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	--	
MW-305	9/29/1994	431.81	13.8	--	13.8	--	--	--	--	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	--	
MW-305	6/27/1995	431.81	13.08	--	13.08	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-305	9/18/1995	431.81	11.17	--	11.17	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-305	5/31/1996	431.81	13.85	--	13.85	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	12/11/1996	431.81	14.7	--	14.7	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	3/12/1997	431.81	15.46	--	15.46	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	3/25/1998	431.81	15.75	--	15.75	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	9/21/1998	431.81	13.21	--	13.21	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	3/23/1999	431.81	15.37	--	15.37	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	3/28/2000	431.81	15.90	--	415.91	--	--	**0.05190**	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-305	9/26/2000	431.81	11.63	--	420.18	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-305	3/30/2001	431.81	15.08	--	416.73	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-305	3/27/2002	431.81	15.18	--	416.63	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-305	4/8/2003	431.81	13.22	--	418.59	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
MW-305	3/23/2004	--	--	--	--	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-305	3/24/2004	431.81	15.04	--	416.77	--	--	--	--	--	--	--	--	--	
MW-305	4/6/2005	431.81	15.21	--	416.60	<0.0400	--	<0.0100	**0.05600**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-305	4/7/2005	--	--	--	--	<0.0400	--	<0.0100	**0.05600**	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-305	3/30/2006	431.81	16.78	--	415.03	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	<0.0025	
MW-305	9/26/2006	99.50	--	--	--	--	--	--	--	--	--	--	--	--	
MW-305	3/31/2007	99.50	15.82	--	83.68	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-305	10/1/2009	436.76	13.75	--	423.01	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-305	6/16/2010	436.76	14.45	--	422.31	--	--	--	--	--	--	--	--	--	
MW-305	9/25/2010	436.76	13.37	--	423.39	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-305	6/8/2011	436.76	14.12	--	422.64	--	--	--	--	--	--	--	--	--	
MW-305	9/19/2011	436.76	12.76	--	424.00	--	--	--	--	--	--	--	--	--	
MW-305	6/11/2012	436.76	13.25	--	423.51	--	--	--	--	--	--	--	--	--	
MW-305	10/2/2012	436.38	13.78	--	422.60	--	--	--	--	--	--	--	--	--	
MW-305	6/10/2013	436.38	12.70	--	423.68	--	--	--	--	--	--	--	--	--	
MW-305	10/10/2013	436.38	13.71	--	422.67	--	--	--	--	--	--	--	--	--	
MW-305	6/29/2014	436.38	12.35	--	424.03	--	--	--	--	--	--	--	--	--	
MW-305	8/3/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-305	9/19/2017	436.38	--	--	--	--	--	--	--	--	--	--	--	--	
MW-305	8/20/2018	436.38	--	--	--	--	--	--	--	--	--	--	--	--	
MW-305	7/10/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-305	6/23/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to well cover design
MW-305	7/16/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-305	7/14/2022	436.38	11.06	0.00	425.32	--	--	--	--	--	--	--	--	--	Well vault missing completely. Only PVC and cap remain
MW-306	7/13/2006	--	10.36	--	--	--	--	<0.0100 [<0.0100]	--	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
MW-306	9/26/2006	97.93	--	--	--	--	--	--	--	--	--	--	--	--	
MW-306	3/31/2007	97.93	14.21	--	83.72	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
MW-306	5/12/2009	97.93	12.58	--	85.35	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-306	10/1/2009	434.35	11.76	--	422.59	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-306	6/16/2010	434.35	12.10	--	422.25	--	--	--	--	--	--	--	--	--	
MW-306	9/25/2010	434.35	11.33	--	423.02	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	

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4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-306	6/8/2011	434.35	12.01	--	422.34	--	--	--	--	--	--	--	--	--	
MW-306	9/19/2011	434.35	10.80	--	423.55	--	--	--	--	--	--	--	--	--	
MW-306	6/11/2012	434.35	11.13	--	423.22	--	--	--	--	--	--	--	--	--	
MW-306	10/2/2012	434.41	11.82	--	422.59	--	--	--	--	--	--	--	--	--	
MW-306	6/10/2013	434.41	10.45	--	423.96	--	--	--	--	--	--	--	--	--	
MW-306	10/10/2013	434.41	11.87	--	422.54	--	--	--	--	--	--	--	--	--	
MW-306	6/29/2014	434.41	10.12	--	424.29	--	--	--	--	--	--	--	--	--	
MW-306	9/16/2015	434.14	9.89	--	424.25	--	--	--	--	--	--	--	--	--	
MW-306	8/3/2016	434.14	7.31	--	426.83	--	--	--	--	--	--	--	--	--	
MW-306	9/19/2017	433.98	10.52	--	423.46	--	--	--	--	--	--	--	--	--	
MW-306	8/20/2018	433.98	8.82	--	425.16	--	--	--	--	--	--	--	--	--	
MW-306	7/10/2019	434.17	10.81	0.00	423.36	--	--	--	--	--	--	--	--	--	Depth to water taken from well survey dated July 25, 2019
MW-306	6/23/2020	434.17	8.94	0.00	425.23	--	--	--	--	--	--	--	--	--	Depth to water taken during gauging event on 6/23/2020
MW-306	7/16/2021	434.17	10.90	0.00	423.27	--	--	--	--	--	--	--	--	--	
MW-306	7/14/2022	434.17	8.98	0.00	425.19	--	--	--	--	--	--	--	--	--	
MW-307	7/13/2006	--	13.90	--	--	--	--	<0.0100	--	<0.00050	<0.00050	<0.00050	<0.00150	--	
MW-307	9/26/2006	101.09	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	3/31/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	5/8/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	10/1/2009	438.10	15.29	--	422.81	--	--	<0.10	--	<0.002	<0.002	<0.002	<0.005	--	
MW-307	6/16/2010	438.10	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	9/25/2010	439.10	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	6/8/2011	439.10	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	9/19/2011	439.10	14.38	--	424.72	--	--	--	--	--	--	--	--	--	
MW-307	6/11/2012	439.10	14.80	--	424.30	--	--	--	--	--	--	--	--	--	
MW-307	10/2/2012	438.19	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	6/10/2013	438.19	14.22	--	423.97	--	--	--	--	--	--	--	--	--	
MW-307	10/10/2013	438.19	--	--	--	--	--	--	--	--	--	--	--	--	
MW-307	6/29/2014	438.19	13.96	--	424.23	--	--	--	--	--	--	--	--	--	
MW-307	6/30/2014	--	--	--	--	<0.42	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00300	--	
MW-307	9/16/2015	438.19	13.60	--	424.59	**0.24000**	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
MW-307	8/3/2016	438.19	11.42	--	426.77	<0.25	<0.14	<0.1	<0.25	<0.001	<0.001	<0.001	<0.001	--	
MW-307	9/19/2017	438.03	14.39	--	423.64	--	--	--	--	--	--	--	--	--	
MW-307	8/20/2018	437.98	12.70	--	425.28	**0.17 J**	<0.26 J	<0.1	**0.21 J**	<0.001	<0.001	<0.001	<0.005	--	
MW-307	7/10/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	Well obstructed at 14.4 ft bTOC
MW-307	6/24/2020	438.11	12.85	0.00	425.26	<0.888 J	<0.888	<0.100	<0.888 J	<0.00100	<0.00100	<0.00100	<0.00300	--	Depth to water taken during gauging event on 6/23/2020
MW-307	7/16/2021	438.11	14.66	0.00	423.45	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-307	7/14/2022	438.11	12.91	0.00	425.20	<0.800	<0.800	<0.100	<0.800	<0.00100	<0.00100	<0.00100	<0.00300	--	
MW-309S	8/1/1994	436.91	18.35	--	418.56	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-309S	9/29/1994	436.91	19.57	--	417.34	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-309S	6/27/1995	436.91	19.18	--	417.73	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-309S	12/12/1995	436.91	19.43	--	417.48	--	--	--	--	<0.001	<0.001	<0.001	<0.001	--	
MW-309S	3/28/2000	436.91	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-309S	6/29/2000	436.91	--	--	--	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
MW-309S	3/1/2001	436.91	--	--	--	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
MW-309S	3/27/2002	436.91	--	--	--	--	--	--	--	--	--	--	--	--	

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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
MW-420	9/28/1999	--	--	--	--	--	--	**2.41**	--	**1.05**	<0.005	**0.06940**	**0.02100**	--	
GW-1	2/22/1994	--	--	--	--	--	--	**0.22000**	--	**0.10000**	<0.001	**0.00500**	**0.00100**	--	
GW-1	12/20/2000	--	--	--	--	--	--	<0.050	--	**0.01280**	<0.0005	<0.0005	<0.001	--	
GW-1	4/9/2005	--	--	--	--	**0.08700**	--	**0.04200**	**0.21000**	**0.00330**	**0.01300**	<0.0005	<0.0015		
GW-1B	9/27/1999	--	--	--	--	--	--	--	--	**0.02590**	<0.0005	<0.0005	<0.001	--	
GW-1B	12/22/1999	--	--	--	--			**0.05200**		**0.02390**	<0.0005	<0.0005	<0.001	--	
GW-1B	3/29/2000	--	--	--	--	--	--	**0.05990**	--	**0.02690**	**0.00068**	<0.0005	<0.001	--	
GW-1B	6/28/2000	--	--	--	--	--	--	**0.07310**	--	**0.02870**	**0.00097**	<0.0005	<0.001	--	
GW-1B	9/27/2000	--	--	--	--	--	--	<0.050	--	**0.01790**	<0.0005	<0.0005	<0.001	--	
GW-1B	6/28/2001	--	--	--	--	--	--	<0.050	--	**0.01690**	<0.0005	<0.0005	<0.001	--	
GW-1B	9/19/2001	--	--	--	--	--	--	<0.050	--	**0.00818**	<0.0005	<0.0005	<0.001	--	
GW-1B	12/12/2001	--	--	--	--	--	--	<0.050	--	**0.00532**	<0.0005	<0.0005	<0.001	--	
GW-1B	3/29/2002	--	--	--	--	--	--	<0.050	--	**0.00789**	<0.0005	<0.0005	<0.001	--	
GW-1B	6/25/2002	--	--	--	--	--	--	<0.050	--	**0.00743**	<0.0005	<0.0005	<0.001	--	
GW-1B	9/27/2002	--	--	--	--	--	--	<0.080	--	**0.00514**	<0.0005	<0.0005	<0.001	--	
GW-1B	12/17/2002	--	--	--	--	--	--	<0.050	--	**0.00385**	<0.0005	<0.0005	<0.001	--	
GW-1B	4/7/2003	--	--	--	--	--	--	**0.021 [0.019]**	--	**0.0063 [0.0064]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	
GW-1B	6/24/2003	--	--	--	--	--	--	**0.02300**	--	**0.00820**	<0.0005	<0.0005	<0.0015	--	
GW-1B	9/16/2003	--	--	--	--	--	--	**0.02200**	--	**0.00760**	<0.0005	<0.0005	<0.0015	--	
GW-1B	12/22/2003	--	--	--	--	--	--	**0.011 [0.011]**	--	**0.0033 [0.0034]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	
GW-1B	12/2/2004	--	--	--	--	**0.06600**	--	**0.01900**	**0.09400**	**0.00420**	<0.00050	<0.00050	<0.00150	--	
GW-1B	6/27/2005	--	--	--	--	**0.042 [0.037]**	--	**0.012 [0.014]**	**0.1 [0.087]**	**0.0043 [0.0043]**	<0.00050 [0.0006]	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
GW-1B	9/21/2005	--	--	--	--	<0.0200 [<0.0210]	--	**0.02 [0.017]**	<0.0200 [<0.0210]	**0.0041 [0.004]**	**0.0013 [0.0007]**	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
GW-1B	12/6/2005	--	--	--	--	--	--	<0.0100 [<0.0100]	--	**0.002 [0.002]**	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
GW-1B	3/29/2006	--	--	--	--	--	--	**0.048 [0.049]**	--	**0.015 [0.016]**	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00150 [<0.00150]	<0.0025 [<0.0025]	
GW-1B	9/26/2006	--	--	--	--	--	--	<0.0100 [<0.0100]	--	**0.0013 [0.0013]**	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00150 [<0.00150]	--	
GW-1B	12/19/2006	--	--	--	--	--	--	<0.0100 [<0.0100]	--	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0020 [<0.0020]	--	
GW-1B	3/28/2007	--	--	--	--	--	--	<0.0100 [<0.0100]	--	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0020 [<0.0020]	--	
GW-1B	6/8/2007	--	--	--	--	--	--	<0.0100 [<0.0100]	--	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0020 [<0.0020]	--	
GW-1B	9/14/2007	--	--	--	--	--	--	<0.0100 [<0.0100]	--	**0.001 [0.001]**	<0.0010 [<0.0010]	<0.0010 [<0.0010]	<0.0020 [<0.0020]	--	
GW-1B	6/6/2008	--	--	--	--	--	--	<0.0100	--	<0.002	<0.002	<0.002	<0.005	<0.01	
GW-1B	6/27/2008	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-1B	7/15/2008	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-1B	8/5/2008	--	--	--	--	--	--	<0.1000	--	**0.00240**	<0.00100	**0.00220**	<0.00200	--	
GW-1B	9/26/2008	--	--	--	--	--	--	<0.1000	--	**0.00150**	<0.00100	<0.00100	<0.00200	--	
GW-1B	10/28/2008	--	--	--	--	--	--	<0.1000	--	**0.00130**	<0.00100	<0.00100	<0.00200	--	
GW-1B	11/19/2008	--	--	--	--	--	--	<0.1000	--	**0.00180**	<0.00100	<0.00100	<0.00200	--	
GW-1B	12/22/2008	--	--	--	--	--	--	<0.1000	--	**0.00160**	<0.00100	<0.00100	<0.00200	--	
GW-1B	1/29/2009	--	--	--	--	--	--	<0.1000	--	**0.00100**	<0.00100	<0.00100	<0.00200	--	
GW-1B	2/26/2009	--	--	--	--	--	--	<0.1000	--	**0.00220**	<0.00100	<0.00100	<0.00200	--	
GW-1B	3/26/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-1B	4/21/2009	--	--	--	--	--	--	<0.1000	--	**0.00100**	<0.00100	<0.00100	<0.00200	--	

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ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
GW-1B	5/8/2009	--	--	--	--	--	--	<0.1000	--	**0.00240**	<0.00120	<0.00150	<0.00200	--	
GW-1B	6/24/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	7/23/2009	--	--	--	--	--	--	<0.1000	--	**0.00110**	<0.00120	<0.00150	<0.00300	--	
GW-1B	8/26/2009	--	--	--	--	--	--	**0.37000**	--	**0.00330**	**0.00210**	<0.00150	<0.00300	--	
GW-1B	9/28/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	10/23/2009	--	--	--	--	--	--	<0.1000	--	**0.00100**	<0.00120	<0.00150	<0.00300	--	
GW-1B	12/14/2009	--	--	--	--	--	--	<0.1000	--	**0.00100**	<0.00120	<0.00150	<0.00300	--	
GW-1B	1/13/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	2/10/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	3/17/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	4/21/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	5/26/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	6/16/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	7/23/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	9/28/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	6/9/2011	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	9/20/2011	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	6/12/2012	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	10/2/2012	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-1B	8/15/2013	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	2/22/1994	--	--	--	--	--	--	<0.050	--	**0.00500**	<0.001	<0.001	<0.001	--	
GW-2	9/27/1999	--	--	--	--	--	--	--	--	**0.02600**	<0.0005	<0.0005	<0.001	--	
GW-2	12/22/1999	--	--	--	--	--	--	**60.8**	--	**0.00245**	<0.0005	<0.0005	<0.001	--	
GW-2	3/29/2000	--	--	--	--	--	--	<0.050	--	**0.00203**	<0.0005	<0.0005	<0.001	--	
GW-2	6/28/2000	--	--	--	--	--	--	<0.050	--	**0.00111**	<0.0005	<0.0005	<0.001	--	
GW-2	9/27/2000	--	--	--	--	--	--	<0.050	--	**0.00086**	**0.00055**	<0.0005	**0.00119**	--	
GW-2	12/20/2000	--	--	--	--	--	--	<0.050	--	**0.00172**	<0.0005	<0.0005	<0.001	--	
GW-2	6/28/2001	--	--	--	--	--	--	<0.050	--	**0.00111**	<0.0005	<0.0005	<0.001	--	
GW-2	3/29/2002	--	--	--	--	--	--	<0.050	--	**0.00115**	<0.0005	<0.0005	<0.001	--	
GW-2	4/7/2003	--	--	--	--	--	--	<0.010	--	**0.00120**	<0.0005	<0.0005	<0.0015	--	
GW-2	6/27/2005	--	--	--	--	**0.03100**	--	**0.03400**	**0.07900**	**0.01200**	<0.00050	<0.00050	<0.00150	--	
GW-2	9/21/2005	--	--	--	--	<0.0210	--	**0.01700**	<0.0210	**0.00520**	<0.00050	<0.00050	<0.00150	--	
GW-2	3/29/2006	--	--	--	--	--	--	**0.04800**	--	**0.01500**	<0.00050	<0.00050	<0.00150	<0.0025	
GW-2	6/7/2006	--	--	--	--	--	--	**0.065 [0.062]**	--	**0.021 [0.020]**	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00150 [<0.00150]		
GW-2	3/28/2007	--	--	--	--	--	--	<0.0100	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
GW-2	6/8/2007	--	--	--	--	--	--	<0.0100	--	**0.00100**	<0.0010	<0.0010	<0.0020	--	
GW-2	9/14/2007	--	--	--	--	--	--	<0.0100	--	**0.00100**	<0.0010	<0.0010	<0.0020	--	
GW-2	6/6/2008	--	--	--	--	--	--	<0.0100	--	<0.002	<0.002	<0.002	<0.005	<0.01	
GW-2	6/27/2008	--	--	--	--	--	--	<0.1000	--	**0.00790**	<0.00100	<0.00100	<0.00200	--	
GW-2	7/15/2008	--	--	--	--	--	--	<0.1000	--	**0.00390**	<0.00150	<0.00120	<0.00300	--	
GW-2	8/5/2008	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-2	9/26/2008	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-2	10/28/2008	--	--	--	--	--	--	<0.1000	--	**0.00110**	<0.00100	<0.00100	<0.00200	--	
GW-2	11/19/2008	--	--	--	--	--	--	<0.1000	--	**0.00170**	<0.00100	<0.00100	<0.00200	--	

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Total Xylenes = Sum of m-, o-, and p-xylenes
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First Quarter 1994 - 2022
University Car Care Center / Former Texaco 211081
4103 Geist Road, Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
GW-2	12/22/2008	--	--	--	--	--	--	<0.1000	--	**0.00150**	<0.00100	<0.00100	<0.00200	--	
GW-2	1/29/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-2	2/26/2009	--	--	--	--	--	--	<0.1000	--	**0.00160**	<0.00100	<0.00100	<0.00200	--	
GW-2	3/26/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-2	4/21/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00100	<0.00100	<0.00200	--	
GW-2	5/8/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	6/24/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	7/23/2009	--	--	--	--	--	--	<0.1000	--	**0.00130**	<0.00120	<0.00150	<0.00300	--	
GW-2	8/26/2009	--	--	--	--	--	--	**0.38000**	--	**0.00360**	<0.00120	<0.00150	<0.00300	--	
GW-2	9/28/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	10/23/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	12/14/2009	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	1/13/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	2/10/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	3/17/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	4/21/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	5/26/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	6/16/2010	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	8/17/2010	--	--	--	--	--	--	<0.1000	--	**0.00210**	<0.00120	<0.00150	<0.00300	--	
GW-2	6/9/2011	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	9/19/2011	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	6/12/2012	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	10/2/2012	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-2	8/15/2013	--	--	--	--	--	--	<0.1000	--	<0.00100	<0.00120	<0.00150	<0.00300	--	
GW-30	4/6/2005	--	--	--	--	**0.12000**	--	**0.03400**	**0.35000**	**0.00350**	**0.00960**	<0.0005	<0.0015	--	
QA (TB)	3/28/2000	--	--	--	--	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
QA (TB)	3/29/2000	--	--	--	--	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
QA (TB)	9/27/2002	--	--	--	--	--	--	<0.0500	--	<0.0002	<0.0005	<0.0005	<0.001	--	
QA (TB)	6/28/2000	--	--	--	--	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
QA (TB)	6/27/2000	--	--	--	--	--	--	<0.050	--	<0.0005	<0.0005	<0.0005	<0.001	--	
QA (TB)	12/9/2000	--	--	--	--	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
QA (TB)	12/20/2000	--	--	--	--	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
QA (TB)	6/28/2001	--	--	--	--	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
QA (TB)	12/12/2001	--	--	--	--	--	--	<0.050	--	<0.0002	**0.00057**	<0.0005	**0.00105**	--	
QA (TB)	3/28/2002	--	--	--	--	--	--	<0.050	--	<0.0002	<0.0005	<0.0005	<0.001	--	
QA (TB)	6/25/2002	--	--	--	--	--	--	<0.050	--	<0.0002	**0.00052**	<0.0005	<0.001	--	
QA (TB)	9/28/2002	--	--	--	--	--	--	<0.080	--	<0.0005	<0.0005	<0.0005	<0.001	--	
QA (TB)	4/8/2003	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	6/24/2003	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	9/16/2003	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	12/22/2003	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	4/6/2005	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	9/21/2005	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL thickness (ft)	GW Elev (ft amsl)	DRO (mg/L)	DRO w/Si gel (mg/L)	GRO (mg/L)	RRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	
QA (TB)	12/7/2005	--	--	--	--	--	--	**0.01100**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	3/29/2006	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	
QA (TB)	6/7/2006	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	7/13/2006	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	9/26/2006	--	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	
QA (TB)	12/19/2006	--	--	--	--	--	--	<0.010	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
QA (TB)	1/30/2008	--	--	--	--	--	--	--	--	**0.00600**	<0.0010	<0.0010	<0.0020	--	
QA (TB)	7/15/2008	--	--	--	--	--	--	--	--	<0.0010	<0.0010	<0.0010	<0.0020	--	
QA (TB)	9/11/2008	--	--	--	--	--	--	<0.01	--	<0.001	<0.001	<0.001	<0.002	--	
QA (TB)	8/3/2016	--	--	--	--	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
QA (TB)	9/19/2017	--	--	--	--	--	--	<0.1	--	<0.001	<0.001	<0.001	<0.001	--	
QA (TB)	8/20/2018	--	--	--	--	--	--	<0.014	--	<0.0002	<0.0002	<0.0002	<0.0005	--	
QA (TB)	6/24/2020	--	--	--	--	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	--	Depth to water taken during gauging event on 6/23/2020
QA (TB)	7/16/2021	--	--	--	--	--	--	**0.0488 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	--	
QA (TB)	7/14/2022	--	--	--	--	--	--	**0.0307 J**	--	<0.00100	<0.00100	<0.00100	**0.000266 J**	--	
QA (EQB)	6/25/2020	--	--	--	--	<0.840	<0.840	<0.100	<0.840	<0.00100	<0.00100	<0.00100	<0.00300	--	Depth to water taken during gauging event on 6/23/2020
QA (EQB)	7/16/2021	--	--	--	--	**0.385 J**	**0.385 J**	**0.0297 J**	<0.800	**0.000265 J**	<0.00100	**0.000314 J**	**0.000854 J**	--	
QA (EQB)	7/14/2022	--	--	--	--	<0.800	<0.800	<0.100	<0.800	<0.00100	<0.00100	<0.00100	<0.00300	--	

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Attachment D

ADEC Data Review Checklist

Laboratory Data Review Checklist

Completed By:

Dilip Kumar H S

Title:

Project Chemist

Date:

August 07, 2023

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1635476

Laboratory Report Date:

07/14/2023

CS Site Name:

Semi Annual 2023 Groundwater Monitoring Report

ADEC File Number:

100.26.023

Hazard Identification Number:

23798

Note: Any N/A or No box checked must have an explanation in the comments box.

1. Laboratory

   a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS-LAP approved?

   Yes☐ No☐ N/A☒ Comments:

Not applicable.

2. Chain of Custody (CoC)

   a. Is the CoC information completed, signed, and dated (including released/received by)?

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. Were the correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

Yes.

3. Laboratory Sample Receipt Documentation

   a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. Is the sample preservation acceptable – acidified waters, methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

   Yes☒ No☐ N/A☐ Comments:

Yes.

   c. Is the sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials); canister vacuum/pressure checked and no open valves etc?

   Yes☒ No☐ N/A☐ Comments:

Yes.

   d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?

   Yes☒ No☐ N/A☐ Comments:

Yes. no discrepancies.

e. Is the data quality or usability affected?

Comments:

Data quality or usability was not affected.

4. Case Narrative

a. Is the case narrative present and understandable?

Yes☒ No☐ N/A☐ Comments:

Yes.

b. Are there discrepancies, errors, or QC failures identified by the lab?

Yes☒ No☐ N/A☐ Comments:

Yes. no discrepancies.

c. Were all corrective actions documented?

Yes☒ No☐ N/A☐ Comments:

Yes.

d. What is the effect on data quality/usability according to the case narrative?

Comments:

Data quality or usability was not affected.

5. Samples Results

a. Are the correct analyses performed/reported as requested on COC?

Yes☒ No☐ N/A☐ Comments:

Yes.

b. Are all applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

Yes.

c. Are all soils reported on a dry weight basis?

Yes☐ No☒ N/A☐ Comments:

No soil samples were submitted for analysis.

d. Are the reported limit of quantitation (LOQs) or limits of detection (LOD), or reporting limits (RL) less than the Cleanup Level for the project?

Yes☒ No☐ N/A☐ Comments:

Yes.

e. Is the data quality or usability affected?

Data quality or usability was not affected.

6. QC Samples

a. Method Blank

i. Was one method blank reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Are all method blank results less than limit of quantitation LOQ (or RL)?

Yes☐ No☒ N/A☐ Comments:

No.

iii. If above LOQ or RL, what samples are affected?

Comments:

Sample Locations	Method	Compounds	Sample Result	Qualification
MW-304S-W-20230712	AK 101	TPHGAK C6 to C10	Detected sample results <RL and <BAL	"UB" at the RL
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712	AK102/103	AK102 DRO C10-C25	Detected sample results <RL and <BAL	"UB" at the RL
G-3-W-20230712 G-5-W-20230712 BD-1-W-20230712			Detected sample results >RL and <BAL	"UB" at detected sample concentration
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712	AK102SGT	AK102 DRO C10-C25	Detected sample results <RL and <BAL	"UB" at the RL
G-3-W-20230712 BD-1-W-20230712			Detected sample results >RL and <BAL	"UB" at detected sample concentration

Note:
RL Reporting limit

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☒ No☐ N/A☐ Comments:

Yes.

v. Data quality or usability affected?

Comments:

The method blank contamination is considered minor and would result in the non-detect of the associated data. The reported data should still consider as usable.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

Yes.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes☐ No☒ N/A☐ Comments:

No.

Sample locations associated with the LCS/LCSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Method	Compounds	LCS Recovery	LCSD Recovery
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712 G-3-W-20230712 G-5-W-20230712 BD-1-W-20230712 EQB-1-W-20230712 TRIP BLANK 1-20230712 TRIP BLANK 2-20230712 TRIP BLANK 3-20230712 TRIP BLANK 4-20230712	8260D	tert-Butylbenzene	< LL but > 10%	AC
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712 G-3-W-20230712 G-5-W-20230712 BD-1-W-20230712 EQB-1-W-20230712	AK102SGT	AK102 DRO C10-C25	AC	< LL but > 10%

Note:
AC – Acceptable
LL – Lower control limit

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCSS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

iv. Precision –Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes☒ No☐ N/A☐ Comments:

Yes.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Recovery:
Method SW846 8260D: LCS recovery for tert-Butylbenzene was less than the control limit. Samples MW-306-W-20230712, MW-301S-W-20230712, MW-301D-W-20230712, MW-304S-W-20230712, MW-304D-W-20230712, MW-305-W-20230712, G-9-W-20230712, G-1R-W-20230712, G-8-W-20230712, G-7-W-20230712, G-3-W-20230712, G-5-W-20230712, BD-1-W-20230712, EQB-1-W-20230712, TRIP BLANK 1-20230712, TRIP BLANK 2-20230712, TRIP BLANK 3-20230712 and TRIP BLANK 4-20230712 were qualified as estimated (UJ).

Method AK102SGT: LCSD recovery for AK102 DRO C10-C25 was less than the control limit. Samples MW-306-W-20230712, MW-301S-W-20230712, MW-301D-W-20230712, MW-304S-W-20230712, MW-304D-W-20230712, MW-305-W-20230712, G-9-W-20230712, G-1R-W-20230712, G-8-W-20230712, G-7-W-20230712, G-3-W-20230712, G-5-W-20230712, BD-1-W-20230712, EQB-1-W-20230712 were qualified as estimated (J/UJ).

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☒ No☐ N/A☐ Comments:

Yes.

vii. Is the data quality or usability affected? (Use comment box to explain.)

Comments:

The LCS/LCSD recovery exceedances are considered minor and would result in the estimation of associated data. The reported data should still consider as usable.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Note: Leave blank if not required for project

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

The MS/MSD analysis was performed on sample ID G-8-W-20230712.

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?

Yes☒ No☐ N/A☐ Comments:

The MS/MSD analysis was performed on sample ID G-8-W-20230712.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes☐ No☒ N/A☐ Comments:

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Method	Compounds	MS Recovery	MSD Recovery
G-8-W-20230712	8260D	Acrolein	< 10%	< 10%
G-8-W-20230712	AK102/103	AK102 DRO C10-C25	< LL but > 10%	< LL but > 10%
G-8-W-20230712	AK102SGT	AK102 DRO C10-C25	< LL but > 10%	< LL but > 10%

Note:

LL – Lower control limit

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes☒ No☐ N/A☐ Comments:

Yes.

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

Recovery:
Method SW846 8260D: MS/MSD recovery for Acrolein was less than 10% of the control limit in sample G-8-W-20230712. Target compound result in associated sample was qualified as rejected (R).
Method AK 102/103 and AK 102SGT: MS/MSD recovery for AK102 DRO C10-C25 was less than the control limit in sample G-8-W-20230712. Target compound result in associated sample was qualified as estimated (UJ).

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes☒ No☐ N/A☐ Comments:

Yes.

vii. Is the data quality or usability affected? (Use comment box to explain.)

Comments:

MS/MSD recovery and RPD exceedance are considered minor and would result in the estimation of the associated data. The reported data should still consider as usable.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC and laboratory samples?

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples 60-120% R for QC samples ; all other analyses see the laboratory report pages)

Yes☒ No☐ N/A☐ Comments:

Yes.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?

Yes☒ No☐ N/A☐ Comments:

Yes.

iv. Is the data quality or usability affected?

Comments:

Data quality or usability was not affected.

e. Trip Blanks

i. Is one trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

Yes☒ No☐ N/A☐ Comments:

Trip blank samples were collected as TRIP BLANK 1, TRIP BLANK 2, TRIP BLANK 3 and TRIP BLANK 4

ii. Are all results less than LOQ or RL?

Yes☒ No☐ N/A☐ Comments:

Yes.

iii. If above LOQ or RL, what samples are affected?

Comments:

None of the samples were affected.

iv. Is data quality or usability affected?

Comments:

Data quality or usability was not affected.

f. Field Duplicate

i. Are one field duplicate submitted per matrix, analysis and 10 project samples?

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Was the duplicate submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

Yes.

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water, 50% soil)

$$RPD\ (\%) = \text{Absolute value of: } \frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$$

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☐ No☒ N/A☐ Comments:

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Method	Compounds / Analytes	Sample Result	Duplicate Result	RPD
G-3-W-20230712/BD-1-W-20230712	6010D	Lead	3.31 J	4.18 J	AC
	AK 101	TPHGAK C6 to C10	5690	5800	1.9 %
	8260D	1,2-Dibromoethane	0.8	0.8	AC
		Benzene	605	669	10 %
		sec-Butylbenzene	7.28 J	7.77	AC
		Ethylbenzene	317	331	4.3 %
		Isopropylbenzene	34.6	40.1	AC
		2-Butanone (MEK)	43.2 J	10 U	AC
		Naphthalene	12.5 J	15.7	AC
		n-Propylbenzene	63.1	72.6	14 %
		Toluene	10.6	10.6	AC
		1,2,4-Trimethylbenzene	329	407	21.2 %
		1,2,3-Trimethylbenzene	10 U	58.9	NC
		Xylenes, Total	920	990	7.3 %
		o-Xylene	276	285	3.2 %
		m&p-Xylene	644	705	9 %
	8011	Ethylene Dibromide	0.496	0.494	0.4 %
	AK 102/103	AK102 DRO C10-C25	1310	1270	AC
	AK 102SGT	AK102 DRO C10-C25	922	924	AC
	8270E-SIM	Naphthalene	21.4	18.1	16.7 %

Notes:
AC Acceptable
NC Noncompliance
Method SW846 8260D: The compound 1,2,3-trimethylbenzene associated with sample locations G-3-W-20230712 and BD-1-W-20230712 exhibited a field duplicate difference greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated (J/UJ).

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Field duplicate RPD exceedance are considered minor and would result in the estimation of the associated data. The reported data should still consider as usable.

g. Decontamination or Equipment Blank

i. Were decontamination or equipment blanks collected?

Yes☒ No☐ N/A☐ Comments:

Equipment blank sample was collected as EQB-1-W-20230712.

ii. Are all results less than LOQ or RL?

Yes☐ No☒ N/A☐ Comments:

No.

iii. If above LOQ or RL, specify what samples are affected?

Comments:

Sample Locations	Method	Compound	Sample Result	Qualification
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712	AK 102/103	AK102 DRO C10-C25	Detected sample results >RL and >BAL	"UB" at RL
G-3-W-20230712 G-5-W-20230712 BD-1-W-20230712		AK102 DRO C10-C25	Detected sample results >RL and >BAL	"UB" at RL
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712	AK 102SGT	AK102 DRO C10-C25	Detected sample results >RL and >BAL	"UB" at RL
G-3-W-20230712 BD-1-W-20230712		AK102 DRO C10-C25	Detected sample results >RL and >BAL	"UB" at RL

Note:
RL Reporting limit

iv. Are data quality or usability affected?

Comments:

The equipment blank contamination is considered minor and would result in the non-detect of the associated data. The reported data should still consider as usable.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Are they defined and appropriate?

Yes☒ No☐ N/A☐ Comments:

Yes.

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compounds	Recovery
MW-306-W-20230712 MW-301S-W-20230712 MW-301D-W-20230712 MW-304S-W-20230712 MW-304D-W-20230712 MW-305-W-20230712 G-9-W-20230712 G-1R-W-20230712 G-8-W-20230712 G-7-W-20230712 G-3-W-20230712 G-5-W-20230712 BD-1-W-20230712 EQB-1-W-20230712 TRIP BLANK 1-20230712 TRIP BLANK 2-20230712 TRIP BLANK 3-20230712 TRIP BLANK 4-20230712	CCV %D	1,1,2,2-Tetrachloroethane	Low
		1,2,3-Trichlorobenzene	
		1,2-Dibromo-3-Chloropropane	
		Acrolein	
		Naphthalene	
		p-Isopropyltoluene	
		tert-Butylbenzene	

Results associated with calibrations outside of the recovery limits are qualified as estimated (UJ/J).

Compounds analyzed at a dilution for sample results that were greater than the calibration. The diluted results were reported and qualified as being reported at a dilution (D).

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
G-3-W-20230712	1,2-Dibromoethane	--	0.800	0.800 D
BD-1-W-20230712	1,2-Dibromoethane	--	0.800	0.800 D
	Benzene	--	669	669 D
	Ethylbenzene	--	331	331 D
	1,2,4-Trimethylbenzene	--	407	407 D