Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Spill Prevention and Response, Contaminated Sites Program
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Haines, Alaska 99827

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Date: December 11, 2024
Our Ref: 30064225
Subject: Second Half 2024 Groundwater Monitoring Report
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road, Anchorage Alaska
ADEC File No.: 2100.26.115
ADEC Hazard ID: 23369

Dear Ms. Reams,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis), has prepared this report to document the second half 2024 groundwater monitoring activities for the Unocal #5057 Former (306450) (Chevron Facility No.306450) located at 4351 Old International Airport Road, Anchorage, Alaska (site). This work was conducted under the direction of a “Qualified Environmental Professional” by a “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.

Gerald A. Robinson
Project Manager
Email: Gerald.Robinson@arcadis.com
Direct Line: 412.735.2749

Copies
James Kiernan, CEMC *(electronic copy)*
Scott Lytle, Anchorage International Airport. *(electronic copy)*

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: December 11, 2024

SECOND HALF 2024 GROUNDWATER MONITORING REPORT

Work Conducted This Period [Second Half 2024]:

1. Conducted the second half groundwater monitoring activities on October 9 and 10, 2024.
2. Prepared the *Second Half 2024 Groundwater Monitoring Report*.
3. Completed scope of work associated with the onsite portion of the approved Soil and Groundwater Investigation Work Plan.

Work Proposed Next Period [First Half 2025]:

1. Prepare and submit Site Investigation Report.
2. Conduct the first half 2025 groundwater monitoring activities.
3. Prepare the First Half 2025 Groundwater Monitoring Report.

Site Description

The site is a vacant lot located in a commercial area on Anchorage Airport property at the intersection of Old International Airport Road and South Aircraft Drive. The geology of Anchorage area is dominated by glacial outwash. The Bootlegger Cove formation underlies most of Anchorage and consists of fine-grained sediments (fine sand and silt). The site geology consists of inter-bedded sand and silt layers to approximately 60 feet below ground surface (bgs). A clay layer has been observed at depths from 28 to 45 feet bgs at thicknesses ranging from 0.5 to 5 feet. These clay lenses appear to act as localized confining layers causing a perched groundwater table in some areas onsite (Arcadis 2008). The depth to water in groundwater monitoring wells has ranged from 23.00 to 59.40 feet bgs. The general historical groundwater flow direction is to the south-southwest to southwest. Union Oil Company of California (Unocal), a CEMC affiliate, formerly operated the service station from 1953 through 1988 when it was decommissioned. In 1988, the facility building, six petroleum underground storage tanks (USTs), dispenser pumps, and three vertical above-ground petroleum storage tanks (ASTs) were removed from the property. Five of the six USTs have been removed and one state-owned UST remains on site. This UST was abandoned in place and is currently situated underneath an off-site building; therefore, could not be removed. During facility decommissioning activities, approximately 2,800 cubic yards of petroleum hydrocarbon impacted soil were removed from the site. Limitations of the excavation equipment prevented complete removal of all impacted soil in the former pump island and AST areas. Confirmation soil samples indicated petroleum hydrocarbon-impacted soils remain in place outside the excavation limits. Impacted soil located near the former ASTs and in the former dispenser island area remains.

On March 21, 2023, the Alaska Department of Environmental Conservation (ADEC) approved a *Groundwater Sampling Analyte Reduction Request – Groundwater Sampling Work Plan Addendum* which included the monitoring and sampling of monitoring wells MW-5, MW-5A, MW-7, MW-7A, MW-9, MW-14, and RW-14 semi-annual, and monitoring wells MW-10 through MW-13 annually during the third quarter. The surrounding properties include Anchorage International Airport commercial offices and warehouses. Previously soil vapor investigations were completed on the adjacent property located at 4510 Airport Road. is the location for the soil vapor investigation.

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In 2024, site investigation activities were completed for the onsite portion of the approved work plan. Four deep water-bearing zone monitoring wells (MW-9D, MW-15D, MW-16D and MW-17) and two shallow water-bearing zone monitoring wells (MW-15 and MW-16) were installed, and 10 soil borings were advanced. A site location map and site plan are shown as Figures 1 and 2, respectively.

Site Activities this Reporting Period

Current phase of project:	Monitoring
Frequency of monitoring and sampling:	Semi-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)	23.00 (MW-14) to 53.00 (MW-7A)
Approximate groundwater elevation: (feet relative to NAVD88)	33.07 (MW-12) to 60.63 (MW-14)
Groundwater flow direction	South-southwest
Groundwater gradient (feet per foot)	0.054
Current remediation techniques:	None
Summary of unusual activity:	Monitoring well MW-14, MW-15, and MW-16 had insufficient water to sample.
Agency directive requirements:	None

Groundwater Gauging and Sampling Methods

On October 9 and 10, 2024, the second half 2024 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 ADEC Field Sampling Guidance (ADEC 2022a) and Arcadis *Standard 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 0.3 foot. 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 200 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 exception: Monitoring well MW-14, MW-15, and MW-16 had insufficient water to sample. 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:

- Total petroleum hydrocarbons as gasoline range organics (GRO) by Alaska Method AK101.
- Total petroleum hydrocarbons as diesel range organics (DRO) by Alaska Method AK102.
- Full-List volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D and 1,2,3-TCP/EDB by USEPA low level 524.
- Polycyclic Aromatic Hydrocarbons (PAHs) by USEPA Method 8270E-SIM.
- Total and Dissolved Lead by USEPA Method 6010D.

Groundwater duplicate samples (BD-1 and BD-2) were collected from monitoring well MW-11 and MW-5 and submitted blind to Pace, respectively. Additionally, an equipment blank sample (EQB-1) was collected, and trip blanks (Trip Blank 1, Trip Blank 2, Trip Blank 3, Trip Blank 4, and Trip Blank 5) 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 from the most recent sampling event are summarized in Tables 2 and 3. COPCs exceeding GCLs are summarized below and are illustrated on Figures 4 and 5. The laboratory report is included as Attachment B**.**

Table 1-1. Summary of Current Groundwater Analytical Exceedances

Analyte	ADEC GCL (µg/L)	Number of samples exceeding the ADEC GCL^	Maximum Exceedance (Well) (µg/L)
DRO	1,500	4	15,800 (MW-7)
GRO	2,200	3	86,100 (MW-7)
Benzene	4.6	6	2,200 (MW-7)
Toluene	1,100	1	33,100 (MW-7)
Ethylbenzene	15	4	3,650 (MW-7)
Total Xylenes	190	2	24,800 (MW-7)
1,2-Dibromoethane	0.075	2	160 D J (MW-7)
1,2-Dichloroethane	1.7	4	18.3 J (MW-9D)
1,2,4-Trimethylbenzene	56	2	2,260 (MW-7)
1,3,5-Trimethylbenzene	60	2	667 (MW-7)
Lead	15	1	496 (MW-7)
Dissolved Lead	15	2	528 (MW-7)
1-Methylnaphthalene	11	1	52.7 (MW-7)
2-Methylnaphthalene	36	1	89.8 (MW-7)
Naphthalene by Method 8270E-SIM	1.7	3	305 D (MW-7)

Notes:
^ = This count of samples exceeding the ADEC GCL includes duplicate samples.
µg/L = milligram per liter.
J = The associated numerical value is an estimated concentration only.
D = The diluted results were reported and qualified as being reported at a dilution.

Historical analytical results (pre-2023) are presented in Attachment C. Historical analytical data from spring of 2023 to current are summarized in Tables 4 and 5.

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 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and naphthalene in sample locations MW-5, MW-9D, MW-10, MW-11, MW-12, MW-13, MW-15D, MW-16D, MW-17, RW-14, and trip blanks (Trip Blank 1, Trip Blank 2, Trip Blank 3, Trip Blank 4, and Trip Blank 5) for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.
    - Continuing calibration recovery were less than the control limit for 1,2,4-trichlorobenzene, 2,2-dichloropropane, bromomethane, naphthalene, n-butylbenzene and styrene in sample locations

BD-2 (collected from MW-5), MW-7, MW-7A, and EQB-1 for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.

- Continuing calibration recovery were less than the control limit for bromomethane, and chloromethane in sample locations Trip Blank 4 and Trip Blank 5 for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.
- Continuing calibration recovery were less than the control limit for 1,2-dichloroethane, acrolein, bromomethane, chloroethane, trichlorofluoromethane and vinyl chloride in sample locations MW-5A and MW-9 for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.
- Continuing calibration recovery were less than the control limit for 1,2,4-trimethylbenzene, 2-butanone (MEK), 4-chlorotoluene, acrolein, bromobenzene, carbon disulfide, di-isopropyl ether and n-propylbenzene in sample locations BD-1 (collected from MW-11) for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.
- Matrix spike (MS) recovery for acrolein was less than ten percent of the control limit in sample MW-5A-W-20241009 for USEPA Method 8260D. Associated non-detected compounds result in the associated sample locations were qualified as rejected. Surrogate recovery was greater than the control limit for sample locations MW-9D, MW-10, MW-11, MW-12, MW-13, MW-15D, MW-16D, MW-17, RW-14, and Trip Blank 3 for USEPA Method 8260. Associated compounds result in the associated sample locations were qualified as estimated.
- Surrogate recovery was less than ten percent of the control limit for sample location MW-9 for USEPA Method 8270E SIM. Associated detected compounds result in the associated sample locations were qualified as estimated. Associated non-detected compounds result in the associated sample locations were qualified as rejected.
- The percent recoveries reported were within method or laboratory detection limits and project specified objectives except for the rejected result in samples MW-5A and MW-9 which is not usable.

- Precision:
  - Relative Percent Difference (RPD) for LCS/LCSD was exceeded for acrolein. Sample locations MW-5A and MW-9 for USEPA Method 8260D were qualified as estimated for this compound.
  - RPD for MS/MSD was exceeded for acrolein, anthracene, acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, 1-methylnaphthalene, 2-methylnaphthalene and 2-chloronaphthalene. Sample locations MW-5A for USEPA Method 8270E SIM were qualified as estimated for these compounds.
  - Based on the laboratory control sample and laboratory control sample duplicate relative percent differences, the data meets precision objectives.

- Comparability:
  - Method blank/Equipment blank detections: DRO was detected below the reporting limit in the method blank for Alaska Method AK102. Based on blank evaluation, the results for DRO in sample locations MW-5, BD-2 (collected from MW-5), MW-10, MW-11, BD-1 (collected from MW-11), MW-12, MW-13, MW-15D, MW-16D, MW-17, and RW-14 were qualified as non-detect.

  - GRO was detected below the reporting limit in the method blank, trip blank, and equipment blank for Alaska Method AK101. Based on blank evaluation, the results for GRO in sample locations MW-5, BD-2 (collected from MW-5), MW-5A, MW-10, MW-11, BD-1 (collected from MW-11), MW-12, MW-13, MW-15D, MW-16D, and RW-14 were qualified as non-detect.
  - 1-Methylnaphthalene and 2-methylnaphthalene were detected below the reporting limit in the method blank for USEPA Method 8270E SIM. Based on blank evaluation, the results for these compounds in sample locations BD-2 (collected from MW-5), MW-15D, MW-17, and RW-14 were qualified as non-detect.
  - Acenaphthene, acenaphthylene, fluoranthene, fluorene, phenanthrene and pyrene were detected below the reporting limit in the method blank for USEPA Method 8270E SIM. Based on blank evaluation, the results for these compounds in sample location MW-15D were qualified as non-detect.
  - Fluoranthene was detected below the reporting limit in the method blank and equipment blank for USEPA Method 8270E SIM. Based on blank evaluation, the results for fluoranthene in sample locations MW-5, BD-2 (collected from MW-5), MW-9D, MW-10, MW-11, BD-1 (collected from MW-11), MW-12, MW-13, MW-15D, and MW-16D were qualified as non-detect.
  - Pyrene was detected below the reporting limit in the method blank for USEPA Method 8270E SIM. Based on blank evaluation, the results for pyrene in sample location MW-16D were qualified as non-detect.
  - Carbon disulfide was detected below the reporting limit in the method blank for USEPA Method 8260D Based on blank evaluation, the results for carbon disulfide in sample location MW-5A were qualified as non-detect.

- Sensitivity:
  - The concentration of DRO exceeded the ADEC GCL in sample locations MW-7, MW-7A, MW-9, and MW-9D.
  - The concentration of GRO and naphthalene exceeded the ADEC GCL in sample locations MW-7, MW-7A, and MW-9.
  - The concentration of benzene exceeded the ADEC GCL in sample locations MW-7, MW-7A, MW-9, MW-9D, MW-17, and RW-14.
  - The concentration of toluene, 1-methylnaphthalene, 2-methylnaphthalene, and lead exceeded the ADEC GCLs in sample location MW-7.
  - The concentration of total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and 1,2-dibromoethane exceeded the ADEC GCLs in sample locations MW-7 and MW-7A.
  - The concentration of ethylbenzene exceeded the ADEC GCL in sample locations MW-7, MW-7A, MW-9, and MW-17.
  - The concentration of 1,2-dichloroethane exceeded the ADEC GCL in sample locations MW-9, MW-9D, MW-17, and RW-14.
  - The concentration of dissolved lead exceeded the ADEC GCL in sample locations MW-7 and MW-9D.
  - The laboratory reported detection limit for methyl tert-butyl ether, 1,2-dibromoethane, 1,2-dichloroethane, naphthalene, acetone, bromobenzene, bromodichloromethane, bromoform, bromomethane, carbon tetrachloride, chlorobenzene, chlorodibromomethane, chloroform, chloromethane, dibromomethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-

dichlorobenzene, dichlorodifluoromethane, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, 1,3-dichloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, hexachloro-1,3-butadiene, 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, and vinyl chloride exceeded the ADEC GCLs in select 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.
    - The sensitivity of the analyses was adequate for the samples.
- Representativeness:
    - Holding time exceedances were observed in sample locations MW-9, MW-9D, MW-10, MW-11, and BD-1 (collected from MW-11) for USEPA Method 8260D. Target compounds result in associated sample locations were qualified as estimated.
    - The sample container was received with headspace for samples Trip Blank 1, Trip Blank 2, Trip Blank 3, Trip Blank 4, and Trip Blank 5. Target compound result in the associated sample location were qualified as estimated.
    - 1,2-Dibromoethane was qualified as “D” due to dilution in sample locations MW-7 and MW-7A for USEPA Method 8260.
    - Naphthalene was qualified as “D” due to dilution in sample locations MW-7 and MW-9 for USEPA Method 8270E SIM.
    - Benzene was qualified as “D” due to dilution in sample location MW-9D for USEPA Method 8260.
    - 1,2,3-Trichloropropane and 1,2-dibromoethane were analyzed for USEPA method 524/8260 hybrid procedure by the laboratory. The results are considered from lower reporting limit, but surrogate recoveries were not reported for USEPA method 524. Hence the results for compounds 1,2,3-trichloropropane and 1,2-dibromoethane are qualified as estimated (UJ/J) for sample locations MW-5, BD-2 (collected from MW-5), MW-5A, MW-7, MW-7A, MW-9, MW-9D, MW-10, MW-11, BD-1 (collected from MW-11), MW-12, MW-13, MW-15D, MW-16D, MW-17, RW-14, EQB-1, Trip Blank 1, Trip Blank 2, Trip Blank 3, Trip Blank 4, and Trip Blank 5.
    - The data appears to be representative of site conditions and are generally consistent with expected groundwater concentrations.
- Completeness:
    - The results appear to be valid and usable, and thus, the laboratory results have 100 percent completeness.

Investigation-Derived Waste

Purge and decontamination water was collected and is currently stored in U.S. Department of Transportation-approved 55-gallon steel drums onsite. Each drum was labelled with the contents, generator, date generated, and generator contact information. Following waste characterization and ADEC approval, the investigation-derived waste will be transported offsite for treatment and/or disposal.

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 approved schedule. The first half sampling event will be conducted in spring of 2025.

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.

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

Arcadis. 2008. 2008 Site Assessment and Third Quarter 2008 Groundwater Monitoring Report, Former Chevron Facility 306450, Anchorage, Alaska. December 3

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

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: December 11, 2024

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

Sincerely,

Arcadis U.S., Inc.

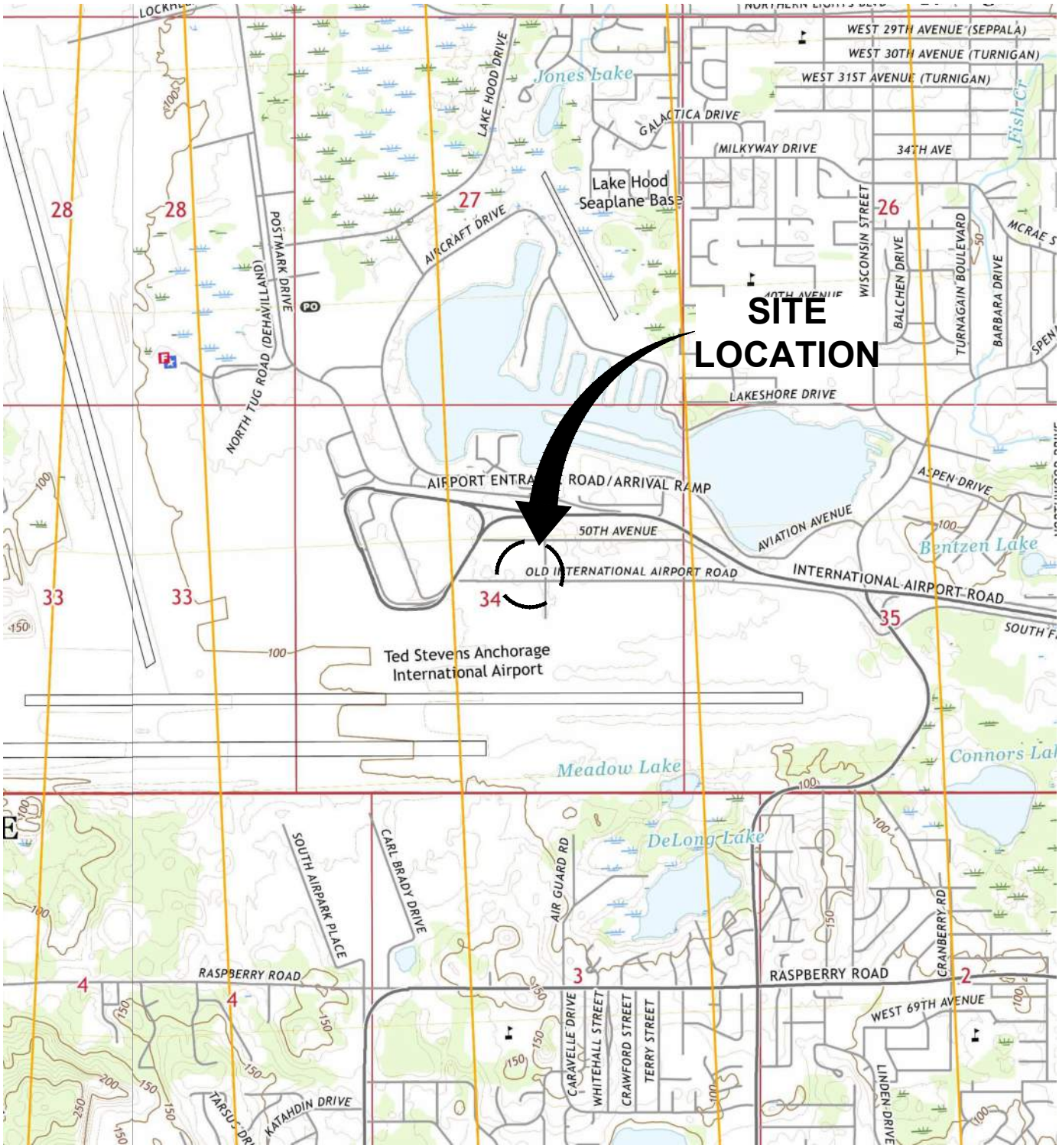
Jesse Wood
Project Task Manager

Gerald A. Robinson
Project Manager

Enclosures:

- Figure 1. Site Location Map
- Figure 2. Site Plan
- Figure 3. Groundwater Elevation Contour Map
- Figure 4. Groundwater Analytical Results Map
- Figure 5. Groundwater Analytical Results Map - PAHs
- Table 1. Groundwater Monitoring Schedule
- Table 2. Current Groundwater Gauging and Primary Analytical Results
- Table 3. Current Groundwater Additional Analytical Results
- Table 4. Historical Groundwater Gauging and Primary Analytical Results
- Table 5. Historical Groundwater Additional Analytical Results
- Attachment A. Field Notes
- Attachment B. Laboratory Analytical Results
- Attachment C. Historical Groundwater Monitoring Results Third Quarter 2001 through 2022
- Attachment D. ADEC Data Review Checklist

Figures



SOURCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., ANCHORAGE A-8 NW AND TYONEK A-1 NE, ALAKSA 2019.

0 2,000' 4,000'

APPROXIMATE SCALE : 1 in. = 2,000 ft.

UNOCAL #5057 FORMER (306450)
(CHEVRON FACILITY NO. 306450)
4351 OLD INTERNATIONAL AIRPORT RD, ANCHORAGE, AK

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\cms224\DCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_306450_ANCHORAGE_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-2023SA1-F01-SITE LOCATION MAP.dwg LAYOUT: 1 SAVED: 6/3/2024 5:14 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE:
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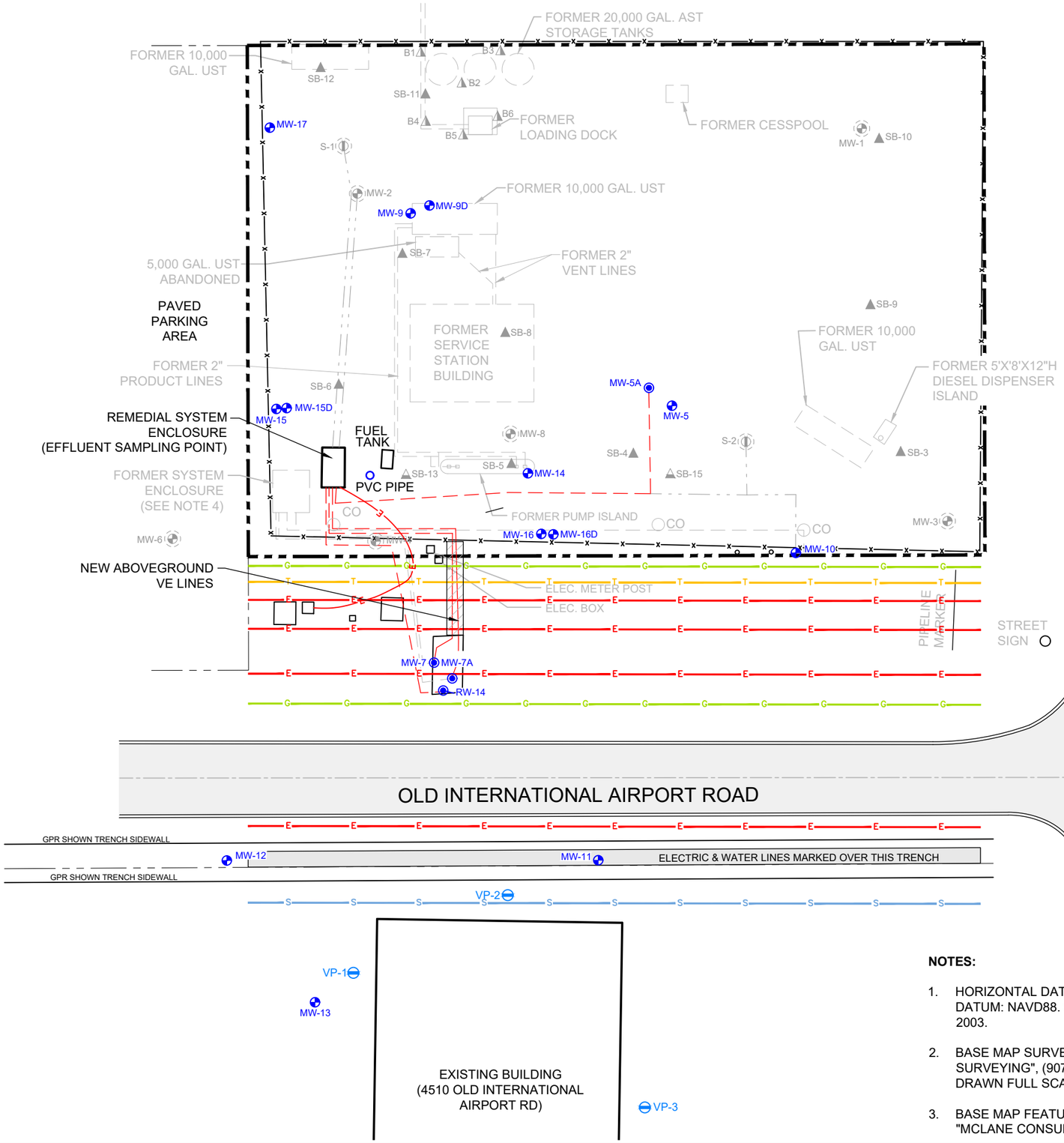
PROJECTNAME: ----



LEGEND:

- PROPERTY LINE
- CHAIN LINK FENCE (TYPICAL)
- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- VAPOR PROBE (VP)
- ABANDONED OR DESTROYED WELL
- ABANDONED AIR SPARGE (AS) WELL
- VES LINE CLEANOUT
- SOIL BORING (1996)
- SOIL BORING (2007)
- SOIL BORING (2008)
- FORMER BELOW GROUND AIR SPARGE/ SOIL VAPOR EXTRACTION LINE (2" DIA.)
- BELOW GROUND SVE LINE (2" DIA.)
- ABOVEGROUND SVE LINE (2" DIA.)
- VAPOR EXTRACTION (VE) PROTECTIVE BERM WITH CONDUIT
- AST ABOVE GROUND STORAGE TANK
- UST UNDERGROUND STORAGE TANK
- NATURAL GAS LINE
- TELECOM LINE
- ELECTRICAL LINE
- PETROLEUM PIPELINE
- SEWER LINE

N

0 40' 80'

GRAPHIC SCALE

NOTES:

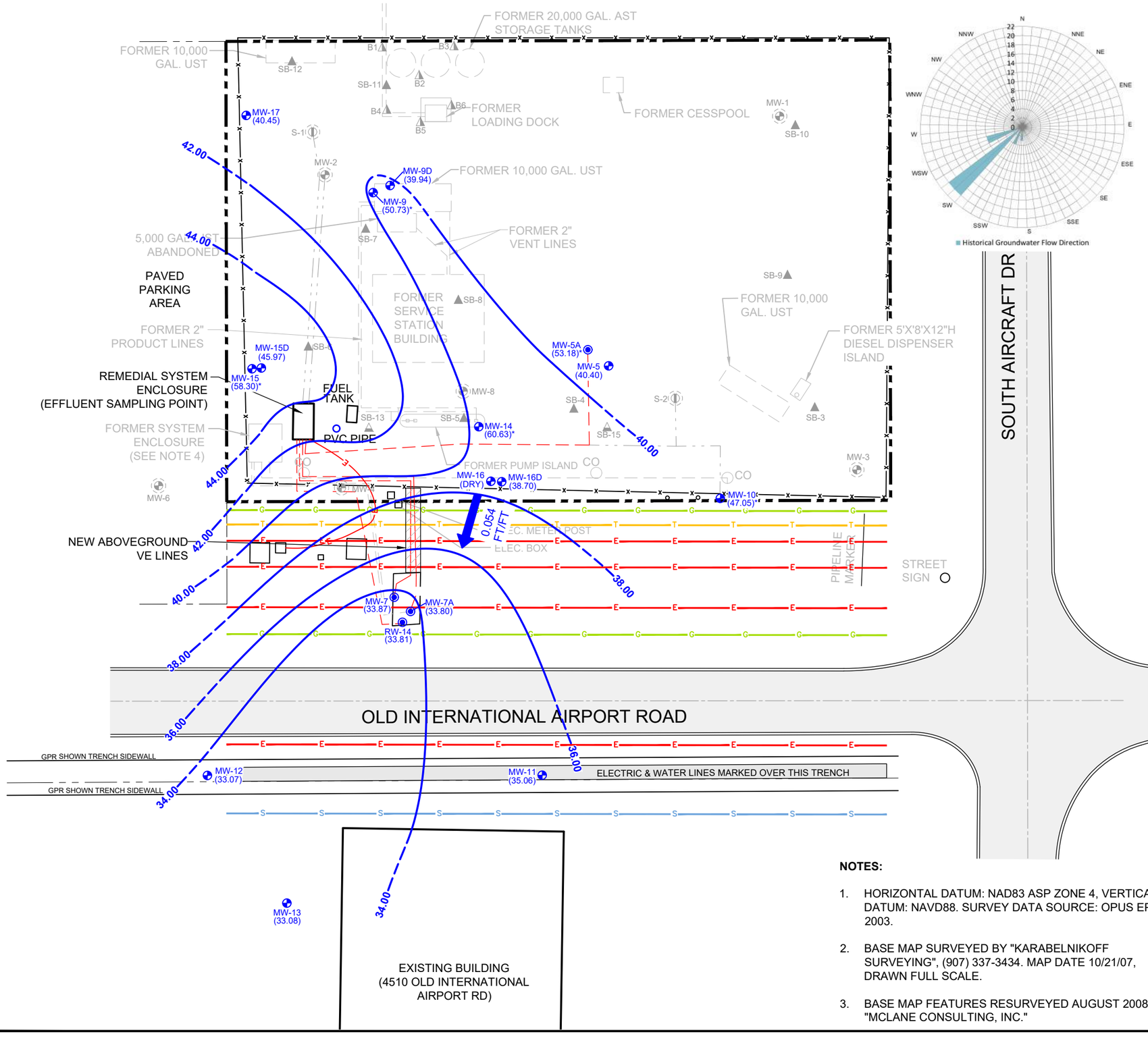
1. HORIZONTAL DATUM: NAD83 ASP ZONE 4, VERTICAL DATUM: NAVD88. SURVEY DATA SOURCE: OPUS EPOCH 2003.
2. BASE MAP SURVEYED BY "KARABELNIKOFF SURVEYING", (907) 337-3434. MAP DATE 10/21/07, DRAWN FULL SCALE.
3. BASE MAP FEATURES RESURVEYED AUGUST 2008 BY "MCLANE CONSULTING, INC."

UNOCAL #5057 FORMER (306450)
(CHEVRON FACILITY NO. 306450)
4351 OLD INTERNATIONAL AIRPORT RD, ANCHORAGE, AK

SITE PLAN

ARCADIS

FIGURE 2



LEGEND:

- PROPERTY LINE
- CHAIN LINK FENCE (TYPICAL)
- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- ABANDONED OR DESTROYED WELL
- ABANDONED AIR SPARGE (AS) WELL
- VES LINE CLEANOUT
- SOIL BORING (1996)
- SOIL BORING (2007)
- SOIL BORING (2008)
- FORMER BELOW GROUND AIR SPARGE/ SOIL VAPOR EXTRACTION LINE (2" DIA.)
- BELOW GROUND SVE LINE (2" DIA.)
- ABOVEGROUND SVE LINE (2" DIA.)
- NATURAL GAS LINE
- TELECOM LINE
- ELECTRICAL LINE
- PETROLEUM PIPELINE
- SEWER LINE
- AST — ABOVE GROUND STORAGE TANK
- UST — UNDERGROUND STORAGE TANK
- NAVD88 — NORTH AMERICAN VERTICAL DATUM OF 1988
- (47.05) — GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
- 44.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED DIRECTION OF GROUNDWATER FLOW
- 0.054 FT/FT — HYDRAULIC GRADIENT (FEET PER FOOT)
- * — DATA NOT USED FOR CONTOURING
- (DRY) — WELL IS DRY

0 40' 80'

GRAPHIC SCALE

NOTES:

1. HORIZONTAL DATUM: NAD83 ASP ZONE 4, VERTICAL DATUM: NAVD88. SURVEY DATA SOURCE: OPUS EPOCH 2003.
2. BASE MAP SURVEYED BY "KARABELNIKOFF SURVEYING", (907) 337-3434. MAP DATE 10/21/07, DRAWN FULL SCALE.
3. BASE MAP FEATURES RESURVEYED AUGUST 2008 BY "MCLANE CONSULTING, INC."

UNOCAL #5057 FORMER (306450)
(CHEVRON FACILITY NO. 306450)
4351 OLD INTERNATIONAL AIRPORT RD, ANCHORAGE, AK

GROUNDWATER CONTOUR MAP OCTOBER 9, 2024

ARCADIS

FIGURE 3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\vpb717\DC\ACCDocs\Arcadis ACC USAUS-99999999-CHEV_306450_ANCHORAGE_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-2024SA2-F03-GROUNDWATER ELEVATION CONTOUR.dwg LAYOUT: 3 SAVED: 12/11/2024 7:42 PM ACADVER: 24.2S (LMS TECH) PAGESETUP:
---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/11/2024 7:44 PM BY: V, PUSHPANJALI
XREFS: IMAGES: PROJECTNAME: ---
GEN-X-BASEMAP Arcadis Logo_2021.PNG
Arcadis Logo_2021.PNG

MW-17	
Sample Date	10/10/24
DRO	<1250 B
GRO	**716**
Benzene	**39.6 J**
Toluene	**0.922 J**
Ethylbenzene	**69.3 J**
Total Xylenes	**29.4 J**
EDB	***<0.500 J***
EDC	**7.00 J**
1,2,4-Trimethyl-benzene	**0.456 J**
1,3,5-Trimethyl-benzene	**1.69 J**
Lead	**11.2**
Dissolved Lead	**10.3**

MW-15D	
Sample Date	10/10/24
DRO	<840 B
GRO	<100 B
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB	<0.00500 J
EDC	<1.00
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	**3.13 J**
Dissolved Lead	<6.00

MW-7	
Sample Date	10/10/24
DRO	**15,800**
GRO	**86,100**
Benzene	**2,200**
Toluene	**33,100**
Ethylbenzene	**3,650**
Total Xylenes	**24,800**
EDB	**160 D J**
EDC	***<500***
1,2,4-Trimethyl-benzene	**2,260**
1,3,5-Trimethyl-benzene	**667**
Lead	**496**
Dissolved Lead	**528**

MW-12	
Sample Date	10/09/24
DRO	<800 B
GRO	<100 B
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB	<0.00500 J
EDC	<1.00
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	<6.00
Dissolved Lead	**3.15 J**

RW-14	
Sample Date	10/10/24
DRO	<888 B
GRO	<100 B
Benzene	**6.56 J**
Toluene	<1.00
Ethylbenzene	**0.767 J**
Total Xylenes	<3.00
EDB	**0.0120 J**
EDC	**4.33 J**
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	<6.00
Dissolved Lead	**3.20 J**

MW-11	
Sample Date	10/09/24
DRO	<888 B [<840 B]
GRO	<100 B [<100 B]
Benzene	<1.00 J [<1.00 J]
Toluene	<1.00 [<1.00 J]
Ethylbenzene	<1.00 [<1.00 J]
Total Xylenes	<3.00 [<3.00 J]
EDB	<0.00500 J [<0.00500 J]
EDC	<1.00 [<1.00 J]
1,2,4-Trimethyl-benzene	<1.00 [<1.00 J]
1,3,5-Trimethyl-benzene	<1.00 [<1.00 J]
Lead	<6.00 [<6.00]
Dissolved Lead	<6.00 [<6.00]

MW-13	
Sample Date	10/09/24
DRO	<800 B
GRO	<100 B
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB	<0.00500 J
EDC	<1.00
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	<6.00
Dissolved Lead	<6.00

MW-7A	
Sample Date	10/10/24
DRO	**3,700**
GRO	**5,260**
Benzene	**158**
Toluene	**273**
Ethylbenzene	**25.6 J**
Total Xylenes	**2,270**
EDB	**8.00 D J**
EDC	***<100***
1,2,4-Trimethyl-benzene	**571**
1,3,5-Trimethyl-benzene	**200**
Lead	**3.60 J**
Dissolved Lead	**11.4**

	ADEC Groundwater Cleanup Levels
DRO	1,500
GRO	2,200
Benzene	4.6
Toluene	1,100
Ethylbenzene	15
Total Xylenes	190
EDB	0.075
EDC	1.7
1,2,4-Trimethyl-benzene	56
1,3,5-Trimethyl-benzene	60
Lead	15
Dissolved Lead	15

MW-9D	
Sample Date	10/09/24
DRO	**7,300**
GRO	**2,190**
Benzene	**766 D J**
Toluene	**6.28 J**
Ethylbenzene	**6.40 J**
Total Xylenes	**7.03 J**
EDB	***<0.500 J***
EDC	**18.3 J**
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	**1.06 J**
Lead	**5.89 J**
Dissolved Lead	**18.5**

MW-9	
Sample Date	10/09/24
DRO	**14,700**
GRO	**4,130**
Benzene	**949**
Toluene	<10.0
Ethylbenzene	**149**
Total Xylenes	**98.9**
EDB	***<5.00 J***
EDC	**5.28 J**
1,2,4-Trimethyl-benzene	**3.75 J**
1,3,5-Trimethyl-benzene	**2.15 J**
Lead	<6.00
Dissolved Lead	<6.00

MW-5A	
Sample Date	10/09/24
DRO	<800
GRO	<100 B
Benzene	<1.00
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB	**0.00600 J**
EDC	**0.137 J**
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	**4.95 J**
Dissolved Lead	<6.00

MW-5	
Sample Date	10/10/24
DRO	<888 B [<888 B]
GRO	<100 B [<100 B]
Benzene	**0.230 J [0.301 J]**
Toluene	**0.609 J [0.688 J]**
Ethylbenzene	**0.525 J [0.439 J]**
Total Xylenes	**0.797 J [0.741 J]**
EDB	***<0.500 J** [<0.00500 J]*
EDC	<1.00 [<1.00]
1,2,4-Trimethyl-benzene	<1.00 [<1.00]
1,3,5-Trimethyl-benzene	<1.00 [<1.00]
Lead	<6.00 [<6.00]
Dissolved Lead	<6.00 [<6.00]

MW-10	
Sample Date	10/09/24
DRO	<800 B
GRO	<100 B
Benzene	<1.00 J
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB	<0.00500 J
EDC	<1.00
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	<6.00
Dissolved Lead	<6.00

MW-16D	
Sample Date	10/10/24
DRO	<888 B
GRO	<100 B
Benzene	**1.56 J**
Toluene	<1.00
Ethylbenzene	<1.00
Total Xylenes	<3.00
EDB	<0.00500 J
EDC	<1.00
1,2,4-Trimethyl-benzene	<1.00
1,3,5-Trimethyl-benzene	<1.00
Lead	<6.00
Dissolved Lead	**3.98 J**

FORMER 20,000 GAL. AST STORAGE TANKS
FORMER 10,000 GAL. UST
FORMER LOADING DOCK
FORMER 10,000 GAL. UST
5,000 GAL. UST ABANDONED
PAVED PARKING AREA
FORMER 2" VENT LINES
FORMER SERVICE STATION BUILDING
FORMER 2" PRODUCT LINES
FORMER 10,000 GAL. UST
FORMER 5'X'8'X12"H DIESEL DISPENSER ISLAND
REMEDIAL SYSTEM ENCLOSURE (EFFLUENT SAMPLING POINT)
FUEL TANK
PVC PIPE
FORMER SYSTEM ENCLOSURE (SEE NOTE 4)
FORMER PUMP ISLAND
NEW ABOVEGROUND VE LINES
ELEC. METER POST
ELEC. BOX
PIPELINE MARKER
STREET SIGN
SOUTH AIRCRAFT DRIVE
OLD INTERNATIONAL AIRPORT ROAD
ELECTRIC & WATER LINES MARKED OVER THIS TRENCH
GPR SHOWN TRENCH SIDEWALL
SIDEWALL
MW-17 MW-15D MW-15 (NS) MW-6 MW-7 MW-7A RW-14 MW-12 MW-11 MW-13 MW-9D MW-9 MW-1 MW-2 MW-5A MW-5 MW-8 MW-14 (NS) MW-16 (DRY) MW-16D MW-10 MW-3
SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9 SB-10 SB-11 SB-12 SB-13 SB-15
S-1 S-2
B1 B2 B3 B4 B5 B6

NOTES:

1. HORIZONTAL DATUM: NAD83 ASP ZONE 4, VERTICAL DATUM: NAVD88. SURVEY DATA SOURCE: OPUS EPOCH 2003.
2. BASE MAP SURVEYED BY "KARABELNIKOFF SURVEYING", (907) 337-3434. MAP DATE 10/21/07, DRAWN FULL SCALE.
3. BASE MAP FEATURES RESURVEYED AUGUST 2008 BY "MCLANE CONSULTING, INC."

0 40' 80'
GRAPHIC SCALE

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LEGEND:

- PROPERTY LINE
- CHAIN LINK FENCE (TYPICAL)
- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- ABANDONED OR DESTROYED WELL
- ABANDONED AIR SPARGE (AS) WELL
- VES LINE CLEANOUT
- SOIL BORING (1996)
- SOIL BORING (2007)
- SOIL BORING (2008)
- FORMER BELOW GROUND AIR SPARGE/ SOIL VAPOR EXTRACTION LINE (2" DIA.)
- BELOW GROUND SVE LINE (2" DIA.)
- ABOVEGROUND SVE LINE (2" DIA.)
- NATURAL GAS LINE
- TELECOM LINE
- ELECTRICAL LINE
- PETROLEUM PIPELINE
- SEWER LINE

AST ABOVE GROUND STORAGE TANK
UST UNDERGROUND STORAGE TANK
µg/L MICROGRAMS PER LITER
GRO TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS
DRO TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS
EDB 1,2-DIBROMOETHANE
EDC 1,2-DICHLOROETHANE
<1.00 NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT (RDL)
BOLD VALUE EXCEEDS LABORATORY METHOD DETECTION LIMIT (MDL)
BOLD VALUE EXCEEDS ADEC GROUNDWATER CLEANUP LEVEL
BOLD CONSTITUENT CONSIDERED NON-DETECT, HOWEVER LABORATORY RDL IS GREATER THAN THE ADEC GROUNDWATER CLEANUP LEVEL
B THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
D CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS
J THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
(NS) NOT SAMPLED
[ ] DUPLICATE RESULTS
ADEC ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

UNOCAL #5057 FORMER (306450)
(CHEVRON FACILITY NO. 306450)
4351 OLD INTERNATIONAL AIRPORT RD, ANCHORAGE, AK

GROUNDWATER ANALYTICAL MAP OCTOBER 9 AND 10, 2024

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FIGURE 4

FORMER 20,000 GAL. AST STORAGE TANKS
FORMER 10,000 GAL. UST
FORMER LOADING DOCK
FORMER CESSPOOL
FORMER 10,000 GAL. UST
5,000 GAL. UST ABANDONED
FORMER 2" VENT LINES
PAVED PARKING AREA
FORMER SERVICE STATION BUILDING
FORMER 10,000 GAL. UST
FORMER 5'X'8'X12"H DIESEL DISPENSER ISLAND
REMEDIAL SYSTEM ENCLOSURE (EFFLUENT SAMPLING POINT)
FUEL TANK
PVC PIPE
FORMER SYSTEM ENCLOSURE (SEE NOTE 4)
FORMER PUMP ISLAND
NEW ABOVEGROUND VE LINES
ELEC. METER POST
ELEC. BOX
PIPELINE MARKER
STREET SIGN
SOUTH AIRCRAFT DRIVE
OLD INTERNATIONAL AIRPORT ROAD
GPR SHOWN TRENCH SIDEWALL
GPR SHOWN TRENCH SIDEWALL
ELECTRIC & WATER LINES MARKED OVER THIS TRENCH
EXISTING BUILDING (4510 OLD INTERNATIONAL AIRPORT RD)

MW-17	
Sample Date	10/10/24
1-Methyl-naphthalene	<0.590 B
2-Methyl-naphthalene	<0.590 B
Naphthalene	<0.590

MW-9D	
Sample Date	10/09/24
1-Methyl-naphthalene	<0.610
2-Methyl-naphthalene	<0.610
Naphthalene	<0.610

MW-9	
Sample Date	10/09/24
1-Methyl-naphthalene	<5.50
2-Methyl-naphthalene	<5.50
Naphthalene	**6.26 D J**

MW-5A	
Sample Date	10/09/24
1-Methyl-naphthalene	<0.570 J
2-Methyl-naphthalene	<0.570 J
Naphthalene	<0.570 J

MW-15D	
Sample Date	10/10/24
1-Methyl-naphthalene	<0.575 B
2-Methyl-naphthalene	<0.575 B
Naphthalene	<0.575

MW-5	
Sample Date	10/10/24
1-Methyl-naphthalene	<0.560 [<0.580 B]
2-Methyl-naphthalene	<0.560 [<0.580 B]
Naphthalene	<0.560 [<0.580]

MW-7	
Sample Date	10/10/24
1-Methyl-naphthalene	**52.7**
2-Methyl-naphthalene	**89.8**
Naphthalene	**305 D**

RW-14	
Sample Date	10/10/24
1-Methyl-naphthalene	<0.650 B
2-Methyl-naphthalene	<0.650 B
Naphthalene	<0.650

MW-7A	
Sample Date	10/10/24
1-Methyl-naphthalene	**7.34**
2-Methyl-naphthalene	**2.22**
Naphthalene	**13.1**

MW-16D	
Sample Date	10/10/24
1-Methyl-naphthalene	<0.595
2-Methyl-naphthalene	<0.595
Naphthalene	<0.595

MW-10	
Sample Date	10/09/24
1-Methyl-naphthalene	<0.625
2-Methyl-naphthalene	<0.625
Naphthalene	<0.625

MW-12	
Sample Date	10/09/24
1-Methyl-naphthalene	<0.500
2-Methyl-naphthalene	<0.500
Naphthalene	<0.500

MW-11	
Sample Date	10/09/24
1-Methyl-naphthalene	<0.675 [<0.560]
2-Methyl-naphthalene	<0.675 [<0.560]
Naphthalene	<0.675 [<0.560]

MW-13	
Sample Date	10/09/24
1-Methyl-naphthalene	<0.525
2-Methyl-naphthalene	<0.525
Naphthalene	<0.525

	ADEC Groundwater Cleanup Levels
1-Methyl-naphthalene	11
2-Methyl-naphthalene	36
Naphthalene	1.7

LEGEND:

- PROPERTY LINE
- CHAIN LINK FENCE (TYPICAL)
- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- ABANDONED OR DESTROYED WELL
- ABANDONED AIR SPARGE (AS) WELL
- VES LINE CLEANOUT
- SOIL BORING (1996)
- SOIL BORING (2007)
- SOIL BORING (2008)
- FORMER BELOW GROUND AIR SPARGE/ SOIL VAPOR EXTRACTION LINE (2" DIA.)
- BELOW GROUND SVE LINE (2" DIA.)
- ABOVEGROUND SVE LINE (2" DIA.)
- NATURAL GAS LINE
- TELECOM LINE
- ELECTRICAL LINE
- PETROLEUM PIPELINE
- SEWER LINE

AST	ABOVE GROUND STORAGE TANK
UST	UNDERGROUND STORAGE TANK
µg/L	MICROGRAMS PER LITER
<0.500	NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT (RDL)
BOLD	VALUE EXCEEDS LABORATORY METHOD DETECTION LIMIT (MDL)
BOLD	VALUE EXCEEDS ADEC GROUNDWATER CLEANUP LEVEL
B	THE SAME ANALYTE IS PRESENT IN THE ASSOCIATED BLANK
D	CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS
J	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
(NS)	NOT SAMPLED
[ ]	DUPLICATE RESULTS
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NOTES:

1. HORIZONTAL DATUM: NAD83 ASP ZONE 4, VERTICAL DATUM: NAVD88. SURVEY DATA SOURCE: OPUS EPOCH 2003.
2. BASE MAP SURVEYED BY "KARABELNIKOFF SURVEYING", (907) 337-3434. MAP DATE 10/21/07, DRAWN FULL SCALE.
3. BASE MAP FEATURES RESURVEYED AUGUST 2008 BY "MCLANE CONSULTING, INC."

0 40' 80'
GRAPHIC SCALE

UNOCAL #5057 FORMER (306450)
(CHEVRON FACILITY NO. 306450)
4351 OLD INTERNATIONAL AIRPORT RD, ANCHORAGE, AK

GROUNDWATER ANALYTICAL MAP POLYCYCLIC AROMATIC HYDROCARBONS (PAH's) OCTOBER 9 AND 10, 2024

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FIGURE 5

Tables

Table 1
Groundwater Monitoring Schedule
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Schedule	Gauge	Sample	Comment
MW-5	Semi Annual	Y	Y	
MW-5A	Semi Annual	Y	Y	
MW-7	Semi Annual	Y	Y	
MW-7A	Semi Annual	Y	Y	
MW-9	Semi Annual	Y	Y	
MW-9D	Semi Annual	Y	Y	
MW-10	Semi Annual	Y	Y	
MW-11	Semi Annual	Y	Y	
MW-12	Semi Annual	Y	Y	
MW-13	Semi Annual	Y	Y	
MW-14	Semi Annual	Y	Y	Not enough water to sample
MW-15	Semi Annual	Y	Y	Not enough water to sample
MW-15D	Semi Annual	Y	Y	
MW-16	Semi Annual	Y	Y	Not enough water to sample
MW-16D	Semi Annual	Y	Y	
MW-17	Semi Annual	Y	Y	
RW-14	Semi Annual	Y	Y	
BD-1	Semi Annual	N	Y	
BD-2	Semi Annual	N	Y	

Note:
Wells are sampled for volatile organic compounds by United States Environmental Protection Agency (USEPA) Method 8260D and 123-TCP/EDB Low level 524/8260D, semi-volatile organic compounds by USEPA Method 8270E-SIM, total lead and dissolved lead by USEPA Method 6010D, gasoline range organics by Alaska Method AK101, and diesel range organics by Alaska Method AK102.

Table 2
Current Groundwater Gauging and Primary Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	TOC (feet)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Naphthalene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Lead	Dissolved Lead	Comments
ADEC Groundwater Cleanup Levels					**1,500**	**2,200**	**4.6**	**1,100**	**15**	**190**	**0.075**	**1.7**	**1.7**	**56**	**60**	**15**	**15**	
MW-5	10/10/24	83.08	42.68	40.40	<888 B	<100 B	**0.230 J**	**0.609 J**	**0.525 J**	**0.797 J**	***<0.500 J***	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	<6.00	
Duplicate (MW-5)	10/10/24	--	--	--	<888 B	<100 B	**0.301 J**	**0.688 J**	**0.439 J**	**0.741 J**	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	<6.00	
MW-5A	10/09/24	83.06	29.88	53.18	<800	<100 B	<1.00	<1.00	<1.00	<3.00	**0.00600 J**	**0.137 J**	***<5.00***	<1.00	<1.00	**4.95 J**	<6.00	
MW-7	10/10/24	85.65	51.78	33.87	**15,800**	**86,100**	**2,200**	**33,100**	**3,650**	**24,800**	**160 D J**	***<500***	***<2,500 J***	**2,260**	**667**	**496**	**528**	
MW-7A	10/10/24	86.80	53.00	33.80	**3,700**	**5,260**	**158**	**273**	**25.6 J**	**2,270**	**8.00 D J**	***<100***	***<500 J***	**571**	**200**	**3.60 J**	**11.4**	
MW-9	10/09/24	83.18	32.45	50.73	**14,700**	**4,130**	**949**	<10.0	**149**	**98.9**	***<5.00 J***	**5.28 J**	***<50.0***	**3.75 J**	**2.15 J**	<6.00	<6.00	
MW-9D	10/09/24	83.14	43.20	39.94	**7,300**	**2,190**	**766 D J**	**6.28 J**	**6.40 J**	**7.03 J**	***<0.500 J***	**18.3 J**	***<5.00 J***	<1.00	**1.06 J**	**5.89 J**	**18.5**	
MW-10	10/09/24	82.50	35.45	47.05	<800 B	<100 B	<1.00 J	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	<6.00	
MW-11	10/09/24	83.96	48.90	35.06	<888 B	<100 B	<1.00 J	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	<6.00	
Duplicate (MW-11)	10/09/24	--	--	--	<840 B	<100 B	<1.00 J	<1.00 J	<1.00 J	<3.00 J	<0.00500 J	<1.00 J	***<5.00 J***	<1.00 J	<1.00 J	<6.00	<6.00	
MW-12	10/09/24	84.09	51.02	33.07	<800 B	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	**3.15 J**	
MW-13	10/09/24	84.86	51.78	33.08	<800 B	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	<6.00	
MW-14	10/09/24	83.63	23.00	60.63	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-15	10/09/24	82.10	23.80	58.30	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-15D	10/10/24	82.67	36.70	45.97	<840 B	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	**3.13 J**	<6.00	
MW-16	10/09/24	83.50	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-16D	10/10/24	83.45	44.75	38.70	<888 B	<100 B	**1.56 J**	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	**3.98 J**	
MW-17	10/10/24	81.70	41.25	40.45	<1,250 B	**716**	**39.6 J**	**0.922 J**	**69.3 J**	**29.4 J**	***<0.500 J***	**7.00 J**	***<5.00 J***	**0.456 J**	**1.69 J**	**11.2**	**10.3**	
RW-14	10/10/24	83.81	50.00	33.81	<888 B	<100 B	**6.56 J**	<1.00	**0.767 J**	<3.00	**0.0120 J**	**4.33 J**	***<5.00 J***	<1.00	<1.00	<6.00	**3.20 J**	

Notes:
1. GRO analyzed by Alaska Method AK101, DRO analyzed by Alaska Method AK102.
2. Lead and Dissolved Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3.1,2-Dibromoethane was analyzed by USEPA 524 and 8260D but the method with the lowest RDL is considered.
4. Remaining constituents of concern analyzed by USEPA Method 8260D except where noted above.
5. All results reported in micrograms per liter.

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
feet = Relative to NAVD88 for TOC and GW Elevation

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed
Duplicate = 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
B = The same analyte is found in the associated blank
bTOC = Below top of casing
D = Concentration is based on a diluted sample analysis.
DRO = Total petroleum hydrocarbons, diesel range organics
DTW = Depth to groundwater
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
GRO = Total petroleum hydrocarbons, gasoline range organics
GW Elev = Groundwater elevation
ID = Identification
J = The associated numerical value is an estimated concentration only
MTBE = Methyl tert-butyl ether
MDL = Method detection limit
MW = Groundwater monitoring well
NAVD 88 = North American Vertical Datum of 1988
RDL = Reporting detection limit
TOC = Top of casing
USEPA = U.S. Environmental Protection Agency
VOCs = Volatile organic compounds

Reference:
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 October 18, 2023.

Table 3
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D														
		Acetone	Acrolein	Acrylonitrile	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromomethane (Dibromochloromethane)
ADEC Groundwater Cleanup Levels		**14,000**	**--**	**--**	**62**	**--**	**1.3**	**33**	**7.5**	**1,000**	**2,000**	**690**	**810**	**4.6**	**78**	**8.7**
MW-5	10/10/24	**12.3 J**	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Duplicate (MW-5)	10/10/24	**12.5 J**	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00 J	<1.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5A	10/09/24	<50.0	<50.0 R	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00 B	<1.00	<1.00	<1.00
MW-7	10/10/24	***<25,000***	<25,000	<5,000	***<500***	<500	***<500***	***<500***	***<2,500 J***	<500 J	<500	<500	<500	***<500***	***<500***	***<500***
MW-7A	10/10/24	<5,000	<5,000	<1,000	***<100***	<100	***<100***	***<100***	***<500 J***	<100 J	<100	<100	<100	***<100***	***<100***	***<100***
MW-9	10/09/24	<500	<500 J	<100	<10.0	<10.0	***<10.0***	<10.0	***<50.0 J***	<10.0	**2.67 J**	<10.0	<10.0	***<10.0***	<10.0	***<10.0***
MW-9D	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-10	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-11	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Duplicate (MW-11)	10/09/24	<50.0 J	<50.0 J	<10.0 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J
MW-12	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-13	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	10/10/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	10/10/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-17	10/10/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
RW-14	10/10/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

Table 3
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D												
		Chloroethane (Ethyl Chloride)	Chloroform	Chloromethane	2-Chlorotoluene (o-Chlorotoluene)	4-Chlorotoluene (p-Chlorotoluene)	1,2-Dibromo-3-chloropropane	Dibromomethane (Methylene bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon 12)	1,1-Dichloroethane	1,1-Dichloroethene
ADEC Groundwater Cleanup Levels		**21,000**	**2.2**	**190**	**--**	**--**	**--**	**8.3**	**300**	**300**	**4.8**	**200**	**28**	**280**
MW-5	10/10/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
Duplicate (MW-5)	10/10/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-5A	10/09/24	<5.00 J	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-7	10/10/24	<2,500	***<2,500***	***<1,250***	<500	<500	<2,500	***<500***	***<500***	***<500***	***<500***	***<2,500***	***<500***	***<500***
MW-7A	10/10/24	<500	***<500***	***<250***	<100	<100	<500	***<100***	<100	<100	***<100***	***<500***	***<100***	<100
MW-9	10/09/24	<50.0 J	***<50.0***	<25.0	<10.0	<10.0	<50.0	***<10.0***	<10.0	<10.0	***<10.0***	<50.0	<10.0	<10.0
MW-9D	10/09/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-10	10/09/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-11	10/09/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
Duplicate (MW-11)	10/09/24	<5.00 J	***<5.00 J***	<2.50 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	<1.00 J
MW-12	10/09/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	10/09/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	10/10/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	10/10/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-17	10/10/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
RW-14	10/10/24	<5.00	***<5.00***	<2.50	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

Table 3
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D												
		cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)	trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene)	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Di-isopropyl ether	Hexachloro-1,3-butadiene (Hexachloro butadiene)	Isopropylbenzene (Cumene)	p-Isopropyltoluene	2-Butanone (Methyl ethyl ketone)
ADEC Groundwater Cleanup Levels		**36**	**360**	**8.2**	**--**	**--**	**--**	**--**	**--**	**--**	**1.4**	**450**	**--**	**5,600**
MW-5	10/10/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
Duplicate (MW-5)	10/10/24	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-5A	10/09/24	**0.306 J**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-7	10/10/24	***<500***	***<500***	***<500***	<500	<500 J	<500	<500	<500	<500	***<500***	**118 J**	<500	<5,000
MW-7A	10/10/24	***<100***	<100	***<100***	<100	<100 J	<100	<100	<100	<100	***<100***	<100	<100	<1,000
MW-9	10/09/24	<10.0 J	<10.0	***<10.0***	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***<10.0***	**28.4**	**7.29 J**	<100
MW-9D	10/09/24	<1.00	<1.00	**0.936 J**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.367 J**	<1.00	<10.0
MW-10	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-11	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
Duplicate (MW-11)	10/09/24	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<10.0 J
MW-12	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-13	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	10/10/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	10/10/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0
MW-17	10/10/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**5.57 J**	<1.00	<10.0
RW-14	10/10/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.115 J**	<1.00	<10.0

Table 3
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D													
		4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methylene chloride	MTBE	n-Propyl benzene (Propyl benzene)	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (Tetrachloroethylene)	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)
ADEC Groundwater Cleanup Levels		**6,300**	**110**	**140**	**660**	**1,200**	**5.7**	**0.76**	**41**	**7.0**	**4.0**	**8,000**	**0.41**	**2.8**	**5,200**
MW-5	10/10/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
Duplicate (MW-5)	10/10/24	<10.0	<5.00	<1.00	<1.00	<1.00 J	<1.00	***<1.00***	<1.00	<1.00	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-5A	10/09/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00	<1.00	<1.00	***<1.00***	**0.753 J**	<5.00 J
MW-7	10/10/24	<5,000	***<2,500***	***<500***	**226 J**	<500 J	***<500***	***<500***	***<500***	***<500***	***<500 J***	<500	***<500***	***<500***	<2,500
MW-7A	10/10/24	<1,000	***<500***	<100	<100	<100 J	***<100***	***<100***	***<100***	***<100***	***<100 J***	<100	***<100***	***<100***	<500
MW-9	10/09/24	<100	<50.0	<10.0	**31.5**	<10.0	***<10.0***	***<10.0***	<10.0 J	***<10.0***	***<10.0***	<10.0	***<10.0***	***<10.0 J***	<50.0 J
MW-9D	10/09/24	**5.50 J**	**1.80 J**	<1.00	**0.331 J**	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-10	10/09/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-11	10/09/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
Duplicate (MW-11)	10/09/24	<10.0 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	***<1.00 J***	<1.00 J	<1.00 J	<1.00 J	<1.00 J	***<1.00 J***	<1.00 J	<5.00 J
MW-12	10/09/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-13	10/09/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	10/10/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	10/10/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
MW-17	10/10/24	**0.595 J**	<5.00	<1.00	**2.00 J**	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00
RW-14	10/10/24	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00

Table 3
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D				PAH by USEPA Method 8270E-SIM										
		1,2,3-Trichloropropane	1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113)	1,2,3-Trimethyl benzene	Vinyl Chloride	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene	Dibenz(a,h) anthracene
ADEC Groundwater Cleanup Levels		**0.0075**	**10,000**	**--**	**0.19**	**530**	**260**	**43**	**0.3**	**0.25**	**2.5**	**0.26**	**0.8**	**750**	**2.0**	**0.25**
MW-5	10/10/24	***<0.500 J***	<1.00	<1.00	***<1.00***	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.280	<0.560	<0.0560	<0.0560
Duplicate (MW-5)	10/10/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0580	<0.0580	<0.0580	<0.0580	<0.0580	<0.0580	<0.0580	<0.290	<0.580	<0.0580	<0.0580
MW-5A	10/09/24	<0.00500 J	<1.00	<1.00	***<1.00 J***	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.285 J	<0.570 J	<0.0570 J	<0.0570 J
MW-7	10/10/24	***<50.0 J***	<500	**651**	***<500***	**0.367**	<0.0650	<0.0650	**0.0282 J**	<0.0650	<0.0650	<0.0650	<0.325	<0.650	<0.0650	<0.0650
MW-7A	10/10/24	***<5.00 J***	<100	**190**	***<100***	**0.213**	<0.0590	<0.0590	**0.115**	<0.0590	**0.0767**	**0.0882**	<0.295	<0.590	**0.132**	<0.0590
MW-9	10/09/24	***<5.00 J***	<10.0	<10.0	***<10.0 J***	<0.0550 R	**7.55 J**	<0.0550 R	<0.0550 R	<0.0550 R	<0.0550 R	<0.0550 R	<0.275 R	<0.550 R	<0.0550 R	<0.0550 R
MW-9D	10/09/24	***<0.500 J***	<1.00	<1.00	***<1.00***	<0.0610	**0.781**	<0.0610	<0.0610	<0.0610	<0.0610	<0.0610	<0.305	<0.610	<0.0610	<0.0610
MW-10	10/09/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0625	<0.0625	<0.0625	<0.0625	<0.0625	<0.0625	<0.0625	<0.313	<0.625	<0.0625	<0.0625
MW-11	10/09/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0675	<0.0675	<0.0675	<0.0675	<0.0675	<0.0675	<0.0675	<0.338	<0.675	<0.0675	<0.0675
Duplicate (MW-11)	10/09/24	<0.00500 J	<1.00 J	<1.00 J	***<1.00 J***	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.280	<0.560	<0.0560	<0.0560
MW-12	10/09/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500	<0.0500
MW-13	10/09/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.263	<0.525	<0.0525	<0.0525
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	10/10/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0575 B	<0.0575 B	<0.0575	<0.0575	<0.0575	<0.0575	<0.0575	<0.288	<0.575	<0.0575	<0.0575
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	10/10/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.297	<0.595	<0.0595	<0.0595
MW-17	10/10/24	***<0.500 J***	<1.00	<1.00	***<1.00***	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590	<0.295	<0.590	<0.0590	<0.0590
RW-14	10/10/24	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650	<0.325	<0.650	<0.0650	<0.0650

Table 3
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	PAH by USEPA Method 8270E-SIM							
		Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
ADEC Groundwater Cleanup Levels		**260**	**290**	**0.19**	**11**	**36**	**1.7**	**170**	**120**
MW-5	10/10/24	<0.0560 B	<0.0560	<0.0560	<0.560	<0.560	<0.560	<0.0560	<0.0560
Duplicate (MW-5)	10/10/24	<0.0580 B	<0.0580	<0.0580	<0.580 B	<0.580 B	<0.580	<0.0580	<0.0580
MW-5A	10/09/24	<0.0570 J	<0.0570 J	<0.0570 J	<0.570 J	<0.570 J	<0.570 J	<0.0570 J	<0.0570 J
MW-7	10/10/24	**0.108**	**0.253**	<0.0650	**52.7**	**89.8**	**305 D**	**0.286**	**0.146**
MW-7A	10/10/24	**0.348**	<0.0590	<0.0590	**7.34**	**2.22**	**13.1**	<0.0590	**0.510**
MW-9	10/09/24	<0.0550 R	<0.0550 R	<0.0550 R	<5.50	<5.50	**6.26 D J**	<0.0550 R	<0.0550 R
MW-9D	10/09/24	<0.0610 B	<0.0610	<0.0610	<0.610	<0.610	<0.610	<0.0610	<0.0610
MW-10	10/09/24	<0.0625 B	<0.0625	<0.0625	<0.625	<0.625	<0.625	<0.0625	<0.0625
MW-11	10/09/24	<0.0675 B	<0.0675	<0.0675	<0.675	<0.675	<0.675	<0.0675	<0.0675
Duplicate (MW-11)	10/09/24	<0.0560 B	<0.0560	<0.0560	<0.560	<0.560	<0.560	<0.0560	<0.0560
MW-12	10/09/24	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	**0.0216 J**	**0.0212 J**
MW-13	10/09/24	<0.0525 B	<0.0525	<0.0525	<0.525	<0.525	<0.525	<0.0525	<0.0525
MW-14	10/09/24	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--
MW-15D	10/10/24	<0.0575 B	<0.0575 B	<0.0575	<0.575 B	<0.575 B	<0.575	<0.0575 B	<0.0575 B
MW-16	10/09/24	--	--	--	--	--	--	--	--
MW-16D	10/10/24	<0.0595 B	<0.0595	<0.0595	<0.595	<0.595	<0.595	<0.0595	<0.0595 B
MW-17	10/10/24	<0.0590	<0.0590	<0.0590	<0.590 B	<0.590 B	<0.590	<0.0590	<0.0590
RW-14	10/10/24	<0.0650	<0.0650	<0.0650	<0.650 B	<0.650 B	<0.650	<0.0650	<0.0650

Table 3 Notes
Current Groundwater Additional Analytical Results
Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Notes:

1. 1,2,3-Trichloropropane was analyzed by USEPA 524 and 8260D but the method with the lowest RDL is considered.
2. Polycyclic Aromatic Hydrocarbons analyzed by USEPA (United States Environmental Protect Agency) Method 8270D.
3. All constituents of concern analyzed by USEPA Method 8260D except where noted above.
4. All results reported in micrograms per liter.

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
feet =	Relative to NAVD88 for TOC and GW Elevation

Acronyms and Abbreviations:

-- =	Not Available or Not Analyzed
Duplicate =	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
B =	The same analyte is found in the associated blank
D =	Concentration is based on a diluted sample analysis.
ID =	Identification
J =	The associated numerical value is an estimated concentration only
MDL =	Method detection limit
MW =	Groundwater monitoring well
R =	The sample results are rejected.
RDL =	Reporting detection limit
USEPA =	U.S. Environmental Protection Agency
VOCs =	Volatile organic compounds

Reference:

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 October 18, 2023.

Table 4
Historical Groundwater Gauging and Primary Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	TOC (feet bTOC)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Naphthalene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Lead	Dissolved Lead	Comments
ADEC Groundwater Cleanup Levels					1,500	2,200	4.6	1,100	15	190	0.075	1.7	1.7	56	60	15	15	
MW-5	04/14/23	83.11	44.45	38.66	<888 B	380	11.3	5.15	64.9	61.7 J	*<0.250*	<1.00	1.12 J	28.2	1.56	--	--	
MW-5	08/22/23	83.11	44.10	39.01	260 J	3,350 J	71.8	14.9 J	110	122	*<0.500 J*	0.953 J	2.89 J	49.8	1.59 J	--	--	
MW-5	04/23/24	83.11	42.87	40.24	180 J	<100 J	<1.00	0.659 J	<1.00	<3.00	*<0.500 J*	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	
MW-5	10/10/24	83.08	42.68	40.40	<888 B	<100 B	0.230 J	0.609 J	0.525 J	0.797 J	*<0.500 J*	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	
Duplicate (MW-5)	10/10/24	--	--	--	<888 B	<100 B	0.301 J	0.688 J	0.439 J	0.741 J	<0.00500 J	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	
MW-5A	04/14/23	83.09	32.77	50.32	<800 B	572	<1.00	<1.00	0.204 J	1.31 J	<0.00500	<1.00	<5.00 J	<1.00	0.201 J	--	--	
MW-5A	08/22/23	83.09	32.15	50.94	267 J	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00*	<1.00	<1.00	--	--	
MW-5A	04/23/24	83.09	30.05	53.04	1,520	<100	<1.00	0.299 J	<1.00	<3.00	<0.00500 J	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	
MW-5A	10/09/24	83.06	29.88	53.18	<800	<100 B	<1.00	<1.00	<1.00	<3.00	0.00600 J	0.137 J	*<5.00*	<1.00	<1.00	4.95 J	<6.00	
MW-7	04/14/23	85.68	53.25	32.43	21,700	108,000	3,310 D	32,900 D	3,650 D	24,000 D	228 D	104	267 J	2,030 D	565	--	--	
Duplicate (MW-7)	04/14/23	--	--	--	21,400	113,000	3,250	30,900 D	3,490	22,500 D	228 D	105	277 J	2,380	566	--	--	
MW-7	08/22/23	85.68	53.09	32.59	23,700 J	98,500	2,990 D	28,200 D	3,420 D	22,000 D	260 D J	62.6 J	189 J	2,090 D	597 D	--	--	
MW-7	04/23/24	85.68	51.55	34.13	25,000	99,800	1,980	29,000	3,770	23,400	205 J	*<500*	*<2,500 J*	2,030	520	465	458	
MW-7	10/10/24	85.65	51.78	33.87	15,800	86,100	2,200	33,100	3,650	24,800	160 D J	*<500*	*<2,500 J*	2,260	667	496	528	
MW-7A	04/14/23	86.82	54.36	32.46	1,520	4,680	22.6	59.8	32.7	2,170 D	7.25 D	8.62 J	23.6 J	581 D	192	--	--	
MW-7A	08/22/23	86.82	54.18	32.64	3,050	7,730	87.5 J	152	54.7 J	5,870 J	19.0 D J	*<100*	*<500*	1,810 J	554 J	--	--	
Duplicate (MW-7A)	08/22/23	--	--	--	4,060	10,200	44.6	86.8	39.2	3,760 J	11.0 D J	9.94 J	40.2 J	1,100 J	315 J	--	--	
MW-7A	04/23/24	86.82	52.65	34.17	4,880	9,560	231	441	77.4 J	3,070	16.0 J	*<100*	*<500 J*	874	258	16.8	16.7	
Duplicate (MW-7A)	04/23/24	--	--	--	5,680	9,290	240	465	87.6	3,720	14.0 J	10.3 J	38.9 J	1,010	306	15.9	16.6	
MW-7A	10/10/24	86.80	53.00	33.80	3,700	5,260	158	273	25.6 J	2,270	8.00 D J	*<100*	*<500 J*	571	200	3.60 J	11.4	
MW-9	04/14/23	83.20	34.60	48.60	11,300	4,130	159 D	<1.00	10.6	1.52 J	<0.0500	10.0	<5.00 J	<1.00	0.665 J	--	--	
MW-9	08/22/23	83.20	33.80	49.40	13,300	1,770	428	<10.0	17.5	30.0 J	<0.0500 J	*<10.0*	*<50.0*	<10.0	<10.0	--	--	
MW-9	04/23/24	83.20	33.18	50.02	13,900	4,570	1,070	<10.0	53.8	104	0.600 J	7.51 J	*<50.0 J*	<10.0	1.11 J	<6.00	<6.00	
MW-9	10/09/24	83.18	32.45	50.73	14,700	4,130	949	<10.0	149	98.9	*<5.00 J*	5.28 J	*<50.0*	3.75 J	2.15 J	<6.00	<6.00	
MW-9D	10/09/24	83.14	43.20	39.94	7,300	2,190	766 D J	6.28 J	6.40 J	7.03 J	*<0.500 J*	18.3 J	*<5.00 J*	<1.00	1.06 J	5.89 J	18.5	
MW-10	04/14/23	82.52	36.90	45.62	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	08/22/23	82.52	29.60	52.92	<800	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	2.63 J	<1.00	<1.00	--	--	
MW-10	04/23/24	82.52	25.60	56.92	--	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-10	10/09/24	82.50	35.45	47.05	<800 B	<100 B	<1.00 J	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	
MW-11	04/14/23	83.95	50.79	33.16	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	08/22/23	83.95	50.21	33.74	194 J	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00*	<1.00	<1.00	--	--	
MW-11	04/23/24	83.95	48.62	35.33	--	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-11	10/09/24	83.96	48.90	35.06	<888 B	<100 B	<1.00 J	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	
Duplicate (MW-11)	10/09/24	--	--	--	<840 B	<100 B	<1.00 J	<1.00 J	<1.00 J	<3.00 J	<0.00500 J	<1.00 J	*<5.00 J*	<1.00 J	<1.00 J	<6.00	<6.00	
MW-12	04/14/23	84.04	52.16	31.88	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	08/22/23	84.04	52.11	31.93	218 J	<100	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00*	<1.00	<1.00	--	--	
MW-12	04/23/24	84.04	50.70	33.34	--	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-12	10/09/24	84.09	51.02	33.07	<800 B	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	3.15 J	
MW-13	04/14/23	84.89	53.00	31.89	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13	08/22/23	84.89	52.92	31.97	219 J	<100	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00*	<1.00	<1.00	--	--	
MW-13	04/23/24	84.89	51.46	33.43	--	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-13	10/09/24	84.86	51.78	33.08	<800 B	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	*<5.00 J*	<1.00	<1.00	<6.00	<6.00	

Table 4
Historical Groundwater Gauging and Primary Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	TOC (feet bTOC)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Naphthalene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Lead	Dissolved Lead	Comments
ADEC Groundwater Cleanup Levels					1,500	2,200	4.6	1,100	15	190	0.075	1.7	1.7	56	60	15	15	
MW-14	04/14/23	83.66	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry, No water to sample
MW-14	08/22/23	83.66	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry, No water to sample
MW-14	04/23/24	83.66	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Dry, No water to sample
MW-14	10/09/24	83.63	23.00	60.63	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-15	10/09/24	82.10	23.80	58.30	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-15D	10/10/24	82.67	36.70	45.97	<840 B	<100 B	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	**3.13 J**	<6.00	
MW-16	10/09/24	83.50	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-16D	10/10/24	83.45	44.75	38.70	<888 B	<100 B	**1.56 J**	<1.00	<1.00	<3.00	<0.00500 J	<1.00	***<5.00 J***	<1.00	<1.00	<6.00	**3.98 J**	
MW-17	10/10/24	81.70	41.25	40.45	<1,250 B	**716**	**39.6 J**	**0.922 J**	**69.3 J**	**29.4 J**	***<0.500 J***	**7.00 J**	***<5.00 J***	**0.456 J**	**1.69 J**	**11.2**	**10.3**	
RW-14	04/14/23	83.89	51.39	32.50	<800	<100	**0.831 J**	<1.00	**0.266 J**	<3.00 J	<0.00500	**3.13**	<5.00 J	<1.00	<1.00	--	--	
RW-14	08/22/23	83.89	51.20	32.69	<800	<100 B	**0.882 J**	<1.00	**0.546 J**	<3.00	<0.00500 J	**3.14**	***<5.00***	<1.00	<1.00	--	--	
RW-14	04/23/24	83.89	49.70	34.19	<840	**42.9 J**	**5.73**	**1.68**	**0.410 J**	<3.00	**0.0100 J**	**2.82**	***<5.00J***	<1.00	<1.00	<6.00	<6.00	
RW-14	10/10/24	83.81	50.00	33.81	<888 B	<100 B	**6.56 J**	<1.00	**0.767 J**	<3.00	**0.0120 J**	**4.33 J**	***<5.00 J***	<1.00	<1.00	<6.00	**3.20 J**	

Table 4 Notes
Historical Groundwater Gauging and Primary Analytical Results
First Half 2023 through Second Half 2024
Unocal#5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Notes:

1. GRO analyzed by Alaska Method AK101, DRO analyzed by Alaska Method AK102.
2. Lead and Dissolved Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. 1,2-Dibromoethane and 1,2,3-Trichloropropane was analyzed by USEPA 524 and 8260D but the method with the lowest RDL is considered.
4. Remaining constituents of concern analyzed by USEPA Method 8260D except where noted above.
5. All results reported in micrograms per liter.

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
feet =	Relative to NAVD88 for TOC and GW Elevation

Acronyms and Abbreviations:

-- =	Not Available or Not Analyzed
Duplicate =	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
B =	The same analyte is found in the associated blank
bTOC =	Below top of casing
D =	Concentration is based on a diluted sample analysis.
DRO =	Total petroleum hydrocarbons, diesel range organics
DTW =	Depth to groundwater
EDB =	1,2-Dibromoethane
EDC =	1,2-Dichloroethane
feet =	Depth to groundwater
GRO =	Total petroleum hydrocarbons, gasoline range organics
GW Elev =	Groundwater elevation
ID =	Identification
J =	The associated numerical value is an estimated concentration only
MTBE=	Methyl tert-butyl ether
MW =	Groundwater monitoring well
R =	The sample results are rejected.
TOC =	Top of casing

Reference:
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 October 18, 2023.

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D																		
		Acetone	Acrolein	Acrylonitrile	Bromobenzene	Bromochloro methane	Bromodichloro methane	Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromo-methane (Dibromochloro-methane)	Chloroethane (Ethyl Chloride)	Chloroform	Chloro methane	2-Chlorotoluene (o-Chlorotoluene)
ADEC Groundwater Cleanup Levels		14,000	--	--	62	--	1.3	33	7.5	1,000	2,000	690	810	4.6	78	8.7	21,000	2.2	190	--
MW-5	04/14/23	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-5	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**0.153 J**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50 J	<1.00
MW-5	04/23/24	**11.5 J**	<50.0	<10.0	<1.00 J	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 J	***<5.00***	<2.50	<1.00
MW-5	1010/2024	**12.3 J**	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
Duplicate (MW-5)	1010/2024	**12.5 J**	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00 J	<1.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-5A	04/14/23	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-5A	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-5A	04/23/24	<50.0	<50.0	<10.0	<1.00 J	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 J	***<5.00***	<2.50	<1.00
MW-5A	10/09/24	<50.0	<50.0 R	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00 B	<1.00	<1.00	<1.00	<5.00 J	***<5.00***	<2.50	<1.00
MW-7	04/14/23	<500	<500 J	<100	<10.0	<10.0	***<10.0***	<10.0	***<50.0***	**21.7**	**14.0**	<10.0	<10.0	***<10.0***	<10.0	***<10.0***	<50.0	***<50.0***	<25.0	<10.0
Duplicate (MW-7)	04/14/23	<1,000	<1,000 J	<200	<20.0	<20.0	***<20.0***	<20.0	***<100***	**18.9 J**	**11.8 J**	<20.0	<20.0	***<20.0***	<20.0	***<20.0***	<100	***<100***	<50.0	<20.0
MW-7	08/22/23	**494 J**	<50.0 J	<10.0 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	**10.3 J**	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	***<5.00 J***	<2.50 J	<1.00 J
MW-7	04/23/24	***<25,000***	<25,000	<5,000	***<500 J***	<500	***<500***	***<500***	***<2,500 J***	<500	<500	<500	<500	***<500***	***<500***	***<500***	<2,500 J	***<2,500***	***<1,250***	<500
MW-7	1010/2024	***<25,000***	<25,000	<5,000	***<500***	<500	***<500***	***<500***	***<2,500 J***	<500 J	<500	<500	<500	***<500***	***<500***	***<500***	<2,500	***<2,500***	***<1,250***	<500
MW-7A	04/14/23	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-7A	08/22/23	<5,000	<5,000 J	<1,000	***<100***	<100	***<100***	***<100***	***<500 J***	<100	<100	<100	<100	***<100***	***<100***	***<100***	<500	***<500***	***<250***	<100
Duplicate (MW-7A)	08/22/23	<1,000	<1,000 J	<200	<20.0	<20.0	***<20.0***	<20.0	***<100 J***	<20.0	**4.90 J**	<20.0	<20.0	***<20.0***	<20.0	***<20.0***	<100	***<100***	<50.0	<20.0
MW-7A	04/23/24	<5,000	<5,000	<1,000	***<100 J***	<100	***<100***	***<100***	***<500 J***	<100	<100	<100	<100	***<100***	***<100***	***<100***	<500 J	***<500***	***<250***	<100
Duplicate (MW-7A)	04/23/24	<1,000	<1,000	<200	<20.0 J	<20.0	***<20.0***	<20.0	***<100 J***	<20.0	**6.10 J**	<20.0	<20.0	***<20.0***	<20.0	***<20.0***	<100 J	***<100***	<50.0	<20.0
MW-7A	1010/2024	<5,000	<5,000	<1,000	***<100***	<100	***<100***	***<100***	***<500 J***	<100 J	<100	<100	<100	***<100***	***<100***	***<100***	<500	***<500***	***<250***	<100
MW-9	04/14/23	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-9	08/22/23	<500	<500 J	<100	<10.0	<10.0	***<10.0***	<10.0	***<50.0 J***	<10.0	<10.0	<10.0	<10.0	***<10.0***	<10.0	***<10.0***	<50.0	***<50.0***	<25.0	<10.0
MW-9	04/23/24	<500	<500	<100	<10.0 J	<10.0	***<10.0***	<10.0	***<50.0 J***	<10.0	<10.0	<10.0	<10.0	***<10.0***	<10.0	***<10.0***	<50.0 J	***<50.0***	<25.0	<10.0
MW-9	10/09/24	<500	<500 J	<100	<10.0	<10.0	***<10.0***	<10.0	***<50.0 J***	<10.0	**2.67 J**	<10.0	<10.0	***<10.0***	<10.0	***<10.0***	<50.0 J	***<50.0***	<25.0	<10.0
MW-9D	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-10	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-10	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-11	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-11	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
Duplicate (MW-11)		<50.0 J	<50.0 J	<10.0 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	***<5.00 J***	<2.50 J	<1.00 J
MW-12	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-12	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-13	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-13	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	10/09/24	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D														
		4-Chlorotoluene (p-Chlorotoluene)	1,2-Dibromo-3-chloropropane	Dibromomethane (Methylene bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon 12)	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)	trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene)	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene
ADEC Groundwater Cleanup Levels		--	--	8.3	300	300	4.8	200	28	280	36	360	8.2	--	--	--
MW-5	04/14/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5	04/23/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5	1010/2024	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Duplicate (MW-5)	1010/2024	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00
MW-5A	04/14/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5A	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5A	04/23/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-5A	10/09/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	**0.306 J**	<1.00	<1.00	<1.00	<1.00	<1.00
MW-7	04/14/23	<10.0	<50.0	***<10.0***	<10.0	***<10.0***	***<10.0***	<50.0	<10.0	<10.0	<10.0	<10.0	***<10.0***	<10.0	<10.0	<10.0
Duplicate (MW-7)	04/14/23	<20.0	<100	***<20.0***	<20.0	***<20.0***	***<20.0***	<100	<20.0	<20.0	<20.0	<20.0	***<20.0***	<20.0	<20.0	<20.0
MW-7	08/22/23	<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	**2.94 J**	<1.00 J	<1.00 J	<1.00 J
MW-7	04/23/24	<500	<2,500	***<500***	***<500***	***<500***	***<500***	***<2,500***	***<500***	***<500***	***<500***	***<500***	***<500***	<500	<500	<500
MW-7	1010/2024	<500	<2,500	***<500***	***<500***	***<500***	***<500***	***<2,500***	***<500***	***<500***	***<500***	***<500***	***<500***	<500	<500 J	<500
MW-7A	04/14/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-7A	08/22/23	<100	<500	***<100***	<100	<100	***<100***	***<500***	***<100***	<100	***<100***	<100	***<100***	<100	<100	<100
Duplicate (MW-7A)	08/22/23	<20.0	<100	<20.0	<20.0	<20.0	<20.0	<100	<20.0	<20.0	<20.0	<20.0	***<20.0***	<20.0	<20.0 J	<20.0
MW-7A	04/23/24	<100	<500	***<100***	<100	***<100***	***<100***	***<500***	***<100***	<100	***<100***	<100	***<100***	<100	<100	<100
Duplicate (MW-7A)	04/23/24	<20.0	<100	***<20.0***	<20.0	***<20.0***	***<20.0***	<100	<20.0	<20.0	<20.0	<20.0	***<20.0***	<20.0	<20.0	<20.0
MW-7A	1010/2024	<100	<500	***<100***	<100	<100	***<100***	***<500***	***<100***	<100	***<100***	<100	***<100***	<100	<100 J	<100
MW-9	04/14/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	**0.912 J**	<1.00	<1.00	<1.00
MW-9	08/22/23	<10.0	<50.0	***<10.0***	<10.0	<10.0	***<10.0***	<50.0	<10.0	<10.0	<10.0	<10.0	***<10.0***	<10.0	<10.0	<10.0
MW-9	04/23/24	<10.0	<50.0	***<10.0***	<10.0	***<10.0***	***<10.0***	<50.0	<10.0	<10.0	<10.0	<10.0	***<10.0***	<10.0	<10.0	<10.0
MW-9	10/09/24	<10.0	<50.0	***<10.0***	<10.0	<10.0	***<10.0***	<50.0	<10.0	<10.0	<10.0 J	<10.0	***<10.0***	<10.0	<10.0	<10.0
MW-9D	10/09/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	**0.936 J**	<1.00	<1.00	<1.00
MW-10	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-10	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	10/09/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-11	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-11	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	10/09/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Duplicate (MW-11)		<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J
MW-12	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-12	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	10/09/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-13	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-13	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	10/09/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	VOCs by USEPA Method 8260D															
		cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Di-isopropyl ether	Hexachloro-1,3-butadiene (Hexachloro butadiene)	Isopropylbenzene (Cumeme)	p-Isopropyltoluene	2-Butanone (Methyl ethyl ketone)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methylene chloride	MTBE	n-Propylbenzene (Propylbenzene)	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (Tetrachloroethylene)	1,2,3-Trichlorobenzene
ADEC Groundwater Cleanup Levels		--	--	--	1.4	450	--	5,600	6,300	110	140	660	1,200	5.7	0.76	41	7.0
MW-5	04/14/23	<1.00	<1.00	<1.00	<1.00	**2.25 J**	<1.00	<10.0	<10.0	<5.00	<1.00	**3.64**	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-5	08/22/23	<1.00	<1.00	<1.00	<1.00	**3.73 J**	<1.00	<10.0	<10.0	<5.00 J	<1.00	**5.94 J**	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-5	04/23/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-5	1010/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
Duplicate (MW-5)	1010/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00 J	<1.00	***<1.00***	<1.00	<1.00
MW-5A	04/14/23	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-5A	08/22/23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00 J	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-5A	04/23/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-5A	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-7	04/14/23	<10.0	<10.0	<10.0	***<10.0***	**95.6 J**	<10.0	<100	<100	<50.0	<10.0	**248**	<10.0	***<10.0***	***<10.0***	<10.0	***<10.0***
Duplicate (MW-7)	04/14/23	<20.0	<20.0	<20.0	***<20.0***	**89.6 J**	<20.0	<200	<200	<100	<20.0	**242**	<20.0	***<20.0***	***<20.0***	<20.0	***<20.0***
MW-7	08/22/23	<1.00 J	<1.00 J	<1.00 J	<1.00 J	**127 J**	**5.48 J**	**147 J**	**62.6 J**	<5.00 J	<1.00 J	**222 D J**	<1.00 J	<1.00 J	***<1.00 J***	<1.00 J	<1.00 J
MW-7	04/23/24	<500	<500	<500	***<500***	**114 J**	<500	<5,000	<5,000	***<2,500***	***<500***	**231 J**	<500	***<500***	***<500***	***<500***	***<500 J***
MW-7	1010/2024	<500	<500	<500	***<500***	**118 J**	<500	<5,000	<5,000	***<2,500***	***<500***	**226 J**	<500 J	***<500***	***<500***	***<500***	***<500***
MW-7A	04/14/23	<1.00	<1.00	<1.00	<1.00	**6.96 J**	<1.00	<10.0	<10.0	<5.00	<1.00	**9.87 J**	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-7A	08/22/23	<100	<100	<100	***<100***	**12.9 J**	**51.1 J**	<1,000	<1,000	***<500***	<100	**13.0 J**	<100	***<100***	***<100***	***<100***	***<100***
Duplicate (MW-7A)	08/22/23	<20.0	<20.0	<20.0	<20.0	**8.64 J**	**4.27 J**	<200	<200	<100	<20.0	**9.15 J**	<20.0	***<20.0 J***	***<20.0***	<20.0	***<20.0***
MW-7A	04/23/24	<100	<100	<100	***<100***	**13.0 J**	<100	<1,000	<1,000	***<500***	<100	**15.3 J**	<100	***<100***	***<100***	***<100***	***<100 J***
Duplicate (MW-7A)	04/23/24	<20.0	<20.0	<20.0	***<20.0***	**15.1 J**	<20.0	<200	<200	<100	<20.0	**17.6 J**	<20.0	***<20.0***	***<20.0***	<20.0	***<20.0 J***
MW-7A	1010/2024	<100	<100	<100	***<100***	<100	<100	<1,000	<1,000	***<500***	<100	<100	<100 J	***<100***	***<100***	***<100***	***<100***
MW-9	04/14/23	<1.00	<1.00	<1.00	<1.00	**1.60 J**	<1.00	<10.0	**1.68 J**	<5.00	<1.00	**1.81**	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-9	08/22/23	<10.0	<10.0	<10.0	***<10.0***	<10.0	<10.0	<100	<100	<50.0	<10.0	<10.0	<10.0	***<10.0***	***<10.0***	<10.0	***<10.0***
MW-9	04/23/24	<10.0	<10.0	<10.0	***<10.0***	**25.9**	<10.0	<100	<100	<50.0	<10.0	**17.8**	<10.0	***<10.0***	***<10.0***	<10.0	***<10.0 J***
MW-9	10/09/24	<10.0	<10.0	<10.0	***<10.0***	**28.4**	**7.29 J**	<100	<100	<50.0	<10.0	**31.5**	<10.0	***<10.0***	***<10.0***	<10.0 J	***<10.0***
MW-9D	10/09/24	<1.00	<1.00	<1.00	<1.00	**0.367 J**	<1.00	<10.0	**5.50 J**	**1.80 J**	<1.00	**0.331 J**	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-10	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	08/22/23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00 J	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-10	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-11	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	08/22/23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00 J	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-11	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
Duplicate (MW-11)		<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<10.0 J	<10.0 J	<5.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00 J	***<1.00 J***	<1.00 J	<1.00 J
MW-12	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	08/22/23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00 J	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-12	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-13	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	08/22/23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00 J	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
MW-13	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	10/09/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

		VOCs by USEPA Method 8260D									PAH by USEPA Method 8270D						
Well ID	**Sample Date**	**1,2,4-Trichlorobenzene**	**1,1,1-Trichloroethane**	**1,1,2-Trichloroethane**	**Trichloroethene (Trichloro ethylene)**	**Trichlorofluoromethane (Freon 11)**	**1,2,3-Trichloropropane**	**1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113)**	**1,2,3-Trimethy-benzene**	**Vinyl Chloride**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b) fluoranthene**	**Benzo(g,h,i) perylene**
ADEC Groundwater Cleanup Levels		**4.0**	**8,000**	**0.41**	**2.8**	**5,200**	**0.0075**	**10,000**	**--**	**0.19**	**530**	**260**	**43**	**0.3**	**0.25**	**2.5**	**0.26**
MW-5	04/14/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	***<0.250***	<1.00	**2.93**	***<1.00***	<0.0540	<0.0540	<0.0540	<0.0540	<0.0540	<0.0540	<0.0540
MW-5	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	***<0.500 J***	<1.00	**5.49 J**	***<1.00***	<0.0500 J	<0.0500 J	<0.0500 J	<0.0500 J	<0.0500	<0.0500	<0.0500
MW-5	04/23/24	<1.00	<1.00	***<1.00***	<1.00	<5.00	***<0.500 J***	<1.00	<1.00	***<1.00 J***	**0.0264 J**	**0.0189 J**	<0.0525	**0.0300 J**	<0.0525	<0.0525	<0.0525 J
MW-5	1010/2024	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	***<0.500 J***	<1.00	<1.00	***<1.00***	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560
Duplicate (MW-5)	1010/2024	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0580	<0.0580	<0.0580	<0.0580	<0.0580	<0.0580	<0.0580
MW-5A	04/14/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	**1.98**	***<1.00***	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545
MW-5A	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	**0.0659**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
MW-5A	04/23/24	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00 J***	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525
MW-5A	10/09/24	<1.00	<1.00	***<1.00***	**0.753 J**	<5.00 J	<0.00500 J	<1.00	<1.00	***<1.00 J***	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J
MW-7	04/14/23	***<10.0***	<10.0	***<10.0***	***<10.0***	<50.0	***<10.0***	<10.0	**570**	***<10.0***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500 B	<0.0500 B
Duplicate (MW-7)	04/14/23	***<20.0***	<20.0	***<20.0***	***<20.0***	<100	***<10.0***	<20.0	**570**	***<20.0***	<0.0520	<0.0520	<0.0520	<0.0520	<0.0520	<0.0520	<0.0520
MW-7	08/22/23	<1.00 J	<1.00 J	***<1.00 J***	**0.486 J**	<5.00 J	***<5.00 J***	<1.00 J	**580 D**	***<1.00 J***	**1.06**	<0.500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
MW-7	04/23/24	***<500***	<500	***<500***	***<500***	<2,500	***<5.00 J***	<500	**560**	***<500 J***	**0.406**	<0.0525	**0.0229 J**	**0.0246 J**	<0.0525	<0.0525	<0.0525
MW-7	1010/2024	***<500 J***	<500	***<500***	***<500***	<2,500	***<50.0 J***	<500	**651**	***<500***	**0.367**	<0.0650	<0.0650	**0.0282 J**	<0.0650	<0.0650	<0.0650
MW-7A	04/14/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	***<1.25***	<1.00	**187**	***<1.00***	**0.0877**	<0.0500	<0.0500	<0.0500 B	<0.0500	<0.0500 B	<0.0500
MW-7A	08/22/23	***<100***	<100	***<100***	***<100***	<500	***<5.00 J***	<100	**516**	***<100***	**0.0983**	<0.0500	<0.0500	**0.0408 J**	<0.0500	**0.0237 J**	<0.0500
Duplicate (MW-7A)	08/22/23	***<20.0***	<20.0	***<20.0***	***<50.0***	<100	***<5.00 J***	<20.0	**322**	***<20.0***	**0.142**	<0.0500	<0.0500	**0.0292 J**	<0.0500	<0.0500	<0.0500
MW-7A	04/23/24	***<100***	<100	***<100***	***<100***	<500	***<5.00 J***	<100	**270**	***<100 J***	**0.126**	<0.0525	<0.0525	**0.0288 J**	<0.0525	<0.0525	<0.0525
Duplicate (MW-7A)	04/23/24	***<20.0***	<20.0	***<20.0***	***<20.0***	<100	***<5.00 J***	<20.0	**322**	***<20.0 J***	**0.149**	<0.0525	<0.0525	**0.0426 J**	<0.0525	**0.0349 J**	**0.0269 J**
MW-7A	1010/2024	***<100 J***	<100	***<100***	***<100***	<500	***<5.00 J***	<100	**190**	***<100***	**0.213**	<0.0590	<0.0590	**0.115**	<0.0590	**0.0767**	**0.0882**
MW-9	04/14/23	<1.00	<1.00	***<1.00***	**0.361 J**	<5.00	***<0.0500***	<1.00	<1.00	***<1.00***	<0.0500 R	<0.0500 R	<0.0500 R	<0.0500 R	<0.0500 R	<0.0500 R	<0.0500 R
MW-9	08/22/23	***<10.0***	<10.0	***<10.0***	***<10.0***	<50.0	***<0.0500 J***	<10.0	<10.0	***<10.0***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
MW-9	04/23/24	***<10.0***	<10.0	***<10.0***	***<10.0***	<50.0	***<0.0500 J***	<10.0	<10.0	***<10.0 J***	<0.0525	**5.81**	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525
MW-9	10/09/24	***<10.0***	<10.0	***<10.0***	***<10.0 J***	<50.0 J	***<5.00 J***	<10.0	<10.0	***<10.0 J***	<0.0550 R	**7.55 J**	<0.0550 R	<0.0550 R	<0.0550 R	<0.0550 R	<0.0550 R
MW-9D	10/09/24	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	***<0.500 J***	<1.00	<1.00	***<1.00***	<0.0610	**0.781**	<0.0610	<0.0610	<0.0610	<0.0610	<0.0610
MW-10	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	**0.0246 J**	**0.0677**	**0.0263 J**	**0.117**	<0.0814 B
MW-10	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	10/09/24	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0625	<0.0625	<0.0625	<0.0625	<0.0625	<0.0625	<0.0625
MW-11	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
MW-11	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	10/09/24	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0675	<0.0675	<0.0675	<0.0675	<0.0675	<0.0675	<0.0675
Duplicate (MW-11)		<1.00 J	<1.00 J	***<1.00 J***	<1.00 J	<5.00 J	<0.00500 J	<1.00 J	<1.00 J	***<1.00 J***	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560	<0.0560
MW-12	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0415 J**	<0.0500 B
MW-12	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	10/09/24	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
MW-13	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
MW-13	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	10/09/24	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	PAH by USEPA Method 8270D												
		Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene	Dibenz(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Comments
ADEC Groundwater Cleanup Levels		**0.8**	**750**	**2.0**	**0.25**	**260**	**290**	**0.19**	**11**	**36**	**1.7**	**170**	**120**	
MW-5	04/14/23	<0.270	<0.540	<0.0540	<0.0540	<0.0540 B	<0.0540	<0.0540	**0.0517 J**	**0.0457 J**	**1.43**	**0.0253 J**	<0.0540	
MW-5	08/22/23	<0.250	<0.500 J	<0.0500 J	<0.0500	**0.0121 J**	<0.0500 J	<0.0500	**0.218 J**	**0.250 J**	**4.23 J**	<0.0500 J	<0.0500 J	
MW-5	04/23/24	<0.263	**0.0624 J**	**0.0350 J**	<0.0525 J	**0.138**	**0.0224 J**	<0.0525 J	**0.0676 J**	**0.0660 J**	<0.525	<0.0746 B	**0.0782**	
MW-5	1010/2024	<0.280	<0.560	<0.0560	<0.0560	<0.0560 B	<0.0560	<0.0560	<0.560	<0.560	<0.560	<0.0560	<0.0560	
Duplicate (MW-5)	1010/2024	<0.290	<0.580	<0.0580	<0.0580	<0.0580 B	<0.0580	<0.0580	<0.580 B	<0.580 B	<0.580	<0.0580	<0.0580	
MW-5A	04/14/23	<0.273	<0.545	<0.0545	<0.0545	<0.0545 B	<0.0545	<0.0545	<0.545	<0.545	<0.545	<0.0545	<0.0545	
MW-5A	08/22/23	<0.250	<0.500	<0.0500	<0.0500	**0.0664**	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	**0.0355 J**	
MW-5A	04/23/24	<0.263	<0.525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.525	<0.525	<0.525	<0.0525	<0.0525	
MW-5A	10/09/24	<0.285 J	<0.570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.0570 J	<0.570 J	<0.570 J	<0.570 J	<0.0570 J	<0.0570 J	
MW-7	04/14/23	<0.250	<0.500	<0.0500	**0.0194 J**	<0.0500 B	<0.0500	<0.0500	**31.1**	**56.9**	**233 J D**	<0.0500	**0.0356 J**	
Duplicate (MW-7)	04/14/23	<0.260	<0.520	<0.0520	<0.0520	<0.0520 B	**0.116**	<0.0520	**29.4**	**54.2**	**249 J D**	<0.0520	**0.0304 J**	
MW-7	08/22/23	<0.250	**0.394 D J**	<0.0500	<0.0500	**0.0314 J**	**0.187 D J**	<0.0500	**17.7**	**32.8**	**241 J**	**0.0654**	**0.0245 J**	
MW-7	04/23/24	<0.263	<0.525	**0.0256 J**	<0.0525	**0.0935**	**0.172**	<0.0525	**37.5**	**65.4**	**193 D**	**0.216**	**0.0920**	
MW-7	1010/2024	<0.325	<0.650	<0.0650	<0.0650	**0.108**	**0.253**	<0.0650	**52.7**	**89.8**	**305 D**	**0.286**	**0.146**	
MW-7A	04/14/23	<0.250	**0.0608 J**	<0.0500 B	<0.0500	<0.0500 B	**0.0621**	<0.0500	**5.56**	**7.69 J**	**19.9**	**0.0808**	**0.0587**	
MW-7A	08/22/23	<0.250	<0.500	**0.0391 J**	<0.0500	**0.0980**	**0.0638**	<0.0500	**6.65 J**	**7.53 J**	**19.2 J**	**0.0857**	**0.107**	
Duplicate (MW-7A)	08/22/23	<0.250	<0.500	**0.0281 J**	<0.0500	**0.0783**	**0.0979**	<0.0500	**9.88 J**	**11.8 J**	**26.7 J**	**0.0862**	**0.101**	
MW-7A	04/23/24	<0.263	<0.525	**0.0270 J**	<0.0525	**0.113**	**0.0828**	<0.0525	**7.47**	**5.53**	**15.4**	**0.0432 J**	**0.164**	
Duplicate (MW-7A)	04/23/24	**0.0255 J**	<0.525	**0.0459 J**	<0.0525	**0.141**	**0.0954**	**0.0296 J**	**9.08**	**7.26**	**18.9**	**0.0696**	**0.199**	
MW-7A	1010/2024	<0.295	<0.590	**0.132**	<0.0590	**0.348**	<0.0590	<0.0590	**7.34**	**2.22**	**13.1**	<0.0590	**0.510**	
MW-9	04/14/23	<0.250 R	**0.0256 J**	<0.0500 R	<0.0500 R	**0.0160 R**	<0.0500 R	<0.0500 R	**0.0643 J**	**0.0641 J**	<0.500 R	<0.0500 R	<0.0500 R	
MW-9	08/22/23	<0.250	<0.500	<0.0500	<0.0500	**0.0308 J**	**0.0258 J**	<0.0500	**0.0260 J**	**0.0371 J**	**0.169 J**	**0.0304 J**	**0.0227 J**	
MW-9	04/23/24	<0.263	<0.525	<0.0525	<0.0525	<0.0525 B	<0.0525	<0.0525	***<10.5***	<10.5	***<10.5***	**0.0219 J**	**0.0212 J**	
MW-9	10/09/24	<0.275 R	<0.550 R	<0.0550 R	<0.0550 R	<0.0550 R	<0.0550 R	<0.0550 R	<5.50	<5.50	**6.26 D J**	<0.0550 R	<0.0550 R	
MW-9D	10/09/24	<0.305	<0.610	<0.0610	<0.0610	<0.0610 B	<0.0610	<0.0610	<0.610	<0.610	<0.610	<0.0610	<0.0610	
MW-10	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	08/22/23	**0.112 J**	<0.500	**0.0921**	<0.0920 B	**0.0638**	<0.0500	<0.126 B	<0.500	<0.500	<0.500	**0.0503**	**0.0472 J**	
MW-10	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-10	10/09/24	<0.313	<0.625	<0.0625	<0.0625	<0.0625 B	<0.0625	<0.0625	<0.625	<0.625	<0.625	<0.0625	<0.0625	
MW-11	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	08/22/23	<0.250	<0.500	<0.0500	<0.0500	**0.0208 J**	<0.0500	<0.0500	**0.0299 J**	**0.0519 J**	<0.500	**0.0607**	**0.0213 J**	
MW-11	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-11	10/09/24	<0.338	<0.675	<0.0675	<0.0675	<0.0675 B	<0.0675	<0.0675	<0.675	<0.675	<0.675	<0.0675	<0.0675	
Duplicate (MW-11)		<0.280	<0.560	<0.0560	<0.0560	<0.0560 B	<0.0560	<0.0560	<0.560	<0.560	<0.560	<0.0560	<0.0560	
MW-12	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	08/22/23	<0.250	<0.500	<0.0500	<0.0500	**0.0383 J**	<0.0500	<0.0500 B	<0.500	<0.500	<0.500	**0.0285 J**	**0.0291 J**	
MW-12	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-12	10/09/24	<0.250	<0.500	<0.0500	<0.0500	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	**0.0216 J**	**0.0212 J**	
MW-13	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13	08/22/23	<0.250	<0.500	<0.0500	<0.0500	**0.0141 J**	<0.0500	<0.0500	<0.500	<0.500	<0.500	**0.0289 J**	<0.0500	
MW-13	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-13	10/09/24	<0.263	<0.525	<0.0525	<0.0525	<0.0525 B	<0.0525	<0.0525	<0.525	<0.525	<0.525	<0.0525	<0.0525	

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	Acetone	Acrolein	Acrylonitrile	Bromobenzene	Bromochloro methane	Bromodichloro methane	Bromoform	Bromomethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromo-methane (Dibromochloro-methane)	Chloroethane (Ethyl Chloride)	Chloroform	Chloro methane	2-Chlorotoluene (o-Chlorotoluene)
ADEC Groundwater Cleanup Levels		14,000	--	--	62	--	1.3	33	7.5	1,000	2,000	690	810	4.6	78	8.7	21,000	2.2	190	--
MW-14	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	08/22/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	1010/2024	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	1010/2024	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
MW-17	1010/2024	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
RW-14	04/14/23	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
RW-14	08/22/23	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00
RW-14	04/23/24	<50.0	<50.0	<10.0	<1.00 J	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00 J	***<5.00***	<2.50	<1.00
RW-14	1010/2024	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00

Table 5
Historical Groundwater Additonal Analytical Results
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Unocal #5057 Former (306450) (Chevron Facility No.306450)
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Well ID	Sample Date	4-Chlorotoluene (p-Chlorotoluene)	1,2-Dibromo-3-chloropropane	Dibromomethane (Methylene bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon 12)	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)	trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene)	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene
ADEC Groundwater Cleanup Levels		--	--	8.3	300	300	4.8	200	28	280	36	360	8.2	--	--	--
MW-14	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	08/22/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	1010/2024	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	1010/2024	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-17	1010/2024	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
RW-14	04/14/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
RW-14	08/22/23	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
RW-14	04/23/24	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
RW-14	1010/2024	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
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Well ID	Sample Date	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Di-isopropyl ether	Hexachloro-1,3-butadiene (Hexachloro butadiene)	Isopropylbenzene (Cumeme)	p-Isopropyltoluene	2-Butanone (Methyl ethyl ketone)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methylene chloride	MTBE	n-Propylbenzene (Propylbenzene)	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloro ethene (Tetrachloro ethylene)	1,2,3-Trichlorobenzene
ADEC Groundwater Cleanup Levels		--	--	--	1.4	450	--	5,600	6,300	110	140	660	1,200	5.7	0.76	41	7.0
MW-14	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	08/22/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	1010/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	1010/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
MW-17	1010/2024	<1.00	<1.00	<1.00	<1.00	**5.57 J**	<1.00	<10.0	**0.595 J**	<5.00	<1.00	**2.00 J**	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
RW-14	04/14/23	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
RW-14	08/22/23	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00 J	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00
RW-14	04/23/24	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J
RW-14	1010/2024	<1.00	<1.00	<1.00	<1.00	**0.115 J**	<1.00	<10.0	<10.0	<5.00	<1.00	<1.00	<1.00	<1.00	***<1.00***	<1.00	<1.00 J

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)	1,2,3-Trichloropropane	1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113)	1,2,3-Trimethy-benzene	Vinyl Chloride	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene
ADEC Groundwater Cleanup Levels		4.0	8,000	0.41	2.8	5,200	0.0075	10,000	--	0.19	530	260	43	0.3	0.25	2.5	0.26
MW-14	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	08/22/23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15D	1010/2024	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0575 B	<0.0575 B	<0.0575	<0.0575	<0.0575	<0.0575	<0.0575
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16D	1010/2024	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595
MW-17	1010/2024	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	***<0.500 J***	<1.00	<1.00	***<1.00***	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590
RW-14	04/14/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	***<1.00***	<0.0550	<0.0550	<0.0550	<0.0550	<0.0550	<0.0550 B	<0.0550
RW-14	08/22/23	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
RW-14	04/23/24	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00 J***	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525
RW-14	1010/2024	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500 J	<1.00	<1.00	***<1.00***	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Well ID	Sample Date	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene	Dibenz(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Comments
ADEC Groundwater Cleanup Levels		0.8	750	2.0	0.25	260	290	0.19	11	36	1.7	170	120	
MW-14	04/14/23	--	--	--	--	--	--	--	--	--	--	--	--	Dry, No water to sample
MW-14	08/22/23	--	--	--	--	--	--	--	--	--	--	--	--	Dry, No water to sample
MW-14	04/23/24	--	--	--	--	--	--	--	--	--	--	--	--	Dry, No water to sample
MW-14	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-15	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-15D	1010/2024	<0.288	<0.575	<0.0575	<0.0575	<0.0575 B	<0.0575 B	<0.0575	<0.575 B	<0.575 B	<0.575	<0.0575 B	<0.0575 B	
MW-16	10/09/24	--	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-16D	1010/2024	<0.297	<0.595	<0.0595	<0.0595	<0.0595 B	<0.0595	<0.0595	<0.595	<0.595	<0.595	<0.0595	<0.0595 B	
MW-17	1010/2024	<0.295	<0.590	<0.0590	<0.0590	<0.0590	<0.0590	<0.0590	<0.590 B	<0.590 B	<0.590	<0.0590	<0.0590	
RW-14	04/14/23	<0.275	<0.550	<0.0550	<0.0550	<0.0550 B	<0.0550	<0.0550	<0.550	**0.0405 J**	<0.550	**0.0353 J**	**0.0231 J**	
RW-14	08/22/23	<0.250	<0.500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	<0.0500	
RW-14	04/23/24	<0.263	<0.525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.525	<0.525	<0.525	<0.0525	<0.0525	
RW-14	1010/2024	<0.325	<0.650	<0.0650	<0.0650	<0.0650	<0.0650	<0.0650	<0.650 B	<0.650 B	<0.650	<0.0650	<0.0650	

Table 5 Notes
Historical Groundwater Additional Analytical Results
First Half 2023 through Second Half 2024
Unocal #5057 Former (306450) (Chevron Facility No.306450)
4351 Old International Airport Road,
Anchorage, Alaska

Notes:

1. 1,2,3-Trichloropropane was analyzed by USEPA 524 and 8260D but the method with the lowest RDL is considered.
2. Constituents of concern analyzed by United States Environmental Protection Agency (USEPA) Method 8270E-SIM.
3. Constituents of concern analyzed by USEPA Method 8260D except where noted above.
4. All results reported in micrograms per liter.

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
feet = Relative to NAVD88 for TOC and GW Elevation

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed
Duplicate = 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
B = The same analyte is found in the associated blank
D = Concentration is based on a diluted sample analysis.
DTW = Depth to groundwater
ID = Identification
J = The associated numerical value is an estimated concentration only
MDL = Method detection limit
MW = Groundwater monitoring well
RDL = Reporting detection limit
R = The sample results are rejected.
USEPA = U.S. Environmental Protection Agency
VOCs = Volatile organic compounds

Reference:

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 October 18, 2023.

Attachment A

Field Notes

Daily Log for October 9, 2024

Project Number : 30064225

Prepared By: Evan Wujcik

Site ID: 306450

Site Name: Old Airport

City: Anchorage

State: Alaska

Project Manager: Robinson, Gerald

Portfolio: COP 5.0

Subportfolio: West

Inside Chevron Operational Control? Yes ☐ No ☑

Staff on Site
Evan Wujcik

Weather(°F)	PPE	Equipment
CLOUDS, T:39.9 °F, rH:72%, Clouds: 100%, Wind:6.91mph N		Water Quality Meter (i.e. YSI), Water Level Meter (WLM), Bladder Pump, Photoionization Detector (PID)

Field Notes

Time	Description of Activities	Communication Trigger?	Photos
6:00	Arrive on site Locate Wells	✓	
7:00	Sample MW10 Decon equipment See COC for analysis	✓	
7:45	Sample MW9 Decon equipment See COC for analysis	✓	

Daily Log for October 9, 2024

8:30	Sample MW5A MS/MSD samples collected from this location Decon equipment See COC for analysis	✓	
9:15	Sample MW11 BD samples collected from this location Decon equipment See COC for analysis	✓	
10:00	Sample MW12 Decon equipment See COC for analysis	✓	
10:45	Sample MW13 Decon equipment See COC for analysis	✓	
11:30	Sample MW9D Decon equipment See COC for analysis	✓	
12:15	MW14, 15, 16 not enough water to sample Load vehicle Mobilize offsite	✓	

Daily Log for October 9, 2024

Equipment and Calibration Information:

Supplier:

Model:

Rental Number:

Calibrated:

Bump Checked:

Calibration Passed:

Water Quality Meter SN:

Date	Time	Calibrated Fluid and Value	Lot #	Expiration Date	Initial Reading	Final Reading

Communication Triggers
Did any communication triggers apply to your work today? Yes ☑ No ☐ **Communication trigger, if yes:** [Record]

CHMM Data
Was CHMM data collected today? Yes ☑ No ☐

Signature

Daily Log for October 10, 2024

Project Number : 30064225

Prepared By: Evan Wujcik

Site ID: 306450

Site Name: Old Airport

City: Anchorage

State: Alaska

Project Manager: Robinson, Gerald

Portfolio: COP 5.0

Subportfolio: West

Inside Chevron Operational Control? Yes ☐ No ☑

Staff on Site
Evan Wujcik

Weather(°F)	PPE	Equipment
RAIN, T:38.37 °F, rH:90%, Clouds: 100%, Wind:3.44mph NE		Water Quality Meter (i.e. YSI), Water Level Meter (WLM), Bladder Pump, Photoionization Detector (PID)

Field Notes

Time	Description of Activities	Communication Trigger?	Photos
6:00	Arrive on site Locate Wells	✓	
7:00	Sample MW17 Decon equipment See COC for analysis	✓	
7:45	Sample MW15D Decon equipment See COC for analysis	✓	

Daily Log for October 10, 2024

8:30	Sample MW16D Decon equipment See COC for analysis	✓	
9:15	Sample RW14 Decon equipment See COC for analysis	✓	
10:00	Sample MW5 BD2 samples collected from this location Decon equipment See COC for analysis	✓	
10:45	Sample MW7A Decon equipment See COC for analysis	✓	
11:30	Sample MW7 Decon equipment See COC for analysis	✓	
13:15	MW14, 15, 16 not enough water to sample Waste sample collected from 2024 drum Load vehicle Mobilize offsite	✓	

Daily Log for October 10, 2024

Equipment and Calibration Information:

Supplier:

Model:

Rental Number:

Calibrated:

Bump Checked:

Calibration Passed:

Water Quality Meter SN:

Date	Time	Calibrated Fluid and Value	Lot #	Expiration Date	Initial Reading	Final Reading

Communication Triggers
Did any communication triggers apply to your work today? Yes ☑ No ☐ **Communication trigger, if yes:** [Record]

CHMM Data
Was CHMM data collected today? Yes ☑ No ☐

Signature

Groundwater Gauging Log

Project Number	30064225
Client:	Chevron
Site ID:	306450
Site Location:	Anchorage, Alaska
Measuring Point:	Top of Casing
Date(s):	10/09/2024
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
MW-5A	10/09/2024	06:50	29.88	ND	44.00	0	--	--
MW-5	10/09/2024	06:52	42.68	ND	55.50	0	--	--
MW-7	10/09/2024	06:09	51.78	ND	57.10	0	--	--
MW-7A	10/09/2024	06:48	53	ND	65.00	0	--	--
MW-9	10/09/2024	06:15	32.45	ND	39.80	0	--	--
MW-9D	10/09/2024	06:24	43.2	ND	59.00	0	--	--
MW-10	10/09/2024	06:01	35.45	ND	48.00	0	--	--
MW-11	10/09/2024	06:09	48.9	ND	58.00	0	--	--
MW-12	10/09/2024	06:36	51.02	ND	53.00	0	--	--
MW-13	10/09/2024	06:03	51.78	ND	62.00	0	--	--
MW-14	10/09/2024	06:54	23	ND	23.30	0	--	No water to sample
MW-15	10/09/2024	06:14	23.8	ND	23.90	0	--	Not enough water to sample
MW-15D	10/09/2024	06:52	36.7	ND	52.00	0	--	MW-15D
MW-16D	10/09/2024	06:23	44.75	ND	60.00	0	--	MW-16D
MW-16	10/09/2024	07:07	39.3	ND	39.50	0	--	MW-16. Not enough water to sample
MW-17	10/09/2024	06:55	41.25	ND	46.00	0	--	MW-17
RW-14	10/09/2024	06:29	50	ND	55.00	0	--	--

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

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064225	**Well ID**	MW-17	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	31 to 46	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	41.25	**Total Depth (ft-bmp)**	46	**Water Column (ft)**	4.75	**Gallons in Well**	0.77
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:00	**Well Volumes Purged**	1.03	**Sample ID**	MW-17-W-20241010	**Purge Equipment**	Bladder
Purge Start	06:30	**Gallons Purged**	0.79	**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	41.25	6.34	0.488	0.0	1.20	8.00	-91	--	--
06:36	200	41.28	6.33	0.462	0.0	2.06	8.08	-95	--	--
06:39	200	41.3	6.33	0.449	0.0	2.65	8.10	-93	--	--
06:42	200	41.32	6.32	0.438	0.0	3.35	8.10	-90	--	--
06:45	200	41.32	6.32	0.438	0.0	2.94	8.07	-88	--	--

Comments: MW-17

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-17-W-20241010 Sample Time: 07:00 Sample Depth (ft-bmp) (e.g. pump intake): 42

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 41.32

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	30064225	**Well ID**	MW-15D	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	37 to 52	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	36.7	**Total Depth (ft-bmp)**	52	**Water Column (ft)**	15.3	**Gallons in Well**	2.49
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	07:45	**Well Volumes Purged**	0.25	**Sample ID**	MW-15D-W-20241010	**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	36.7	6.95	0.288	511	5.33	7.70	233	--	--
07:26	200	36.72	6.83	0.285	520	5.41	7.89	237	--	--
07:29	200	36.74	6.76	0.284	521	5.38	8.03	240	--	--
07:32	200	36.76	6.72	0.284	510	5.53	7.97	241	--	--

Comments: MW-15D

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-15D-W-20241010	Sample Time:	07:45	Sample Depth (ft-bmp) (e.g. pump intake):	37.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	36.76

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	30064225	**Well ID**	MW-16D	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	45 to 60	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	44.75	**Total Depth (ft-bmp)**	60	**Water Column (ft)**	15.25	**Gallons in Well**	2.48
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	08:30	**Well Volumes Purged**	0.26	**Sample ID**	MW-16D-W-20241010	**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	44.75	6.34	0.217	167	2.82	8.29	257	--	--
08:06	200	44.76	6.15	0.216	164	3.40	8.24	244	--	--
08:09	200	44.77	6.11	0.216	161	2.79	8.29	236	--	--
08:12	200	44.78	6.08	0.216	164	3.06	8.19	224	--	--

Comments: MW-16D

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-16D-W-20241010	Sample Time:	08:30	Sample Depth (ft-bmp) (e.g. pump intake):	45.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	44.78

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	30064225	**Well ID**	MW-11	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	48.9	**Total Depth (ft-bmp)**	58	**Water Column (ft)**	9.1	**Gallons in Well**	5.91
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	09:15	**Well Volumes Purged**	0.11	**Sample ID**	Mw-11-w-20241009	**Purge Equipment**	Bladder
Purge Start	08:50	**Gallons Purged**	0.63	**Duplicate ID**	BD-1-W-20241009	**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	48.9	6.48	0.277	94.2	1.82	9.04	281	--	--
08:56	200	48.9	6.14	0.275	96.6	1.25	9.20	286	--	--
08:59	200	48.9	6.01	0.274	92.0	1.18	9.24	288	--	--
09:02	200	48.9	5.92	0.273	84.4	1.14	9.29	288	--	--

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-11-w-20241009 Sample Time: 09:15 Sample Depth (ft-bmp) (e.g. pump intake): 50

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling: 48.9

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	30064225	**Well ID**	MW-5A	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	29.88	**Total Depth (ft-bmp)**	44	**Water Column (ft)**	14.12	**Gallons in Well**	2.29
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	08:30	**Well Volumes Purged**	0.35	**Sample ID**	MW-5A-W-20241009	**Purge Equipment**	Bladder
Purge Start	08:00	**Gallons Purged**	0.79	**Duplicate ID**	MS/MSD	**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	29.89	5.86	0.253	9.0	1.71	7.99	199	--	--
08:06	200	29.91	5.80	0.235	63.0	2.11	8.18	204	--	--
08:09	200	29.93	5.76	0.203	64.0	2.83	8.47	210	--	--
08:12	200	29.95	5.64	0.203	61.2	2.21	8.36	216	--	--
08:15	200	29.95	5.63	0.203	63.8	2.13	8.33	219	--	--

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-5A-W-20241009 Sample Time: 08:30 Sample Depth (ft-bmp) (e.g. pump intake): 31

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 29.95

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	30064225	**Well ID**	MW-5	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	42.68	**Total Depth (ft-bmp)**	55.5	**Water Column (ft)**	12.82	**Gallons in Well**	2.08
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:00	**Well Volumes Purged**	0.30	**Sample ID**	MW-5-W-20241010	**Purge Equipment**	Bladder
Purge Start	09:30	**Gallons Purged**	0.63	**Duplicate ID**	BD2	**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	42.7	6.21	0.173	65.0	2.97	7.91	80	--	--
09:36	200	42.72	6.19	0.165	54.4	3.24	8.00	77	--	--
09:39	200	42.73	6.17	0.157	47.9	3.22	8.26	76	--	--
09:42	200	42.74	6.18	0.156	41.5	3.49	8.21	74	--	--

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-5-W-20241010	Sample Time:	10:00	Sample Depth (ft-bmp) (e.g. pump intake):	43.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	42.74

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	30064225	**Well ID**	MW-13	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	51.78	**Total Depth (ft-bmp)**	62	**Water Column (ft)**	10.22	**Gallons in Well**	6.64
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:45	**Well Volumes Purged**	0.10	**Sample ID**	MW-13-W-20241009	**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	51.78	8.31	0.413	141	5.77	9.75	225	--	--
10:26	200	51.78	7.96	0.403	112	5.22	9.81	245	--	--
10:29	200	51.78	7.57	0.396	71.8	4.88	9.87	250	--	--
10:32	200	51.78	7.30	0.391	56.8	4.70	9.89	255	--	--

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-13-W-20241009	Sample Time:	10:45	Sample Depth (ft-bmp) (e.g. pump intake):	52.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	51.78

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	30064225	**Well ID**	MW-12	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	51.02	**Total Depth (ft-bmp)**	53	**Water Column (ft)**	1.98	**Gallons in Well**	1.29
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab
Sample Time	10:00	**Well Volumes Purged**	0.49	**Sample ID**	Mw-12-w-20241009	**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	51.02	7.02	0.397	92.6	1.82	9.78	256	--	--
09:36	200	51.02	6.92	0.396	72.9	0.69	9.98	259	--	--
09:39	200	51.02	6.90	0.395	56.7	0.23	10.12	263	--	--
09:42	200	51.02	6.86	0.395	52.2	0.10	10.14	264	--	--

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-12-w-20241009	Sample Time:	10:00	Sample Depth (ft-bmp) (e.g. pump intake):	52
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	51.02

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	30064225	**Well ID**	MW-10	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	35.45	**Total Depth (ft-bmp)**	48	**Water Column (ft)**	12.55	**Gallons in Well**	8.16
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:00	**Well Volumes Purged**	0.08	**Sample ID**	MW-10-W-20241009	**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	35.45	6.02	0.193	59.3	2.42	8.66	299	--	--
06:36	200	35.45	6.04	0.190	46.3	2.35	8.68	301	--	--
06:39	200	35.45	6.05	0.189	39.8	2.33	8.70	302	--	--
06:42	200	35.45	6.05	0.189	37.9	2.32	8.71	303	--	--

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-10-W-20241009	Sample Time:	07:00	Sample Depth (ft-bmp) (e.g. pump intake):	36
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	35.45

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	30064225	**Well ID**	MW-9	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	32.45	**Total Depth (ft-bmp)**	39.8	**Water Column (ft)**	7.35	**Gallons in Well**	1.19
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:45	**Well Volumes Purged**	0.53	**Sample ID**	MW-9-W-20241009	**Purge Equipment**	Bladder
Purge Start	07:30	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	07:40	**Total Purge Time (h:m)**	0:10				

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	32.45	6.01	0.457	39.1	0.28	7.84	279	--	--
07:26	200	32.47	6.07	0.467	37.8	0.00	7.86	271	--	--
07:29	200	32.49	6.09	0.469	36.3	0.00	7.83	267	--	--
07:32	200	32.5	6.09	0.471	38.0	0.00	7.84	262	--	--

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-9-W-20241009	Sample Time:	07:45	Sample Depth (ft-bmp) (e.g. pump intake):	33
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	32.5

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	30064225	**Well ID**	MW-9D	**Date**	10/9/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	15 to 30	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	43.2	**Total Depth (ft-bmp)**	59	**Water Column (ft)**	15.8	**Gallons in Well**	2.57
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	11:30	**Well Volumes Purged**	0.25	**Sample ID**	MW-9D-W-20241009	**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	43.2	6.08	0.588	314	1.07	7.83	236	--	--
11:06	200	43.22	6.19	0.590	307	0.67	7.78	177	--	--
11:09	200	43.24	6.23	0.591	293	0.52	7.89	139	--	--
11:12	200	43.25	6.25	0.591	288	0.41	7.84	112	--	--

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-9D-W-20241009	Sample Time:	11:30	Sample Depth (ft-bmp) (e.g. pump intake):	44
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	43.25

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	30064225	**Well ID**	MW-7	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**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)	51.78	**Total Depth (ft-bmp)**	57.1	**Water Column (ft)**	5.32	**Gallons in Well**	0.86
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	11:30	**Well Volumes Purged**	0.74	**Sample ID**	MW-7-W-20241010	**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	51.8	6.28	0.298	83.3	10.89	7.25	9	--	--
11:06	200	51.82	6.20	0.280	99.1	6.16	7.29	15	--	--
11:09	200	51.83	6.14	0.275	97.7	2.33	7.23	19	--	--
11:12	200	51.84	6.11	0.270	95.8	8.59	7.17	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:	MW-7-W-20241010	Sample Time:	11:30	Sample Depth (ft-bmp) (e.g. pump intake):	52.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	51.84

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	30064225	**Well ID**	MW-7A	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	45 to 65	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	53	**Total Depth (ft-bmp)**	65	**Water Column (ft)**	12	**Gallons in Well**	1.95
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:45	**Well Volumes Purged**	0.41	**Sample ID**	MW-7A-W-20241010	**Purge Equipment**	Bladder
Purge Start	10:20	**Gallons Purged**	0.79	**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	53.02	6.31	0.351	38.1	1.92	7.22	77	--	--
10:26	200	53.03	6.26	0.368	29.1	1.05	7.28	61	--	--
10:29	200	53.03	6.27	0.372	26.3	0.78	7.24	55	--	--
10:32	200	53.04	6.27	0.377	26.8	0.00	7.78	34	--	--
10:35	200	53.04	6.29	0.382	27.1	0.00	7.72	27	--	--

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-7A-W-20241010 Sample Time: 10:45 Sample Depth (ft-bmp) (e.g. pump intake): 54

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 53.04

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	30064225	**Well ID**	RW-14	**Date**	10/10/2024		
Site Location	Anchorage, Alaska	**Site ID**	306450	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	6	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	50	**Total Depth (ft-bmp)**	55	**Water Column (ft)**	5	**Gallons in Well**	7.31
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	09:15	**Well Volumes Purged**	0.09	**Sample ID**	RW-14-W-20241010	**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	50	6.20	0.259	46.6	1.42	7.93	75	--	--
08:56	200	50	6.14	0.262	39.0	1.21	7.70	73	--	--
08:59	200	50	6.14	0.265	37.5	1.05	7.62	71	--	--
09:02	200	50	6.13	0.267	37.0	0.74	7.71	70	--	--

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:	RW-14-W-20241010	Sample Time:	09:15	Sample Depth (ft-bmp) (e.g. pump intake):	50.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	50

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

Attachment B

Laboratory Analytical Results

ANALYTICAL REPORT

November 11, 2024

Arcadis U.S., Inc. - Chevron - AK

Sample Delivery Group:	L1788583
Samples Received:	10/12/2024
Project Number:	30064225.19.45
Description:	306450
Site:	4351 W. ITNL AIRPORT RD
Report To:	Kim Kroenke 880 H St. Anchorage, AK 99501

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

MW-5-W-20241010 L1788583-01 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 10:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:18	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:10	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2383274	1	10/16/24 19:36	10/16/24 19:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383147	100	10/16/24 12:56	10/16/24 12:56	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 07:12	10/22/24 07:12	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 15:48	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.12	10/14/24 13:02	10/15/24 09:49	JRM	Mt. Juliet, TN

MW-5A-W-20241009 L1788583-02 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 08:30 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:11	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:03	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2383274	1	10/16/24 19:58	10/16/24 19:58	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383147	1	10/16/24 14:01	10/16/24 14:01	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2387112	1	10/23/24 10:56	10/23/24 10:56	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2383709	1	10/17/24 04:51	10/21/24 10:47	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.14	10/14/24 13:02	10/15/24 10:06	JRM	Mt. Juliet, TN

MW-7-W-20241010 L1788583-03 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 11:30 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:19	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:11	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2383274	100	10/16/24 20:43	10/16/24 20:43	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383147	10000	10/16/24 15:48	10/16/24 15:48	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386744	500	10/22/24 22:45	10/22/24 22:45	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 16:08	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.3	10/14/24 13:02	10/15/24 11:00	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	13	10/14/24 13:02	10/17/24 19:48	MBE	Mt. Juliet, TN

MW-7A-W-20241010 L1788583-04 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 10:45 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:21	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:13	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2383274	1	10/16/24 20:20	10/16/24 20:20	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383147	1000	10/16/24 13:39	10/16/24 13:39	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386744	100	10/22/24 23:05	10/22/24 23:05	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 16:29	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.18	10/16/24 21:10	10/17/24 04:54	JRM	Mt. Juliet, TN

MW-9-W-20241009 L1788583-05 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 07:45 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:23	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:15	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	5	10/22/24 13:24	10/22/24 13:24	ADM	Mt. Juliet, TN

MW-9-W-20241009 L1788583-05 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 07:45 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383145	1000	10/16/24 16:09	10/16/24 16:09	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2387112	10	10/23/24 14:53	10/23/24 14:53	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2391115	10	10/29/24 23:48	10/29/24 23:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1	10/22/24 06:32	10/22/24 16:49	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.1	10/14/24 13:02	10/15/24 11:17	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	11	10/14/24 13:02	10/17/24 20:06	MBE	Mt. Juliet, TN

MW-9D-W-20241009 L1788583-06 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 11:30 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:28	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:20	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 08:10	10/22/24 08:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383145	100	10/16/24 15:05	10/16/24 15:05	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 07:52	10/22/24 07:52	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2390339	20	10/27/24 12:06	10/27/24 12:06	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.05	10/22/24 06:32	10/22/24 17:09	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.22	10/14/24 13:02	10/15/24 11:35	JRM	Mt. Juliet, TN

MW-10-W-20241009 L1788583-07 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 07:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:29	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:21	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 08:33	10/22/24 08:33	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 18:06	10/15/24 18:06	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 08:12	10/22/24 08:12	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2390339	1	10/27/24 11:23	10/27/24 11:23	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1	10/22/24 06:32	10/22/24 17:29	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.25	10/14/24 13:02	10/15/24 11:53	JRM	Mt. Juliet, TN

MW-11-W-20241009 L1788583-08 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 09:15 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:31	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:23	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 10:03	10/22/24 10:03	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 18:27	10/15/24 18:27	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 08:33	10/22/24 08:33	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2390339	1	10/27/24 11:45	10/27/24 11:45	JTO	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 17:50	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.35	10/14/24 13:02	10/15/24 12:11	JRM	Mt. Juliet, TN

MW-12-W-20241009 L1788583-09 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 10:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:33	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:25	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 10:25	10/22/24 10:25	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 18:49	10/15/24 18:49	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 08:53	10/22/24 08:53	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1	10/22/24 06:32	10/22/24 18:10	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1	10/14/24 13:02	10/15/24 12:29	JRM	Mt. Juliet, TN

MW-13-W-20241009 L1788583-10 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 10:45 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:35	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:26	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 10:47	10/22/24 10:47	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 19:10	10/15/24 19:10	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 09:13	10/22/24 09:13	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1	10/22/24 06:32	10/22/24 18:30	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.05	10/14/24 13:02	10/15/24 12:46	JRM	Mt. Juliet, TN

MW-15D-W-20241010 L1788583-11 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 07:45 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:36	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:28	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 11:10	10/22/24 11:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 19:32	10/15/24 19:32	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 09:34	10/22/24 09:34	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.05	10/22/24 06:32	10/22/24 18:51	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.15	10/16/24 21:10	10/17/24 05:11	JRM	Mt. Juliet, TN

MW-16D-W-20241010 L1788583-12 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 08:30 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:38	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:30	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 11:32	10/22/24 11:32	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 19:53	10/15/24 19:53	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 09:54	10/22/24 09:54	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 19:11	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.19	10/16/24 21:10	10/17/24 05:29	JRM	Mt. Juliet, TN

MW-17-W-20241010 L1788583-13 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 07:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:40	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:31	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 11:54	10/22/24 11:54	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2383145	100	10/16/24 15:26	10/16/24 15:26	BRA	Mt. Juliet, TN

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

MW-17-W-20241010 L1788583-13 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 07:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 10:14	10/22/24 10:14	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.05	10/22/24 06:32	10/22/24 19:31	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.18	10/16/24 21:10	10/17/24 05:46	JRM	Mt. Juliet, TN

RW-14-W-20241010 L1788583-14 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 09:15 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:41	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:33	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 12:17	10/22/24 12:17	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 20:36	10/15/24 20:36	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 10:35	10/22/24 10:35	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 19:51	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.3	10/16/24 21:10	10/17/24 06:03	JRM	Mt. Juliet, TN

BD-1-W-20241009 L1788583-15 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:43	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:35	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386663	1	10/22/24 17:44	10/22/24 17:44	NCD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 20:57	10/15/24 20:57	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2391115	1	10/29/24 17:24	10/29/24 17:24	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.05	10/22/24 06:32	10/22/24 20:12	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2380845	1.12	10/14/24 13:02	10/15/24 13:04	JRM	Mt. Juliet, TN

BD-2-W-20241010 L1788583-16 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 12:59	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:40	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 12:39	10/22/24 12:39	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 21:19	10/15/24 21:19	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386744	1	10/22/24 19:42	10/22/24 19:42	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2385176	1.11	10/22/24 06:32	10/22/24 20:32	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.16	10/16/24 21:10	10/17/24 06:20	JRM	Mt. Juliet, TN

EQB-1-W-20241010 L1788583-17 GW

Collected by: E. Wujcik | Collected date/time: 10/10/24 12:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2385410	1	10/23/24 09:12	10/23/24 13:01	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2385436	1	10/23/24 03:58	10/23/24 09:41	DJS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 13:02	10/22/24 13:02	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 21:40	10/15/24 21:40	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386744	1	10/22/24 20:03	10/22/24 20:03	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2388363	1.05	10/24/24 03:34	10/24/24 15:59	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2382961	1.16	10/16/24 21:10	10/17/24 03:46	JRM	Mt. Juliet, TN

TRIP BLANK-20241009 L1788583-18 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 03:22	10/22/24 03:22	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 15:57	10/15/24 15:57	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 06:11	10/22/24 06:11	JAH	Mt. Juliet, TN

TRIP BLANK 2-20241009 L1788583-19 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 03:45	10/22/24 03:45	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 16:18	10/15/24 16:18	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 06:31	10/22/24 06:31	JAH	Mt. Juliet, TN

TRIP BLANK 3-20241009 L1788583-20 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 04:07	10/22/24 04:07	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 16:40	10/15/24 16:40	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386718	1	10/22/24 06:51	10/22/24 06:51	JAH	Mt. Juliet, TN

TRIP BLANK 4-20241009 L1788583-21 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 04:30	10/22/24 04:30	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 17:01	10/15/24 17:01	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386860	1	10/22/24 10:50	10/22/24 10:50	JAH	Mt. Juliet, TN

TRIP BLANK 5-20241009 L1788583-22 GW

Collected by: E. Wujcik | Collected date/time: 10/09/24 00:00 | Received date/time: 10/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2386637	1	10/22/24 07:26	10/22/24 07:26	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2382260	1	10/15/24 17:23	10/15/24 17:23	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2386860	1	10/22/24 11:11	10/22/24 11:11	JAH	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

Sample Delivery Group (SDG) Narrative

Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2391115	8260D	L1788583-05, 15

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2390339	8260D	L1788583-06, 07, 08

Analyzed from headspace vial.

Batch	Method	Lab Sample ID
WG2386637	AK101	L1788583-18, 19, 20, 21, 22

Volatile Organic Compounds (GC) by Method AK101

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2383274	TPHGAK C6 to C10	L1788583-01, 02
WG2386637	TPHGAK C6 to C10	L1788583-07, 08, 09, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22
WG2386663	TPHGAK C6 to C10	L1788583-15

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
WG2386718	L1788583-01	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-06	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-07	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-08	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-09	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-10	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-11	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-12	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-13	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-14	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene

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
WG2386718	L1788583-18	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-19	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386718	L1788583-20	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene
WG2386744	L1788583-03	1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Bromomethane, Naphthalene, n-Butylbenzene and Styrene
WG2386744	L1788583-04	1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Bromomethane, Naphthalene, n-Butylbenzene and Styrene
WG2386744	L1788583-16	1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Bromomethane, Naphthalene, n-Butylbenzene and Styrene
WG2386744	L1788583-17	1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Bromomethane, Naphthalene, n-Butylbenzene and Styrene
WG2386860	L1788583-21	Bromomethane and Chloromethane
WG2386860	L1788583-22	Bromomethane and Chloromethane
WG2387112	L1788583-02	1,2-Dichloroethane, Acrolein, Bromomethane, Chloroethane, Trichlorofluoromethane and Vinyl chloride
WG2387112	L1788583-05	1,2-Dichloroethane, Acrolein, Bromomethane, Chloroethane, Trichlorofluoromethane and Vinyl chloride
WG2391115	L1788583-15	1,2,4-Trimethylbenzene, 2-Butanone (MEK), 4-Chlorotoluene, Acrolein, Bromobenzene, Carbon disulfide, Di-isopropyl ether and n-Propylbenzene

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

Batch	Analyte	Lab Sample ID
WG2386718	1,2-Dichloroethane-d4	L1788583-06, 07, 08, 09, 10, 11, 12, 13, 14, 20

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2387112	Carbon disulfide	L1788583-02

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

Batch	Lab Sample ID	Analytes
WG2387112	(LCSD) R4138676-2, L1788583-02, 05	Bromobenzene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2387112	(LCSD) R4138676-2, L1788583-02, 05	Acrolein

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

Batch	Lab Sample ID	Analytes
WG2387112	(MS) R4138676-4, L1788583-02	Acrolein

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

Batch	Lab Sample ID	Analytes
WG2387112	(MS) R4138676-4, (MSD) R4138676-5, L1788583-02	Chloromethane and Tetrachloroethene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2387112	(MSD) R4138676-5	Acrolein

Semi-Volatile Organic Compounds (GC) by Method AK102

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2385176	AK102 DRO C10-C25	L1788583-01, 04, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16

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

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

Batch	Analyte	Lab Sample ID
WG2380845	Nitrobenzene-d5	L1788583-05

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2382961	1-Methylnaphthalene	L1788583-11, 13, 14, 16
WG2382961	2-Methylnaphthalene	L1788583-11, 13, 14, 16
WG2382961	Acenaphthene	L1788583-11
WG2382961	Acenaphthylene	L1788583-11
WG2382961	Benzo(a)anthracene	L1788583-04
WG2382961	Chrysene	L1788583-04
WG2382961	Fluoranthene	L1788583-11, 12, 16, 17
WG2382961	Fluorene	L1788583-11
WG2382961	Phenanthrene	L1788583-11
WG2382961	Pyrene	L1788583-11, 12

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2380845	(MSD) R4133740-4, L1788583-02	19 analytes

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	10/23/2024 09:10	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:18	WG2385410

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	71.0	B J	28.7	100	1	10/16/2024 19:36	WG2383274
(S) a,a,a-Trifluorotoluene(FID)	*86.4*			*50.0-150*		*10/16/2024 19:36*	WG2383274

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	12.3	J	11.3	50.0	1	10/22/2024 07:12	WG2386718
1,2,3-Trichloropropane	U		0.200	0.500	100	10/16/2024 12:56	WG2383147
Acrolein	U		2.54	50.0	1	10/22/2024 07:12	WG2386718
1,2-Dibromoethane	U		0.410	0.500	100	10/16/2024 12:56	WG2383147
Acrylonitrile	U		0.671	10.0	1	10/22/2024 07:12	WG2386718
Benzene	0.230	J	0.0941	1.00	1	10/22/2024 07:12	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 07:12	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 07:12	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 07:12	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 07:12	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 07:12	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 07:12	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 07:12	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 07:12	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 07:12	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 07:12	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 07:12	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 07:12	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 07:12	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 07:12	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 07:12	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 07:12	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 07:12	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 07:12	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 07:12	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 07:12	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 07:12	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 07:12	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 07:12	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 07:12	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 07:12	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 07:12	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 07:12	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 07:12	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 07:12	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 07:12	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 07:12	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 07:12	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 07:12	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 07:12	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 07:12	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 07:12	WG2386718

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	0.525	J	0.137	1.00	1	10/22/2024 07:12	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 07:12	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 07:12	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 07:12	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 07:12	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 07:12	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 07:12	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 07:12	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 07:12	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 07:12	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 07:12	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 07:12	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 07:12	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 07:12	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 07:12	WG2386718
Toluene	0.609	J	0.278	1.00	1	10/22/2024 07:12	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 07:12	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 07:12	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 07:12	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 07:12	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 07:12	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 07:12	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 07:12	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 07:12	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 07:12	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 07:12	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 07:12	WG2386718
Xylenes, Total	0.797	J	0.174	3.00	1	10/22/2024 07:12	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 07:12	WG2386718
m&p-Xylene	0.797	J	0.430	2.00	1	10/22/2024 07:12	WG2386718
(S) Toluene-d8	*103*			*80.0-120*		*10/22/2024 07:12*	WG2386718
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*		*10/22/2024 07:12*	WG2386718
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*10/22/2024 07:12*	WG2386718

Sample Narrative:

L1788583-01 WG2383147: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	537	B J	189	888	1.11	10/22/2024 15:48	WG2385176
(S) o-Terphenyl	*52.6*			*50.0-150*		*10/22/2024 15:48*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0213	0.0560	1.12	10/15/2024 09:49	WG2380845
Acenaphthene	U		0.0213	0.0560	1.12	10/15/2024 09:49	WG2380845
Acenaphthylene	U		0.0190	0.0560	1.12	10/15/2024 09:49	WG2380845
Benzo(a)anthracene	U		0.0224	0.0560	1.12	10/15/2024 09:49	WG2380845
Benzo(a)pyrene	U		0.0202	0.0560	1.12	10/15/2024 09:49	WG2380845
Benzo(b)fluoranthene	U		0.0190	0.0560	1.12	10/15/2024 09:49	WG2380845
Benzo(g,h,i)perylene	U		0.0202	0.0560	1.12	10/15/2024 09:49	WG2380845
Benzo(k)fluoranthene	U		0.0224	0.280	1.12	10/15/2024 09:49	WG2380845
Chrysene	U		0.0202	0.0560	1.12	10/15/2024 09:49	WG2380845

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	
Dibenz(a,h)anthracene	U		0.0202	0.0560	1.12	10/15/2024 09:49	WG2380845
Fluoranthene	0.0130	J	0.0123	0.0560	1.12	10/15/2024 09:49	WG2380845
Fluorene	U		0.0190	0.0560	1.12	10/15/2024 09:49	WG2380845
Indeno(1,2,3-cd)pyrene	U		0.0202	0.0560	1.12	10/15/2024 09:49	WG2380845
Naphthalene	U		0.143	0.560	1.12	10/15/2024 09:49	WG2380845
Phenanthrene	U		0.0202	0.0560	1.12	10/15/2024 09:49	WG2380845
Pyrene	U		0.0190	0.0560	1.12	10/15/2024 09:49	WG2380845
1-Methylnaphthalene	U		0.0224	0.560	1.12	10/15/2024 09:49	WG2380845
2-Methylnaphthalene	U		0.0314	0.560	1.12	10/15/2024 09:49	WG2380845
2-Chloronaphthalene	U		0.0134	0.560	1.12	10/15/2024 09:49	WG2380845
(S) Nitrobenzene-d5	*97.8*			*11.0-135*		*10/15/2024 09:49*	WG2380845
(S) 2-Fluorobiphenyl	*95.1*			*32.0-120*		*10/15/2024 09:49*	WG2380845
(S) p-Terphenyl-d14	*89.8*			*23.0-122*		*10/15/2024 09:49*	WG2380845

Sample Narrative:

L1788583-01 WG2380845: Dilution due to matrix impact during extraction procedure

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

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	4.95	J	2.99	6.00	1	10/23/2024 09:03	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:11	WG2385410

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	74.0	B J	28.7	100	1	10/16/2024 19:58	WG2383274
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*50.0-150*		*10/16/2024 19:58*	WG2383274

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	10/23/2024 10:56	WG2387112
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/16/2024 14:01	WG2383147
Acrolein	U	C3 J3 J6	2.54	50.0	1	10/23/2024 10:56	WG2387112
1,2-Dibromoethane	0.00600		0.00410	0.00500	1	10/16/2024 14:01	WG2383147
Acrylonitrile	U		0.671	10.0	1	10/23/2024 10:56	WG2387112
Benzene	U		0.0941	1.00	1	10/23/2024 10:56	WG2387112
Bromobenzene	U	J4	0.118	1.00	1	10/23/2024 10:56	WG2387112
Bromochloromethane	U		0.128	1.00	1	10/23/2024 10:56	WG2387112
Bromodichloromethane	U		0.136	1.00	1	10/23/2024 10:56	WG2387112
Bromoform	U		0.129	1.00	1	10/23/2024 10:56	WG2387112
Bromomethane	U	C3	0.605	5.00	1	10/23/2024 10:56	WG2387112
n-Butylbenzene	U		0.157	1.00	1	10/23/2024 10:56	WG2387112
sec-Butylbenzene	U		0.125	1.00	1	10/23/2024 10:56	WG2387112
tert-Butylbenzene	U		0.127	1.00	1	10/23/2024 10:56	WG2387112
Carbon disulfide	0.347	B J	0.0962	1.00	1	10/23/2024 10:56	WG2387112
Carbon tetrachloride	U		0.128	1.00	1	10/23/2024 10:56	WG2387112
Chlorobenzene	U		0.116	1.00	1	10/23/2024 10:56	WG2387112
Chlorodibromomethane	U		0.140	1.00	1	10/23/2024 10:56	WG2387112
Chloroethane	U	C3	0.192	5.00	1	10/23/2024 10:56	WG2387112
Chloroform	U		0.111	5.00	1	10/23/2024 10:56	WG2387112
Chloromethane	U	J5	0.960	2.50	1	10/23/2024 10:56	WG2387112
2-Chlorotoluene	U		0.106	1.00	1	10/23/2024 10:56	WG2387112
4-Chlorotoluene	U		0.114	1.00	1	10/23/2024 10:56	WG2387112
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/23/2024 10:56	WG2387112
1,2-Dibromoethane	U		0.126	1.00	1	10/23/2024 10:56	WG2387112
Dibromomethane	U		0.122	1.00	1	10/23/2024 10:56	WG2387112
1,2-Dichlorobenzene	U		0.107	1.00	1	10/23/2024 10:56	WG2387112
1,3-Dichlorobenzene	U		0.110	1.00	1	10/23/2024 10:56	WG2387112
1,4-Dichlorobenzene	U		0.120	1.00	1	10/23/2024 10:56	WG2387112
Dichlorodifluoromethane	U		0.374	5.00	1	10/23/2024 10:56	WG2387112
1,1-Dichloroethane	U		0.100	1.00	1	10/23/2024 10:56	WG2387112
1,2-Dichloroethane	0.137	C3 J	0.0819	1.00	1	10/23/2024 10:56	WG2387112
1,1-Dichloroethene	U		0.188	1.00	1	10/23/2024 10:56	WG2387112
cis-1,2-Dichloroethene	0.306	J	0.126	1.00	1	10/23/2024 10:56	WG2387112
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/23/2024 10:56	WG2387112
1,2-Dichloropropane	U		0.149	1.00	1	10/23/2024 10:56	WG2387112
1,1-Dichloropropene	U		0.142	1.00	1	10/23/2024 10:56	WG2387112
1,3-Dichloropropane	U		0.110	1.00	1	10/23/2024 10:56	WG2387112
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/23/2024 10:56	WG2387112
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/23/2024 10:56	WG2387112
2,2-Dichloropropane	U		0.161	1.00	1	10/23/2024 10:56	WG2387112
Di-isopropyl ether	U		0.105	1.00	1	10/23/2024 10:56	WG2387112

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.137	1.00	1	10/23/2024 10:56	WG2387112
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/23/2024 10:56	WG2387112
Isopropylbenzene	U		0.105	1.00	1	10/23/2024 10:56	WG2387112
p-Isopropyltoluene	U		0.120	1.00	1	10/23/2024 10:56	WG2387112
2-Butanone (MEK)	U		1.19	10.0	1	10/23/2024 10:56	WG2387112
Methylene Chloride	U		0.430	5.00	1	10/23/2024 10:56	WG2387112
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/23/2024 10:56	WG2387112
Methyl tert-butyl ether	U		0.101	1.00	1	10/23/2024 10:56	WG2387112
Naphthalene	U		1.00	5.00	1	10/23/2024 10:56	WG2387112
n-Propylbenzene	U		0.0993	1.00	1	10/23/2024 10:56	WG2387112
Styrene	U		0.118	1.00	1	10/23/2024 10:56	WG2387112
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/23/2024 10:56	WG2387112
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/23/2024 10:56	WG2387112
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/23/2024 10:56	WG2387112
Tetrachloroethene	U	J5	0.300	1.00	1	10/23/2024 10:56	WG2387112
Toluene	U		0.278	1.00	1	10/23/2024 10:56	WG2387112
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/23/2024 10:56	WG2387112
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/23/2024 10:56	WG2387112
1,1,1-Trichloroethane	U		0.149	1.00	1	10/23/2024 10:56	WG2387112
1,1,2-Trichloroethane	U		0.158	1.00	1	10/23/2024 10:56	WG2387112
Trichloroethene	0.753	J	0.190	1.00	1	10/23/2024 10:56	WG2387112
Trichlorofluoromethane	U	C3	0.160	5.00	1	10/23/2024 10:56	WG2387112
1,2,3-Trichloropropane	U		0.237	2.50	1	10/23/2024 10:56	WG2387112
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/23/2024 10:56	WG2387112
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/23/2024 10:56	WG2387112
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/23/2024 10:56	WG2387112
Vinyl chloride	U	C3	0.234	1.00	1	10/23/2024 10:56	WG2387112
Xylenes, Total	U		0.174	3.00	1	10/23/2024 10:56	WG2387112
o-Xylene	U		0.174	1.00	1	10/23/2024 10:56	WG2387112
m&p-Xylene	U		0.430	2.00	1	10/23/2024 10:56	WG2387112
(S) Toluene-d8	*104*			*80.0-120*		*10/23/2024 10:56*	WG2387112
(S) 4-Bromofluorobenzene	*99.8*			*77.0-126*		*10/23/2024 10:56*	WG2387112
(S) 1,2-Dichloroethane-d4	*75.3*			*70.0-130*		*10/23/2024 10:56*	WG2387112

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	U		170	800	1	10/21/2024 10:47	WG2383709
(S) o-Terphenyl	*109*			*50.0-150*		*10/21/2024 10:47*	WG2383709

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U	J3	0.0217	0.0570	1.14	10/15/2024 10:06	WG2380845
Acenaphthene	U	J3	0.0217	0.0570	1.14	10/15/2024 10:06	WG2380845
Acenaphthylene	U	J3	0.0194	0.0570	1.14	10/15/2024 10:06	WG2380845
Benzo(a)anthracene	U	J3	0.0228	0.0570	1.14	10/15/2024 10:06	WG2380845
Benzo(a)pyrene	U	J3	0.0205	0.0570	1.14	10/15/2024 10:06	WG2380845
Benzo(b)fluoranthene	U	J3	0.0194	0.0570	1.14	10/15/2024 10:06	WG2380845
Benzo(g,h,i)perylene	U	J3	0.0205	0.0570	1.14	10/15/2024 10:06	WG2380845
Benzo(k)fluoranthene	U	J3	0.0228	0.285	1.14	10/15/2024 10:06	WG2380845
Chrysene	U	J3	0.0205	0.0570	1.14	10/15/2024 10:06	WG2380845
Dibenz(a,h)anthracene	U	J3	0.0205	0.0570	1.14	10/15/2024 10:06	WG2380845
Fluoranthene	U	J3	0.0125	0.0570	1.14	10/15/2024 10:06	WG2380845
Fluorene	U	J3	0.0194	0.0570	1.14	10/15/2024 10:06	WG2380845

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	
Indeno(1,2,3-cd)pyrene	U	J3	0.0205	0.0570	1.14	10/15/2024 10:06	WG2380845
Naphthalene	U	J3	0.146	0.570	1.14	10/15/2024 10:06	WG2380845
Phenanthrene	U	J3	0.0205	0.0570	1.14	10/15/2024 10:06	WG2380845
Pyrene	U	J3	0.0194	0.0570	1.14	10/15/2024 10:06	WG2380845
1-Methylnaphthalene	U	J3	0.0228	0.570	1.14	10/15/2024 10:06	WG2380845
2-Methylnaphthalene	U	J3	0.0319	0.570	1.14	10/15/2024 10:06	WG2380845
2-Chloronaphthalene	U	J3	0.0137	0.570	1.14	10/15/2024 10:06	WG2380845
(S) Nitrobenzene-d5	*100*			*11.0-135*		*10/15/2024 10:06*	WG2380845
(S) 2-Fluorobiphenyl	*98.7*			*32.0-120*		*10/15/2024 10:06*	WG2380845
(S) p-Terphenyl-d14	*92.1*			*23.0-122*		*10/15/2024 10:06*	WG2380845

Sample Narrative:

L1788583-02 WG2380845: Dilution due to matrix impact during extraction procedure

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	496		2.99	6.00	1	10/23/2024 09:11	WG2385436
Lead,Dissolved	528		2.99	6.00	1	10/23/2024 13:19	WG2385410

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	86100		2870	10000	100	10/16/2024 20:43	WG2383274
(S) a,a,a-Trifluorotoluene(FID)	*87.6*			*50.0-150*		*10/16/2024 20:43*	WG2383274

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		5650	25000	500	10/22/2024 22:45	WG2386744
1,2,3-Trichloropropane	U		20.0	50.0	10000	10/16/2024 15:48	WG2383147
Acrolein	U		1270	25000	500	10/22/2024 22:45	WG2386744
1,2-Dibromoethane	160		41.0	50.0	10000	10/16/2024 15:48	WG2383147
Acrylonitrile	U		336	5000	500	10/22/2024 22:45	WG2386744
Benzene	2200		47.1	500	500	10/22/2024 22:45	WG2386744
Bromobenzene	U		59.0	500	500	10/22/2024 22:45	WG2386744
Bromochloromethane	U		64.0	500	500	10/22/2024 22:45	WG2386744
Bromodichloromethane	U		68.0	500	500	10/22/2024 22:45	WG2386744
Bromoform	U		64.5	500	500	10/22/2024 22:45	WG2386744
Bromomethane	U	C3	303	2500	500	10/22/2024 22:45	WG2386744
n-Butylbenzene	U	C3	78.5	500	500	10/22/2024 22:45	WG2386744
sec-Butylbenzene	U		62.5	500	500	10/22/2024 22:45	WG2386744
tert-Butylbenzene	U		63.5	500	500	10/22/2024 22:45	WG2386744
Carbon disulfide	U		48.1	500	500	10/22/2024 22:45	WG2386744
Carbon tetrachloride	U		64.0	500	500	10/22/2024 22:45	WG2386744
Chlorobenzene	U		58.0	500	500	10/22/2024 22:45	WG2386744
Chlorodibromomethane	U		70.0	500	500	10/22/2024 22:45	WG2386744
Chloroethane	U		96.0	2500	500	10/22/2024 22:45	WG2386744
Chloroform	U		55.5	2500	500	10/22/2024 22:45	WG2386744
Chloromethane	U		480	1250	500	10/22/2024 22:45	WG2386744
2-Chlorotoluene	U		53.0	500	500	10/22/2024 22:45	WG2386744
4-Chlorotoluene	U		57.0	500	500	10/22/2024 22:45	WG2386744
1,2-Dibromo-3-Chloropropane	U		138	2500	500	10/22/2024 22:45	WG2386744
1,2-Dibromoethane	U		63.0	500	500	10/22/2024 22:45	WG2386744
Dibromomethane	U		61.0	500	500	10/22/2024 22:45	WG2386744
1,2-Dichlorobenzene	U		53.5	500	500	10/22/2024 22:45	WG2386744
1,3-Dichlorobenzene	U		55.0	500	500	10/22/2024 22:45	WG2386744
1,4-Dichlorobenzene	U		60.0	500	500	10/22/2024 22:45	WG2386744
Dichlorodifluoromethane	U		187	2500	500	10/22/2024 22:45	WG2386744
1,1-Dichloroethane	U		50.0	500	500	10/22/2024 22:45	WG2386744
1,2-Dichloroethane	U		40.9	500	500	10/22/2024 22:45	WG2386744
1,1-Dichloroethene	U		94.0	500	500	10/22/2024 22:45	WG2386744
cis-1,2-Dichloroethene	U		63.0	500	500	10/22/2024 22:45	WG2386744
trans-1,2-Dichloroethene	U		74.5	500	500	10/22/2024 22:45	WG2386744
1,2-Dichloropropane	U		74.5	500	500	10/22/2024 22:45	WG2386744
1,1-Dichloropropene	U		71.0	500	500	10/22/2024 22:45	WG2386744
1,3-Dichloropropane	U		55.0	500	500	10/22/2024 22:45	WG2386744
cis-1,3-Dichloropropene	U		55.5	500	500	10/22/2024 22:45	WG2386744
trans-1,3-Dichloropropene	U		59.0	500	500	10/22/2024 22:45	WG2386744
2,2-Dichloropropane	U	C3	80.5	500	500	10/22/2024 22:45	WG2386744
Di-isopropyl ether	U		52.5	500	500	10/22/2024 22:45	WG2386744

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	3650		68.5	500	500	10/22/2024 22:45	WG2386744
Hexachloro-1,3-butadiene	U		169	500	500	10/22/2024 22:45	WG2386744
Isopropylbenzene	118	J	52.5	500	500	10/22/2024 22:45	WG2386744
p-Isopropyltoluene	U		60.0	500	500	10/22/2024 22:45	WG2386744
2-Butanone (MEK)	U		595	5000	500	10/22/2024 22:45	WG2386744
Methylene Chloride	U		215	2500	500	10/22/2024 22:45	WG2386744
4-Methyl-2-pentanone (MIBK)	U		239	5000	500	10/22/2024 22:45	WG2386744
Methyl tert-butyl ether	U		50.5	500	500	10/22/2024 22:45	WG2386744
Naphthalene	U	C3	500	2500	500	10/22/2024 22:45	WG2386744
n-Propylbenzene	226	J	49.7	500	500	10/22/2024 22:45	WG2386744
Styrene	U	C3	59.0	500	500	10/22/2024 22:45	WG2386744
1,1,1,2-Tetrachloroethane	U		73.5	500	500	10/22/2024 22:45	WG2386744
1,1,2,2-Tetrachloroethane	U		66.5	500	500	10/22/2024 22:45	WG2386744
1,1,2-Trichlorotrifluoroethane	U		90.0	500	500	10/22/2024 22:45	WG2386744
Tetrachloroethene	U		150	500	500	10/22/2024 22:45	WG2386744
Toluene	33100		139	500	500	10/22/2024 22:45	WG2386744
1,2,3-Trichlorobenzene	U		115	500	500	10/22/2024 22:45	WG2386744
1,2,4-Trichlorobenzene	U	C3	241	500	500	10/22/2024 22:45	WG2386744
1,1,1-Trichloroethane	U		74.5	500	500	10/22/2024 22:45	WG2386744
1,1,2-Trichloroethane	U		79.0	500	500	10/22/2024 22:45	WG2386744
Trichloroethene	U		95.0	500	500	10/22/2024 22:45	WG2386744
Trichlorofluoromethane	U		80.0	2500	500	10/22/2024 22:45	WG2386744
1,2,3-Trichloropropane	U		119	1250	500	10/22/2024 22:45	WG2386744
1,2,4-Trimethylbenzene	2260		161	500	500	10/22/2024 22:45	WG2386744
1,2,3-Trimethylbenzene	651		52.0	500	500	10/22/2024 22:45	WG2386744
1,3,5-Trimethylbenzene	667		52.0	500	500	10/22/2024 22:45	WG2386744
Vinyl chloride	U		117	500	500	10/22/2024 22:45	WG2386744
Xylenes, Total	24800		87.0	1500	500	10/22/2024 22:45	WG2386744
o-Xylene	7820		87.0	500	500	10/22/2024 22:45	WG2386744
m&p-Xylene	17000		215	1000	500	10/22/2024 22:45	WG2386744
(S) Toluene-d8	*99.6*			*80.0-120*		*10/22/2024 22:45*	WG2386744
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*10/22/2024 22:45*	WG2386744
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*10/22/2024 22:45*	WG2386744

Sample Narrative:

L1788583-03 WG2383147: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	15800		189	888	1.11	10/22/2024 16:08	WG2385176
(S) o-Terphenyl	*67.3*			*50.0-150*		*10/22/2024 16:08*	WG2385176

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	
Anthracene	U		0.0247	0.0650	1.3	10/15/2024 11:00	WG2380845
Acenaphthene	0.367		0.0247	0.0650	1.3	10/15/2024 11:00	WG2380845
Acenaphthylene	U		0.0221	0.0650	1.3	10/15/2024 11:00	WG2380845
Benzo(a)anthracene	0.0282	J	0.0260	0.0650	1.3	10/15/2024 11:00	WG2380845
Benzo(a)pyrene	U		0.0234	0.0650	1.3	10/15/2024 11:00	WG2380845
Benzo(b)fluoranthene	U		0.0221	0.0650	1.3	10/15/2024 11:00	WG2380845
Benzo(g,h,i)perylene	U		0.0234	0.0650	1.3	10/15/2024 11:00	WG2380845
Benzo(k)fluoranthene	U		0.0260	0.325	1.3	10/15/2024 11:00	WG2380845
Chrysene	U		0.0234	0.0650	1.3	10/15/2024 11:00	WG2380845

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	
Dibenz(a,h)anthracene	U		0.0234	0.0650	1.3	10/15/2024 11:00	WG2380845
Fluoranthene	0.108		0.0143	0.0650	1.3	10/15/2024 11:00	WG2380845
Fluorene	0.253		0.0221	0.0650	1.3	10/15/2024 11:00	WG2380845
Indeno(1,2,3-cd)pyrene	U		0.0234	0.0650	1.3	10/15/2024 11:00	WG2380845
Naphthalene	305		1.66	6.50	13	10/17/2024 19:48	WG2380845
Phenanthrene	0.286		0.0234	0.0650	1.3	10/15/2024 11:00	WG2380845
Pyrene	0.146		0.0221	0.0650	1.3	10/15/2024 11:00	WG2380845
1-Methylnaphthalene	52.7		0.0260	0.650	1.3	10/15/2024 11:00	WG2380845
2-Methylnaphthalene	89.8		0.0364	0.650	1.3	10/15/2024 11:00	WG2380845
2-Chloronaphthalene	U		0.0156	0.650	1.3	10/15/2024 11:00	WG2380845
(S) Nitrobenzene-d5	*121*			*11.0-135*		*10/17/2024 19:48*	WG2380845
(S) Nitrobenzene-d5	*120*			*11.0-135*		*10/15/2024 11:00*	WG2380845
(S) 2-Fluorobiphenyl	*101*			*32.0-120*		*10/17/2024 19:48*	WG2380845
(S) 2-Fluorobiphenyl	*61.2*			*32.0-120*		*10/15/2024 11:00*	WG2380845
(S) p-Terphenyl-d14	*78.8*			*23.0-122*		*10/17/2024 19:48*	WG2380845
(S) p-Terphenyl-d14	*66.9*			*23.0-122*		*10/15/2024 11:00*	WG2380845

Sample Narrative:

L1788583-03 WG2380845: Dilution due to matrix impact during extraction procedure

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	3.60	J	2.99	6.00	1	10/23/2024 09:13	WG2385436
Lead,Dissolved	11.4		2.99	6.00	1	10/23/2024 13:21	WG2385410

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	5260		28.7	100	1	10/16/2024 20:20	WG2383274
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*50.0-150*		*10/16/2024 20:20*	WG2383274

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	10/22/2024 23:05	WG2386744
1,2,3-Trichloropropane	U		2.00	5.00	1000	10/16/2024 13:39	WG2383147
Acrolein	U		254	5000	100	10/22/2024 23:05	WG2386744
1,2-Dibromoethane	8.00		4.10	5.00	1000	10/16/2024 13:39	WG2383147
Acrylonitrile	U		67.1	1000	100	10/22/2024 23:05	WG2386744
Benzene	158		9.41	100	100	10/22/2024 23:05	WG2386744
Bromobenzene	U		11.8	100	100	10/22/2024 23:05	WG2386744
Bromochloromethane	U		12.8	100	100	10/22/2024 23:05	WG2386744
Bromodichloromethane	U		13.6	100	100	10/22/2024 23:05	WG2386744
Bromoform	U		12.9	100	100	10/22/2024 23:05	WG2386744
Bromomethane	U	C3	60.5	500	100	10/22/2024 23:05	WG2386744
n-Butylbenzene	U	C3	15.7	100	100	10/22/2024 23:05	WG2386744
sec-Butylbenzene	U		12.5	100	100	10/22/2024 23:05	WG2386744
tert-Butylbenzene	U		12.7	100	100	10/22/2024 23:05	WG2386744
Carbon disulfide	U		9.62	100	100	10/22/2024 23:05	WG2386744
Carbon tetrachloride	U		12.8	100	100	10/22/2024 23:05	WG2386744
Chlorobenzene	U		11.6	100	100	10/22/2024 23:05	WG2386744
Chlorodibromomethane	U		14.0	100	100	10/22/2024 23:05	WG2386744
Chloroethane	U		19.2	500	100	10/22/2024 23:05	WG2386744
Chloroform	U		11.1	500	100	10/22/2024 23:05	WG2386744
Chloromethane	U		96.0	250	100	10/22/2024 23:05	WG2386744
2-Chlorotoluene	U		10.6	100	100	10/22/2024 23:05	WG2386744
4-Chlorotoluene	U		11.4	100	100	10/22/2024 23:05	WG2386744
1,2-Dibromo-3-Chloropropane	U		27.6	500	100	10/22/2024 23:05	WG2386744
1,2-Dibromoethane	U		12.6	100	100	10/22/2024 23:05	WG2386744
Dibromomethane	U		12.2	100	100	10/22/2024 23:05	WG2386744
1,2-Dichlorobenzene	U		10.7	100	100	10/22/2024 23:05	WG2386744
1,3-Dichlorobenzene	U		11.0	100	100	10/22/2024 23:05	WG2386744
1,4-Dichlorobenzene	U		12.0	100	100	10/22/2024 23:05	WG2386744
Dichlorodifluoromethane	U		37.4	500	100	10/22/2024 23:05	WG2386744
1,1-Dichloroethane	U		10.0	100	100	10/22/2024 23:05	WG2386744
1,2-Dichloroethane	U		8.19	100	100	10/22/2024 23:05	WG2386744
1,1-Dichloroethene	U		18.8	100	100	10/22/2024 23:05	WG2386744
cis-1,2-Dichloroethene	U		12.6	100	100	10/22/2024 23:05	WG2386744
trans-1,2-Dichloroethene	U		14.9	100	100	10/22/2024 23:05	WG2386744
1,2-Dichloropropane	U		14.9	100	100	10/22/2024 23:05	WG2386744
1,1-Dichloropropene	U		14.2	100	100	10/22/2024 23:05	WG2386744
1,3-Dichloropropane	U		11.0	100	100	10/22/2024 23:05	WG2386744
cis-1,3-Dichloropropene	U		11.1	100	100	10/22/2024 23:05	WG2386744
trans-1,3-Dichloropropene	U		11.8	100	100	10/22/2024 23:05	WG2386744
2,2-Dichloropropane	U	C3	16.1	100	100	10/22/2024 23:05	WG2386744
Di-isopropyl ether	U		10.5	100	100	10/22/2024 23:05	WG2386744

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	25.6	J	13.7	100	100	10/22/2024 23:05	WG2386744
Hexachloro-1,3-butadiene	U		33.7	100	100	10/22/2024 23:05	WG2386744
Isopropylbenzene	U		10.5	100	100	10/22/2024 23:05	WG2386744
p-Isopropyltoluene	U		12.0	100	100	10/22/2024 23:05	WG2386744
2-Butanone (MEK)	U		119	1000	100	10/22/2024 23:05	WG2386744
Methylene Chloride	U		43.0	500	100	10/22/2024 23:05	WG2386744
4-Methyl-2-pentanone (MIBK)	U		47.8	1000	100	10/22/2024 23:05	WG2386744
Methyl tert-butyl ether	U		10.1	100	100	10/22/2024 23:05	WG2386744
Naphthalene	U	C3	100	500	100	10/22/2024 23:05	WG2386744
n-Propylbenzene	U		9.93	100	100	10/22/2024 23:05	WG2386744
Styrene	U	C3	11.8	100	100	10/22/2024 23:05	WG2386744
1,1,1,2-Tetrachloroethane	U		14.7	100	100	10/22/2024 23:05	WG2386744
1,1,2,2-Tetrachloroethane	U		13.3	100	100	10/22/2024 23:05	WG2386744
1,1,2-Trichlorotrifluoroethane	U		18.0	100	100	10/22/2024 23:05	WG2386744
Tetrachloroethene	U		30.0	100	100	10/22/2024 23:05	WG2386744
Toluene	273		27.8	100	100	10/22/2024 23:05	WG2386744
1,2,3-Trichlorobenzene	U		23.0	100	100	10/22/2024 23:05	WG2386744
1,2,4-Trichlorobenzene	U	C3	48.1	100	100	10/22/2024 23:05	WG2386744
1,1,1-Trichloroethane	U		14.9	100	100	10/22/2024 23:05	WG2386744
1,1,2-Trichloroethane	U		15.8	100	100	10/22/2024 23:05	WG2386744
Trichloroethene	U		19.0	100	100	10/22/2024 23:05	WG2386744
Trichlorofluoromethane	U		16.0	500	100	10/22/2024 23:05	WG2386744
1,2,3-Trichloropropane	U		23.7	250	100	10/22/2024 23:05	WG2386744
1,2,4-Trimethylbenzene	571		32.2	100	100	10/22/2024 23:05	WG2386744
1,2,3-Trimethylbenzene	190		10.4	100	100	10/22/2024 23:05	WG2386744
1,3,5-Trimethylbenzene	200		10.4	100	100	10/22/2024 23:05	WG2386744
Vinyl chloride	U		23.4	100	100	10/22/2024 23:05	WG2386744
Xylenes, Total	2270		17.4	300	100	10/22/2024 23:05	WG2386744
o-Xylene	806		17.4	100	100	10/22/2024 23:05	WG2386744
m&p-Xylene	1460		43.0	200	100	10/22/2024 23:05	WG2386744
(S) Toluene-d8	*106*			*80.0-120*		*10/22/2024 23:05*	WG2386744
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*		*10/22/2024 23:05*	WG2386744
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*10/22/2024 23:05*	WG2386744

Sample Narrative:

L1788583-04 WG2383147: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	3700	B	189	888	1.11	10/22/2024 16:29	WG2385176
(S) o-Terphenyl	*66.8*			*50.0-150*		*10/22/2024 16:29*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0224	0.0590	1.18	10/17/2024 04:54	WG2382961
Acenaphthene	0.213		0.0224	0.0590	1.18	10/17/2024 04:54	WG2382961
Acenaphthylene	U		0.0201	0.0590	1.18	10/17/2024 04:54	WG2382961
Benzo(a)anthracene	0.115	B	0.0236	0.0590	1.18	10/17/2024 04:54	WG2382961
Benzo(a)pyrene	U		0.0212	0.0590	1.18	10/17/2024 04:54	WG2382961
Benzo(b)fluoranthene	0.0767		0.0201	0.0590	1.18	10/17/2024 04:54	WG2382961
Benzo(g,h,i)perylene	0.0882		0.0212	0.0590	1.18	10/17/2024 04:54	WG2382961
Benzo(k)fluoranthene	U		0.0236	0.295	1.18	10/17/2024 04:54	WG2382961
Chrysene	0.132	B	0.0212	0.0590	1.18	10/17/2024 04:54	WG2382961

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	
Dibenz(a,h)anthracene	U		0.0212	0.0590	1.18	10/17/2024 04:54	WG2382961
Fluoranthene	0.348		0.0130	0.0590	1.18	10/17/2024 04:54	WG2382961
Fluorene	U		0.0201	0.0590	1.18	10/17/2024 04:54	WG2382961
Indeno(1,2,3-cd)pyrene	U		0.0212	0.0590	1.18	10/17/2024 04:54	WG2382961
Naphthalene	13.1		0.151	0.590	1.18	10/17/2024 04:54	WG2382961
Phenanthrene	U		0.0212	0.0590	1.18	10/17/2024 04:54	WG2382961
Pyrene	0.510		0.0201	0.0590	1.18	10/17/2024 04:54	WG2382961
1-Methylnaphthalene	7.34		0.0236	0.590	1.18	10/17/2024 04:54	WG2382961
2-Methylnaphthalene	2.22		0.0330	0.590	1.18	10/17/2024 04:54	WG2382961
2-Chloronaphthalene	U		0.0142	0.590	1.18	10/17/2024 04:54	WG2382961
(S) Nitrobenzene-d5	*126*			*11.0-135*		*10/17/2024 04:54*	WG2382961
(S) 2-Fluorobiphenyl	*91.9*			*32.0-120*		*10/17/2024 04:54*	WG2382961
(S) p-Terphenyl-d14	*80.9*			*23.0-122*		*10/17/2024 04:54*	WG2382961

Sample Narrative:

L1788583-04 WG2382961: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:15	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:23	WG2385410

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	4130		143	500	5	10/22/2024 13:24	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*80.4*			*50.0-150*		*10/22/2024 13:24*	WG2386637

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	10/23/2024 14:53	WG2387112
1,2,3-Trichloropropane	U		2.00	5.00	1000	10/16/2024 16:09	WG2383145
Acrolein	U	C3 J3	25.4	500	10	10/23/2024 14:53	WG2387112
1,2-Dibromoethane	U		4.10	5.00	1000	10/16/2024 16:09	WG2383145
Acrylonitrile	U		6.71	100	10	10/23/2024 14:53	WG2387112
Benzene	949		0.941	10.0	10	10/23/2024 14:53	WG2387112
Bromobenzene	U	J4	1.18	10.0	10	10/23/2024 14:53	WG2387112
Bromochloromethane	U		1.28	10.0	10	10/23/2024 14:53	WG2387112
Bromodichloromethane	U		1.36	10.0	10	10/23/2024 14:53	WG2387112
Bromoform	U		1.29	10.0	10	10/23/2024 14:53	WG2387112
Bromomethane	U	C3	6.05	50.0	10	10/23/2024 14:53	WG2387112
n-Butylbenzene	U		1.57	10.0	10	10/23/2024 14:53	WG2387112
sec-Butylbenzene	2.67	J	1.25	10.0	10	10/23/2024 14:53	WG2387112
tert-Butylbenzene	U		1.27	10.0	10	10/23/2024 14:53	WG2387112
Carbon disulfide	U		0.962	10.0	10	10/23/2024 14:53	WG2387112
Carbon tetrachloride	U		1.28	10.0	10	10/23/2024 14:53	WG2387112
Chlorobenzene	U		1.16	10.0	10	10/23/2024 14:53	WG2387112
Chlorodibromomethane	U		1.40	10.0	10	10/23/2024 14:53	WG2387112
Chloroethane	U	C3	1.92	50.0	10	10/23/2024 14:53	WG2387112
Chloroform	U		1.11	50.0	10	10/23/2024 14:53	WG2387112
Chloromethane	U		9.60	25.0	10	10/23/2024 14:53	WG2387112
2-Chlorotoluene	U		1.06	10.0	10	10/23/2024 14:53	WG2387112
4-Chlorotoluene	U		1.14	10.0	10	10/23/2024 14:53	WG2387112
1,2-Dibromo-3-Chloropropane	U		2.76	50.0	10	10/23/2024 14:53	WG2387112
1,2-Dibromoethane	U		1.26	10.0	10	10/23/2024 14:53	WG2387112
Dibromomethane	U		1.22	10.0	10	10/23/2024 14:53	WG2387112
1,2-Dichlorobenzene	U		1.07	10.0	10	10/23/2024 14:53	WG2387112
1,3-Dichlorobenzene	U		1.10	10.0	10	10/23/2024 14:53	WG2387112
1,4-Dichlorobenzene	U		1.20	10.0	10	10/23/2024 14:53	WG2387112
Dichlorodifluoromethane	U		3.74	50.0	10	10/23/2024 14:53	WG2387112
1,1-Dichloroethane	U		1.00	10.0	10	10/23/2024 14:53	WG2387112
1,2-Dichloroethane	5.28	C3 J	0.819	10.0	10	10/23/2024 14:53	WG2387112
1,1-Dichloroethene	U		1.88	10.0	10	10/23/2024 14:53	WG2387112
cis-1,2-Dichloroethene	U	Q	1.26	10.0	10	10/29/2024 23:48	WG2391115
trans-1,2-Dichloroethene	U		1.49	10.0	10	10/23/2024 14:53	WG2387112
1,2-Dichloropropane	U		1.49	10.0	10	10/23/2024 14:53	WG2387112
1,1-Dichloropropene	U		1.42	10.0	10	10/23/2024 14:53	WG2387112
1,3-Dichloropropane	U		1.10	10.0	10	10/23/2024 14:53	WG2387112
cis-1,3-Dichloropropene	U		1.11	10.0	10	10/23/2024 14:53	WG2387112
trans-1,3-Dichloropropene	U		1.18	10.0	10	10/23/2024 14:53	WG2387112
2,2-Dichloropropane	U		1.61	10.0	10	10/23/2024 14:53	WG2387112
Di-isopropyl ether	U		1.05	10.0	10	10/23/2024 14:53	WG2387112

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	149		1.37	10.0	10	10/23/2024 14:53	WG2387112
Hexachloro-1,3-butadiene	U		3.37	10.0	10	10/23/2024 14:53	WG2387112
Isopropylbenzene	28.4		1.05	10.0	10	10/23/2024 14:53	WG2387112
p-Isopropyltoluene	7.29	J	1.20	10.0	10	10/23/2024 14:53	WG2387112
2-Butanone (MEK)	U		11.9	100	10	10/23/2024 14:53	WG2387112
Methylene Chloride	U		4.30	50.0	10	10/23/2024 14:53	WG2387112
4-Methyl-2-pentanone (MIBK)	U		4.78	100	10	10/23/2024 14:53	WG2387112
Methyl tert-butyl ether	U		1.01	10.0	10	10/23/2024 14:53	WG2387112
Naphthalene	U		10.0	50.0	10	10/23/2024 14:53	WG2387112
n-Propylbenzene	31.5		0.993	10.0	10	10/23/2024 14:53	WG2387112
Styrene	U		1.18	10.0	10	10/23/2024 14:53	WG2387112
1,1,1,2-Tetrachloroethane	U		1.47	10.0	10	10/23/2024 14:53	WG2387112
1,1,2,2-Tetrachloroethane	U		1.33	10.0	10	10/23/2024 14:53	WG2387112
1,1,2-Trichlorotrifluoroethane	U		1.80	10.0	10	10/23/2024 14:53	WG2387112
Tetrachloroethene	U	Q	3.00	10.0	10	10/29/2024 23:48	WG2391115
Toluene	U		2.78	10.0	10	10/23/2024 14:53	WG2387112
1,2,3-Trichlorobenzene	U		2.30	10.0	10	10/23/2024 14:53	WG2387112
1,2,4-Trichlorobenzene	U		4.81	10.0	10	10/23/2024 14:53	WG2387112
1,1,1-Trichloroethane	U		1.49	10.0	10	10/23/2024 14:53	WG2387112
1,1,2-Trichloroethane	U		1.58	10.0	10	10/23/2024 14:53	WG2387112
Trichloroethene	U	Q	1.90	10.0	10	10/29/2024 23:48	WG2391115
Trichlorofluoromethane	U	C3	1.60	50.0	10	10/23/2024 14:53	WG2387112
1,2,3-Trichloropropane	U		2.37	25.0	10	10/23/2024 14:53	WG2387112
1,2,4-Trimethylbenzene	3.75	J	3.22	10.0	10	10/23/2024 14:53	WG2387112
1,2,3-Trimethylbenzene	U		1.04	10.0	10	10/23/2024 14:53	WG2387112
1,3,5-Trimethylbenzene	2.15	J	1.04	10.0	10	10/23/2024 14:53	WG2387112
Vinyl chloride	U	C3	2.34	10.0	10	10/23/2024 14:53	WG2387112
Xylenes, Total	98.9		1.74	30.0	10	10/23/2024 14:53	WG2387112
o-Xylene	U		1.74	10.0	10	10/23/2024 14:53	WG2387112
m&p-Xylene	98.9		4.30	20.0	10	10/23/2024 14:53	WG2387112
(S) Toluene-d8	*106*			*80.0-120*		*10/23/2024 14:53*	WG2387112
(S) Toluene-d8	*115*			*80.0-120*		*10/29/2024 23:48*	WG2391115
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/23/2024 14:53*	WG2387112
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*10/29/2024 23:48*	WG2391115
(S) 1,2-Dichloroethane-d4	*70.8*			*70.0-130*		*10/23/2024 14:53*	WG2387112
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*10/29/2024 23:48*	WG2391115

Sample Narrative:

L1788583-05 WG2383145: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	14700		170	800	1	10/22/2024 16:49	WG2385176
(S) o-Terphenyl	*53.9*			*50.0-150*		*10/22/2024 16:49*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0209	0.0550	1.1	10/15/2024 11:17	WG2380845
Acenaphthene	U		0.0209	0.0550	1.1	10/15/2024 11:17	WG2380845
Acenaphthylene	7.55		0.0187	0.0550	1.1	10/15/2024 11:17	WG2380845
Benzo(a)anthracene	U		0.0220	0.0550	1.1	10/15/2024 11:17	WG2380845
Benzo(a)pyrene	U		0.0198	0.0550	1.1	10/15/2024 11:17	WG2380845
Benzo(b)fluoranthene	U		0.0187	0.0550	1.1	10/15/2024 11:17	WG2380845

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	
Benzo(g,h,i)perylene	U		0.0198	0.0550	1.1	10/15/2024 11:17	WG2380845
Benzo(k)fluoranthene	U		0.0220	0.275	1.1	10/15/2024 11:17	WG2380845
Chrysene	U		0.0198	0.0550	1.1	10/15/2024 11:17	WG2380845
Dibenz(a,h)anthracene	U		0.0198	0.0550	1.1	10/15/2024 11:17	WG2380845
Fluoranthene	U		0.0121	0.0550	1.1	10/15/2024 11:17	WG2380845
Fluorene	U		0.0187	0.0550	1.1	10/15/2024 11:17	WG2380845
Indeno(1,2,3-cd)pyrene	U		0.0198	0.0550	1.1	10/15/2024 11:17	WG2380845
Naphthalene	6.26		1.41	5.50	11	10/17/2024 20:06	WG2380845
Phenanthrene	U		0.0198	0.0550	1.1	10/15/2024 11:17	WG2380845
Pyrene	U		0.0187	0.0550	1.1	10/15/2024 11:17	WG2380845
1-Methylnaphthalene	U		0.220	5.50	11	10/17/2024 20:06	WG2380845
2-Methylnaphthalene	U		0.308	5.50	11	10/17/2024 20:06	WG2380845
2-Chloronaphthalene	U		0.0132	0.550	1.1	10/15/2024 11:17	WG2380845
(S) Nitrobenzene-d5	*64.5*			*11.0-135*		*10/17/2024 20:06*	WG2380845
(S) Nitrobenzene-d5	*0.000*	J2		*11.0-135*		*10/15/2024 11:17*	WG2380845
(S) 2-Fluorobiphenyl	*104*			*32.0-120*		*10/17/2024 20:06*	WG2380845
(S) 2-Fluorobiphenyl	*94.5*			*32.0-120*		*10/15/2024 11:17*	WG2380845
(S) p-Terphenyl-d14	*90.0*			*23.0-122*		*10/15/2024 11:17*	WG2380845
(S) p-Terphenyl-d14	*96.8*			*23.0-122*		*10/17/2024 20:06*	WG2380845

Sample Narrative:

L1788583-05 WG2380845: Dilution and surrogate failure due to matrix interference.

L1788583-05 WG2380845: IS/SURR failed on lower dilution.

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	5.89	J	2.99	6.00	1	10/23/2024 09:20	WG2385436
Lead,Dissolved	18.5		2.99	6.00	1	10/23/2024 13:28	WG2385410

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	2190		28.7	100	1	10/22/2024 08:10	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*94.9*			*50.0-150*		*10/22/2024 08:10*	WG2386637

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	10/22/2024 07:52	WG2386718
1,2,3-Trichloropropane	U		0.200	0.500	100	10/16/2024 15:05	WG2383145
Acrolein	U		2.54	50.0	1	10/22/2024 07:52	WG2386718
1,2-Dibromoethane	U		0.410	0.500	100	10/16/2024 15:05	WG2383145
Acrylonitrile	U		0.671	10.0	1	10/22/2024 07:52	WG2386718
Benzene	766	T8	1.88	20.0	20	10/27/2024 12:06	WG2390339
Bromobenzene	U		0.118	1.00	1	10/22/2024 07:52	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 07:52	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 07:52	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 07:52	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 07:52	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 07:52	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 07:52	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 07:52	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 07:52	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 07:52	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 07:52	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 07:52	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 07:52	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 07:52	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 07:52	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 07:52	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 07:52	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 07:52	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 07:52	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 07:52	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 07:52	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 07:52	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 07:52	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 07:52	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 07:52	WG2386718
1,2-Dichloroethane	18.3		0.0819	1.00	1	10/22/2024 07:52	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 07:52	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 07:52	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 07:52	WG2386718
1,2-Dichloropropane	0.936	J	0.149	1.00	1	10/22/2024 07:52	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 07:52	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 07:52	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 07:52	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 07:52	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 07:52	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 07:52	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	6.40		0.137	1.00	1	10/22/2024 07:52	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 07:52	WG2386718
Isopropylbenzene	0.367	J	0.105	1.00	1	10/22/2024 07:52	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 07:52	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 07:52	WG2386718
Methylene Chloride	1.80	J	0.430	5.00	1	10/22/2024 07:52	WG2386718
4-Methyl-2-pentanone (MIBK)	5.50	J	0.478	10.0	1	10/22/2024 07:52	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 07:52	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 07:52	WG2386718
n-Propylbenzene	0.331	J	0.0993	1.00	1	10/22/2024 07:52	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 07:52	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 07:52	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 07:52	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 07:52	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 07:52	WG2386718
Toluene	6.28		0.278	1.00	1	10/22/2024 07:52	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 07:52	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 07:52	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 07:52	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 07:52	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 07:52	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 07:52	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 07:52	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 07:52	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 07:52	WG2386718
1,3,5-Trimethylbenzene	1.06		0.104	1.00	1	10/22/2024 07:52	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 07:52	WG2386718
Xylenes, Total	7.03		0.174	3.00	1	10/22/2024 07:52	WG2386718
o-Xylene	0.766	J	0.174	1.00	1	10/22/2024 07:52	WG2386718
m&p-Xylene	6.26		0.430	2.00	1	10/22/2024 07:52	WG2386718
(S) Toluene-d8	*101*			*80.0-120*		*10/22/2024 07:52*	WG2386718
(S) Toluene-d8	*103*			*80.0-120*		*10/27/2024 12:06*	WG2390339
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*10/22/2024 07:52*	WG2386718
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/27/2024 12:06*	WG2390339
(S) 1,2-Dichloroethane-d4	*133*	J1		*70.0-130*		*10/22/2024 07:52*	WG2386718
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/27/2024 12:06*	WG2390339

Sample Narrative:

L1788583-06 WG2383145: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	7300		179	840	1.05	10/22/2024 17:09	WG2385176
(S) o-Terphenyl	*65.6*			*50.0-150*		*10/22/2024 17:09*	WG2385176

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	
Anthracene	U		0.0232	0.0610	1.22	10/15/2024 11:35	WG2380845
Acenaphthene	U		0.0232	0.0610	1.22	10/15/2024 11:35	WG2380845
Acenaphthylene	0.781		0.0207	0.0610	1.22	10/15/2024 11:35	WG2380845
Benzo(a)anthracene	U		0.0244	0.0610	1.22	10/15/2024 11:35	WG2380845
Benzo(a)pyrene	U		0.0220	0.0610	1.22	10/15/2024 11:35	WG2380845
Benzo(b)fluoranthene	U		0.0207	0.0610	1.22	10/15/2024 11:35	WG2380845

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	
Benzo(g,h,i)perylene	U		0.0220	0.0610	1.22	10/15/2024 11:35	WG2380845
Benzo(k)fluoranthene	U		0.0244	0.305	1.22	10/15/2024 11:35	WG2380845
Chrysene	U		0.0220	0.0610	1.22	10/15/2024 11:35	WG2380845
Dibenz(a,h)anthracene	U		0.0220	0.0610	1.22	10/15/2024 11:35	WG2380845
Fluoranthene	0.0176	J	0.0134	0.0610	1.22	10/15/2024 11:35	WG2380845
Fluorene	U		0.0207	0.0610	1.22	10/15/2024 11:35	WG2380845
Indeno(1,2,3-cd)pyrene	U		0.0220	0.0610	1.22	10/15/2024 11:35	WG2380845
Naphthalene	U		0.156	0.610	1.22	10/15/2024 11:35	WG2380845
Phenanthrene	U		0.0220	0.0610	1.22	10/15/2024 11:35	WG2380845
Pyrene	U		0.0207	0.0610	1.22	10/15/2024 11:35	WG2380845
1-Methylnaphthalene	U		0.0244	0.610	1.22	10/15/2024 11:35	WG2380845
2-Methylnaphthalene	U		0.0342	0.610	1.22	10/15/2024 11:35	WG2380845
2-Chloronaphthalene	U		0.0146	0.610	1.22	10/15/2024 11:35	WG2380845
(S) Nitrobenzene-d5	*48.4*			*11.0-135*		*10/15/2024 11:35*	WG2380845
(S) 2-Fluorobiphenyl	*89.3*			*32.0-120*		*10/15/2024 11:35*	WG2380845
(S) p-Terphenyl-d14	*93.4*			*23.0-122*		*10/15/2024 11:35*	WG2380845

Sample Narrative:

L1788583-06 WG2380845: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:21	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:29	WG2385410

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	63.8	B J	28.7	100	1	10/22/2024 08:33	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*80.9*			*50.0-150*		*10/22/2024 08:33*	WG2386637

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	10/22/2024 08:12	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 18:06	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 08:12	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 18:06	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 08:12	WG2386718
Benzene	U	T8	0.0941	1.00	1	10/27/2024 11:23	WG2390339
Bromobenzene	U		0.118	1.00	1	10/22/2024 08:12	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 08:12	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 08:12	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 08:12	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 08:12	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 08:12	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 08:12	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 08:12	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 08:12	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 08:12	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 08:12	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 08:12	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 08:12	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 08:12	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 08:12	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 08:12	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 08:12	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 08:12	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 08:12	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 08:12	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 08:12	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 08:12	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 08:12	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 08:12	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 08:12	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 08:12	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 08:12	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 08:12	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 08:12	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 08:12	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 08:12	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 08:12	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 08:12	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 08:12	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 08:12	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 08:12	WG2386718

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.137	1.00	1	10/22/2024 08:12	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 08:12	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 08:12	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 08:12	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 08:12	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 08:12	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 08:12	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 08:12	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 08:12	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 08:12	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 08:12	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 08:12	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 08:12	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 08:12	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 08:12	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 08:12	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 08:12	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 08:12	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 08:12	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 08:12	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 08:12	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 08:12	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 08:12	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 08:12	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 08:12	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 08:12	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 08:12	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 08:12	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 08:12	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 08:12	WG2386718
(S) Toluene-d8	*104*			*80.0-120*		*10/22/2024 08:12*	WG2386718
(S) Toluene-d8	*103*			*80.0-120*		*10/27/2024 11:23*	WG2390339
(S) 4-Bromofluorobenzene	*96.6*			*77.0-126*		*10/22/2024 08:12*	WG2386718
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/27/2024 11:23*	WG2390339
(S) 1,2-Dichloroethane-d4	*133*	J1		*70.0-130*		*10/22/2024 08:12*	WG2386718
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/27/2024 11:23*	WG2390339

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	465	B J	170	800	1	10/22/2024 17:29	WG2385176
(S) o-Terphenyl	*54.1*			*50.0-150*		*10/22/2024 17:29*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0238	0.0625	1.25	10/15/2024 11:53	WG2380845
Acenaphthene	U		0.0238	0.0625	1.25	10/15/2024 11:53	WG2380845
Acenaphthylene	U		0.0213	0.0625	1.25	10/15/2024 11:53	WG2380845
Benzo(a)anthracene	U		0.0250	0.0625	1.25	10/15/2024 11:53	WG2380845
Benzo(a)pyrene	U		0.0225	0.0625	1.25	10/15/2024 11:53	WG2380845
Benzo(b)fluoranthene	U		0.0213	0.0625	1.25	10/15/2024 11:53	WG2380845
Benzo(g,h,i)perylene	U		0.0225	0.0625	1.25	10/15/2024 11:53	WG2380845
Benzo(k)fluoranthene	U		0.0250	0.313	1.25	10/15/2024 11:53	WG2380845
Chrysene	U		0.0225	0.0625	1.25	10/15/2024 11:53	WG2380845

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	
Dibenz(a,h)anthracene	U		0.0225	0.0625	1.25	10/15/2024 11:53	WG2380845
Fluoranthene	0.0137	J	0.0137	0.0625	1.25	10/15/2024 11:53	WG2380845
Fluorene	U		0.0213	0.0625	1.25	10/15/2024 11:53	WG2380845
Indeno(1,2,3-cd)pyrene	U		0.0225	0.0625	1.25	10/15/2024 11:53	WG2380845
Naphthalene	U		0.160	0.625	1.25	10/15/2024 11:53	WG2380845
Phenanthrene	U		0.0225	0.0625	1.25	10/15/2024 11:53	WG2380845
Pyrene	U		0.0213	0.0625	1.25	10/15/2024 11:53	WG2380845
1-Methylnaphthalene	U		0.0250	0.625	1.25	10/15/2024 11:53	WG2380845
2-Methylnaphthalene	U		0.0350	0.625	1.25	10/15/2024 11:53	WG2380845
2-Chloronaphthalene	U		0.0150	0.625	1.25	10/15/2024 11:53	WG2380845
(S) Nitrobenzene-d5	*94.8*			*11.0-135*		*10/15/2024 11:53*	WG2380845
(S) 2-Fluorobiphenyl	*94.0*			*32.0-120*		*10/15/2024 11:53*	WG2380845
(S) p-Terphenyl-d14	*98.0*			*23.0-122*		*10/15/2024 11:53*	WG2380845

Sample Narrative:

L1788583-07 WG2380845: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:23	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:31	WG2385410

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	57.9	B J	28.7	100	1	10/22/2024 10:03	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*78.0*			*50.0-150*		*10/22/2024 10:03*	WG2386637

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	10/22/2024 08:33	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 18:27	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 08:33	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 18:27	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 08:33	WG2386718
Benzene	U	T8	0.0941	1.00	1	10/27/2024 11:45	WG2390339
Bromobenzene	U		0.118	1.00	1	10/22/2024 08:33	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 08:33	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 08:33	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 08:33	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 08:33	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 08:33	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 08:33	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 08:33	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 08:33	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 08:33	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 08:33	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 08:33	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 08:33	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 08:33	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 08:33	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 08:33	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 08:33	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 08:33	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 08:33	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 08:33	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 08:33	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 08:33	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 08:33	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 08:33	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 08:33	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 08:33	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 08:33	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 08:33	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 08:33	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 08:33	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 08:33	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 08:33	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 08:33	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 08:33	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 08:33	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 08:33	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.137	1.00	1	10/22/2024 08:33	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 08:33	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 08:33	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 08:33	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 08:33	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 08:33	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 08:33	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 08:33	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 08:33	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 08:33	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 08:33	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 08:33	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 08:33	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 08:33	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 08:33	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 08:33	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 08:33	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 08:33	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 08:33	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 08:33	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 08:33	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 08:33	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 08:33	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 08:33	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 08:33	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 08:33	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 08:33	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 08:33	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 08:33	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 08:33	WG2386718
(S) Toluene-d8	*104*			*80.0-120*		*10/22/2024 08:33*	WG2386718
(S) Toluene-d8	*105*			*80.0-120*		*10/27/2024 11:45*	WG2390339
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*10/22/2024 08:33*	WG2386718
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/27/2024 11:45*	WG2390339
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*10/22/2024 08:33*	WG2386718
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*10/27/2024 11:45*	WG2390339

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	518	B J	189	888	1.11	10/22/2024 17:50	WG2385176
(S) o-Terphenyl	*52.5*			*50.0-150*		*10/22/2024 17:50*	WG2385176

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	
Anthracene	U		0.0257	0.0675	1.35	10/15/2024 12:11	WG2380845
Acenaphthene	U		0.0257	0.0675	1.35	10/15/2024 12:11	WG2380845
Acenaphthylene	U		0.0230	0.0675	1.35	10/15/2024 12:11	WG2380845
Benzo(a)anthracene	U		0.0270	0.0675	1.35	10/15/2024 12:11	WG2380845
Benzo(a)pyrene	U		0.0243	0.0675	1.35	10/15/2024 12:11	WG2380845
Benzo(b)fluoranthene	U		0.0230	0.0675	1.35	10/15/2024 12:11	WG2380845
Benzo(g,h,i)perylene	U		0.0243	0.0675	1.35	10/15/2024 12:11	WG2380845
Benzo(k)fluoranthene	U		0.0270	0.338	1.35	10/15/2024 12:11	WG2380845
Chrysene	U		0.0243	0.0675	1.35	10/15/2024 12:11	WG2380845

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	
Dibenz(a,h)anthracene	U		0.0243	0.0675	1.35	10/15/2024 12:11	WG2380845
Fluoranthene	0.0246	J	0.0148	0.0675	1.35	10/15/2024 12:11	WG2380845
Fluorene	U		0.0230	0.0675	1.35	10/15/2024 12:11	WG2380845
Indeno(1,2,3-cd)pyrene	U		0.0243	0.0675	1.35	10/15/2024 12:11	WG2380845
Naphthalene	U		0.173	0.675	1.35	10/15/2024 12:11	WG2380845
Phenanthrene	U		0.0243	0.0675	1.35	10/15/2024 12:11	WG2380845
Pyrene	U		0.0230	0.0675	1.35	10/15/2024 12:11	WG2380845
1-Methylnaphthalene	U		0.0270	0.675	1.35	10/15/2024 12:11	WG2380845
2-Methylnaphthalene	U		0.0378	0.675	1.35	10/15/2024 12:11	WG2380845
2-Chloronaphthalene	U		0.0162	0.675	1.35	10/15/2024 12:11	WG2380845
(S) Nitrobenzene-d5	*93.3*			*11.0-135*		*10/15/2024 12:11*	WG2380845
(S) 2-Fluorobiphenyl	*91.5*			*32.0-120*		*10/15/2024 12:11*	WG2380845
(S) p-Terphenyl-d14	*89.3*			*23.0-122*		*10/15/2024 12:11*	WG2380845

Sample Narrative:

L1788583-08 WG2380845: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:25	WG2385436
Lead,Dissolved	3.15	J	2.99	6.00	1	10/23/2024 13:33	WG2385410

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	54.4	B J	28.7	100	1	10/22/2024 10:25	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*78.8*			*50.0-150*		*10/22/2024 10:25*	WG2386637

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	10/22/2024 08:53	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 18:49	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 08:53	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 18:49	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 08:53	WG2386718
Benzene	U		0.0941	1.00	1	10/22/2024 08:53	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 08:53	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 08:53	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 08:53	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 08:53	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 08:53	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 08:53	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 08:53	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 08:53	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 08:53	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 08:53	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 08:53	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 08:53	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 08:53	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 08:53	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 08:53	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 08:53	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 08:53	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 08:53	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 08:53	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 08:53	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 08:53	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 08:53	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 08:53	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 08:53	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 08:53	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 08:53	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 08:53	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 08:53	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 08:53	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 08:53	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 08:53	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 08:53	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 08:53	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 08:53	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 08:53	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 08:53	WG2386718

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	U		0.137	1.00	1	10/22/2024 08:53	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 08:53	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 08:53	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 08:53	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 08:53	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 08:53	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 08:53	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 08:53	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 08:53	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 08:53	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 08:53	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 08:53	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 08:53	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 08:53	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 08:53	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 08:53	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 08:53	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 08:53	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 08:53	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 08:53	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 08:53	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 08:53	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 08:53	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 08:53	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 08:53	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 08:53	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 08:53	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 08:53	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 08:53	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 08:53	WG2386718
(S) Toluene-d8	*106*			*80.0-120*		*10/22/2024 08:53*	WG2386718
(S) 4-Bromofluorobenzene	*96.5*			*77.0-126*		*10/22/2024 08:53*	WG2386718
(S) 1,2-Dichloroethane-d4	*134*	J1		*70.0-130*		*10/22/2024 08:53*	WG2386718

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	477	B J	170	800	1	10/22/2024 18:10	WG2385176
(S) o-Terphenyl	*52.3*			*50.0-150*		*10/22/2024 18:10*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/15/2024 12:29	WG2380845
Acenaphthene	U		0.0190	0.0500	1	10/15/2024 12:29	WG2380845
Acenaphthylene	U		0.0170	0.0500	1	10/15/2024 12:29	WG2380845
Benzo(a)anthracene	U		0.0200	0.0500	1	10/15/2024 12:29	WG2380845
Benzo(a)pyrene	U		0.0180	0.0500	1	10/15/2024 12:29	WG2380845
Benzo(b)fluoranthene	U		0.0170	0.0500	1	10/15/2024 12:29	WG2380845
Benzo(g,h,i)perylene	U		0.0180	0.0500	1	10/15/2024 12:29	WG2380845
Benzo(k)fluoranthene	U		0.0200	0.250	1	10/15/2024 12:29	WG2380845
Chrysene	U		0.0180	0.0500	1	10/15/2024 12:29	WG2380845
Dibenz(a,h)anthracene	U		0.0180	0.0500	1	10/15/2024 12:29	WG2380845
Fluoranthene	0.0229	J	0.0110	0.0500	1	10/15/2024 12:29	WG2380845
Fluorene	U		0.0170	0.0500	1	10/15/2024 12:29	WG2380845

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	
Indeno(1,2,3-cd)pyrene	U		0.0180	0.0500	1	10/15/2024 12:29	WG2380845
Naphthalene	U		0.128	0.500	1	10/15/2024 12:29	WG2380845
Phenanthrene	0.0216	J	0.0180	0.0500	1	10/15/2024 12:29	WG2380845
Pyrene	0.0212	J	0.0170	0.0500	1	10/15/2024 12:29	WG2380845
1-Methylnaphthalene	U		0.0200	0.500	1	10/15/2024 12:29	WG2380845
2-Methylnaphthalene	U		0.0280	0.500	1	10/15/2024 12:29	WG2380845
2-Chloronaphthalene	U		0.0120	0.500	1	10/15/2024 12:29	WG2380845
(S) Nitrobenzene-d5	*93.0*			*11.0-135*		*10/15/2024 12:29*	WG2380845
(S) 2-Fluorobiphenyl	*90.5*			*32.0-120*		*10/15/2024 12:29*	WG2380845
(S) p-Terphenyl-d14	*80.0*			*23.0-122*		*10/15/2024 12:29*	WG2380845

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	10/23/2024 09:26	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:35	WG2385410

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	56.5	B J	28.7	100	1	10/22/2024 10:47	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*80.3*			*50.0-150*		*10/22/2024 10:47*	WG2386637

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	10/22/2024 09:13	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 19:10	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 09:13	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 19:10	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 09:13	WG2386718
Benzene	U		0.0941	1.00	1	10/22/2024 09:13	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 09:13	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 09:13	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 09:13	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 09:13	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 09:13	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 09:13	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 09:13	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 09:13	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 09:13	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 09:13	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 09:13	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 09:13	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 09:13	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 09:13	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 09:13	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 09:13	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 09:13	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 09:13	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 09:13	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 09:13	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 09:13	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 09:13	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 09:13	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 09:13	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 09:13	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 09:13	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 09:13	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 09:13	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 09:13	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 09:13	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 09:13	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 09:13	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 09:13	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 09:13	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 09:13	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 09:13	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.137	1.00	1	10/22/2024 09:13	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 09:13	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 09:13	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 09:13	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 09:13	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 09:13	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 09:13	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 09:13	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 09:13	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 09:13	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 09:13	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 09:13	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 09:13	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 09:13	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 09:13	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 09:13	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 09:13	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 09:13	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 09:13	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 09:13	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 09:13	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 09:13	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 09:13	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 09:13	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 09:13	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 09:13	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 09:13	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 09:13	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 09:13	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 09:13	WG2386718
(S) Toluene-d8	*103*			*80.0-120*		*10/22/2024 09:13*	WG2386718
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*10/22/2024 09:13*	WG2386718
(S) 1,2-Dichloroethane-d4	*135*	J1		*70.0-130*		*10/22/2024 09:13*	WG2386718

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	446	B J	170	800	1	10/22/2024 18:30	WG2385176
(S) o-Terphenyl	*68.2*			*50.0-150*		*10/22/2024 18:30*	WG2385176

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	
Anthracene	U		0.0199	0.0525	1.05	10/15/2024 12:46	WG2380845
Acenaphthene	U		0.0199	0.0525	1.05	10/15/2024 12:46	WG2380845
Acenaphthylene	U		0.0179	0.0525	1.05	10/15/2024 12:46	WG2380845
Benzo(a)anthracene	U		0.0210	0.0525	1.05	10/15/2024 12:46	WG2380845
Benzo(a)pyrene	U		0.0189	0.0525	1.05	10/15/2024 12:46	WG2380845
Benzo(b)fluoranthene	U		0.0179	0.0525	1.05	10/15/2024 12:46	WG2380845
Benzo(g,h,i)perylene	U		0.0189	0.0525	1.05	10/15/2024 12:46	WG2380845
Benzo(k)fluoranthene	U		0.0210	0.263	1.05	10/15/2024 12:46	WG2380845
Chrysene	U		0.0189	0.0525	1.05	10/15/2024 12:46	WG2380845
Dibenz(a,h)anthracene	U		0.0189	0.0525	1.05	10/15/2024 12:46	WG2380845
Fluoranthene	0.0124	J	0.0115	0.0525	1.05	10/15/2024 12:46	WG2380845
Fluorene	U		0.0179	0.0525	1.05	10/15/2024 12:46	WG2380845

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	
Indeno(1,2,3-cd)pyrene	U		0.0189	0.0525	1.05	10/15/2024 12:46	WG2380845
Naphthalene	U		0.134	0.525	1.05	10/15/2024 12:46	WG2380845
Phenanthrene	U		0.0189	0.0525	1.05	10/15/2024 12:46	WG2380845
Pyrene	U		0.0179	0.0525	1.05	10/15/2024 12:46	WG2380845
1-Methylnaphthalene	U		0.0210	0.525	1.05	10/15/2024 12:46	WG2380845
2-Methylnaphthalene	U		0.0294	0.525	1.05	10/15/2024 12:46	WG2380845
2-Chloronaphthalene	U		0.0126	0.525	1.05	10/15/2024 12:46	WG2380845
(S) Nitrobenzene-d5	*93.3*			*11.0-135*		*10/15/2024 12:46*	WG2380845
(S) 2-Fluorobiphenyl	*93.3*			*32.0-120*		*10/15/2024 12:46*	WG2380845
(S) p-Terphenyl-d14	*91.9*			*23.0-122*		*10/15/2024 12:46*	WG2380845

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	3.13	J	2.99	6.00	1	10/23/2024 09:28	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:36	WG2385410

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	59.3	B J	28.7	100	1	10/22/2024 11:10	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*80.6*			*50.0-150*		*10/22/2024 11:10*	WG2386637

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	10/22/2024 09:34	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 19:32	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 09:34	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 19:32	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 09:34	WG2386718
Benzene	U		0.0941	1.00	1	10/22/2024 09:34	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 09:34	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 09:34	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 09:34	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 09:34	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 09:34	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 09:34	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 09:34	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 09:34	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 09:34	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 09:34	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 09:34	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 09:34	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 09:34	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 09:34	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 09:34	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 09:34	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 09:34	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 09:34	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 09:34	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 09:34	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 09:34	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 09:34	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 09:34	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 09:34	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 09:34	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 09:34	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 09:34	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 09:34	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 09:34	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 09:34	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 09:34	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 09:34	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 09:34	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 09:34	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 09:34	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 09:34	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.137	1.00	1	10/22/2024 09:34	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 09:34	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 09:34	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 09:34	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 09:34	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 09:34	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 09:34	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 09:34	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 09:34	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 09:34	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 09:34	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 09:34	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 09:34	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 09:34	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 09:34	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 09:34	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 09:34	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 09:34	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 09:34	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 09:34	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 09:34	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 09:34	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 09:34	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 09:34	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 09:34	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 09:34	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 09:34	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 09:34	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 09:34	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 09:34	WG2386718
(S) Toluene-d8	*106*			*80.0-120*		*10/22/2024 09:34*	WG2386718
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*10/22/2024 09:34*	WG2386718
(S) 1,2-Dichloroethane-d4	*138*	J1		*70.0-130*		*10/22/2024 09:34*	WG2386718

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	505	B J	179	840	1.05	10/22/2024 18:51	WG2385176
(S) o-Terphenyl	*51.4*			*50.0-150*		*10/22/2024 18:51*	WG2385176

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	
Anthracene	U		0.0219	0.0575	1.15	10/17/2024 05:11	WG2382961
Acenaphthene	0.0221	B J	0.0219	0.0575	1.15	10/17/2024 05:11	WG2382961
Acenaphthylene	0.0202	B J	0.0196	0.0575	1.15	10/17/2024 05:11	WG2382961
Benzo(a)anthracene	U		0.0230	0.0575	1.15	10/17/2024 05:11	WG2382961
Benzo(a)pyrene	U		0.0207	0.0575	1.15	10/17/2024 05:11	WG2382961
Benzo(b)fluoranthene	U		0.0196	0.0575	1.15	10/17/2024 05:11	WG2382961
Benzo(g,h,i)perylene	U		0.0207	0.0575	1.15	10/17/2024 05:11	WG2382961
Benzo(k)fluoranthene	U		0.0230	0.288	1.15	10/17/2024 05:11	WG2382961
Chrysene	U		0.0207	0.0575	1.15	10/17/2024 05:11	WG2382961
Dibenz(a,h)anthracene	U		0.0207	0.0575	1.15	10/17/2024 05:11	WG2382961
Fluoranthene	0.0245	B J	0.0127	0.0575	1.15	10/17/2024 05:11	WG2382961
Fluorene	0.0246	B J	0.0196	0.0575	1.15	10/17/2024 05:11	WG2382961

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	
Indeno(1,2,3-cd)pyrene	U		0.0207	0.0575	1.15	10/17/2024 05:11	WG2382961
Naphthalene	U		0.147	0.575	1.15	10/17/2024 05:11	WG2382961
Phenanthrene	0.0288	B J	0.0207	0.0575	1.15	10/17/2024 05:11	WG2382961
Pyrene	0.0236	B J	0.0196	0.0575	1.15	10/17/2024 05:11	WG2382961
1-Methylnaphthalene	0.0540	B J	0.0230	0.575	1.15	10/17/2024 05:11	WG2382961
2-Methylnaphthalene	0.0590	B J	0.0322	0.575	1.15	10/17/2024 05:11	WG2382961
2-Chloronaphthalene	U		0.0138	0.575	1.15	10/17/2024 05:11	WG2382961
(S) Nitrobenzene-d5	*100*			*11.0-135*		*10/17/2024 05:11*	WG2382961
(S) 2-Fluorobiphenyl	*90.4*			*32.0-120*		*10/17/2024 05:11*	WG2382961
(S) p-Terphenyl-d14	*90.9*			*23.0-122*		*10/17/2024 05:11*	WG2382961

Sample Narrative:

L1788583-11 WG2382961: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:30	WG2385436
Lead,Dissolved	3.98	J	2.99	6.00	1	10/23/2024 13:38	WG2385410

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	57.6	B J	28.7	100	1	10/22/2024 11:32	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*78.9*			*50.0-150*		*10/22/2024 11:32*	WG2386637

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	10/22/2024 09:54	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 19:53	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 09:54	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 19:53	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 09:54	WG2386718
Benzene	1.56		0.0941	1.00	1	10/22/2024 09:54	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 09:54	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 09:54	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 09:54	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 09:54	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 09:54	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 09:54	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 09:54	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 09:54	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 09:54	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 09:54	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 09:54	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 09:54	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 09:54	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 09:54	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 09:54	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 09:54	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 09:54	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 09:54	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 09:54	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 09:54	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 09:54	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 09:54	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 09:54	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 09:54	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 09:54	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 09:54	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 09:54	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 09:54	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 09:54	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 09:54	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 09:54	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 09:54	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 09:54	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 09:54	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 09:54	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 09:54	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.137	1.00	1	10/22/2024 09:54	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 09:54	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 09:54	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 09:54	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 09:54	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 09:54	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 09:54	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 09:54	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 09:54	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 09:54	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 09:54	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 09:54	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 09:54	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 09:54	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 09:54	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 09:54	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 09:54	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 09:54	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 09:54	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 09:54	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 09:54	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 09:54	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 09:54	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 09:54	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 09:54	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 09:54	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 09:54	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 09:54	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 09:54	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 09:54	WG2386718
(S) Toluene-d8	*107*			*80.0-120*		*10/22/2024 09:54*	WG2386718
(S) 4-Bromofluorobenzene	*96.2*			*77.0-126*		*10/22/2024 09:54*	WG2386718
(S) 1,2-Dichloroethane-d4	*140*	J1		*70.0-130*		*10/22/2024 09:54*	WG2386718

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	521	B J	189	888	1.11	10/22/2024 19:11	WG2385176
(S) o-Terphenyl	*56.2*			*50.0-150*		*10/22/2024 19:11*	WG2385176

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	
Anthracene	U		0.0226	0.0595	1.19	10/17/2024 05:29	WG2382961
Acenaphthene	U		0.0226	0.0595	1.19	10/17/2024 05:29	WG2382961
Acenaphthylene	U		0.0202	0.0595	1.19	10/17/2024 05:29	WG2382961
Benzo(a)anthracene	U		0.0238	0.0595	1.19	10/17/2024 05:29	WG2382961
Benzo(a)pyrene	U		0.0214	0.0595	1.19	10/17/2024 05:29	WG2382961
Benzo(b)fluoranthene	U		0.0202	0.0595	1.19	10/17/2024 05:29	WG2382961
Benzo(g,h,i)perylene	U		0.0214	0.0595	1.19	10/17/2024 05:29	WG2382961
Benzo(k)fluoranthene	U		0.0238	0.297	1.19	10/17/2024 05:29	WG2382961
Chrysene	U		0.0214	0.0595	1.19	10/17/2024 05:29	WG2382961
Dibenz(a,h)anthracene	U		0.0214	0.0595	1.19	10/17/2024 05:29	WG2382961
Fluoranthene	0.0272	B J	0.0131	0.0595	1.19	10/17/2024 05:29	WG2382961
Fluorene	U		0.0202	0.0595	1.19	10/17/2024 05:29	WG2382961

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	
Indeno(1,2,3-cd)pyrene	U		0.0214	0.0595	1.19	10/17/2024 05:29	WG2382961
Naphthalene	U		0.152	0.595	1.19	10/17/2024 05:29	WG2382961
Phenanthrene	U		0.0214	0.0595	1.19	10/17/2024 05:29	WG2382961
Pyrene	0.0307	B J	0.0202	0.0595	1.19	10/17/2024 05:29	WG2382961
1-Methylnaphthalene	U		0.0238	0.595	1.19	10/17/2024 05:29	WG2382961
2-Methylnaphthalene	U		0.0333	0.595	1.19	10/17/2024 05:29	WG2382961
2-Chloronaphthalene	U		0.0143	0.595	1.19	10/17/2024 05:29	WG2382961
(S) Nitrobenzene-d5	*104*			*11.0-135*		*10/17/2024 05:29*	WG2382961
(S) 2-Fluorobiphenyl	*90.8*			*32.0-120*		*10/17/2024 05:29*	WG2382961
(S) p-Terphenyl-d14	*99.6*			*23.0-122*		*10/17/2024 05:29*	WG2382961

Sample Narrative:

L1788583-12 WG2382961: Dilution due to matrix impact during extraction procedure

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	11.2		2.99	6.00	1	10/23/2024 09:31	WG2385436
Lead,Dissolved	10.3		2.99	6.00	1	10/23/2024 13:40	WG2385410

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	716		28.7	100	1	10/22/2024 11:54	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*80.5*			*50.0-150*		*10/22/2024 11:54*	WG2386637

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	10/22/2024 10:14	WG2386718
1,2,3-Trichloropropane	U		0.200	0.500	100	10/16/2024 15:26	WG2383145
Acrolein	U		2.54	50.0	1	10/22/2024 10:14	WG2386718
1,2-Dibromoethane	U		0.410	0.500	100	10/16/2024 15:26	WG2383145
Acrylonitrile	U		0.671	10.0	1	10/22/2024 10:14	WG2386718
Benzene	39.6		0.0941	1.00	1	10/22/2024 10:14	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 10:14	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 10:14	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 10:14	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 10:14	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 10:14	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 10:14	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 10:14	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 10:14	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 10:14	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 10:14	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 10:14	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 10:14	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 10:14	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 10:14	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 10:14	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 10:14	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 10:14	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 10:14	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 10:14	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 10:14	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 10:14	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 10:14	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 10:14	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 10:14	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 10:14	WG2386718
1,2-Dichloroethane	7.00		0.0819	1.00	1	10/22/2024 10:14	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 10:14	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 10:14	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 10:14	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 10:14	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 10:14	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 10:14	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 10:14	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 10:14	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 10:14	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 10:14	WG2386718

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	69.3		0.137	1.00	1	10/22/2024 10:14	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 10:14	WG2386718
Isopropylbenzene	5.57		0.105	1.00	1	10/22/2024 10:14	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 10:14	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 10:14	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 10:14	WG2386718
4-Methyl-2-pentanone (MIBK)	0.595	J	0.478	10.0	1	10/22/2024 10:14	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 10:14	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 10:14	WG2386718
n-Propylbenzene	2.00		0.0993	1.00	1	10/22/2024 10:14	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 10:14	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 10:14	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 10:14	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 10:14	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 10:14	WG2386718
Toluene	0.922	J	0.278	1.00	1	10/22/2024 10:14	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 10:14	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 10:14	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 10:14	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 10:14	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 10:14	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 10:14	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 10:14	WG2386718
1,2,4-Trimethylbenzene	0.456	J	0.322	1.00	1	10/22/2024 10:14	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 10:14	WG2386718
1,3,5-Trimethylbenzene	1.69		0.104	1.00	1	10/22/2024 10:14	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 10:14	WG2386718
Xylenes, Total	29.4		0.174	3.00	1	10/22/2024 10:14	WG2386718
o-Xylene	0.268	J	0.174	1.00	1	10/22/2024 10:14	WG2386718
m&p-Xylene	29.1		0.430	2.00	1	10/22/2024 10:14	WG2386718
(S) Toluene-d8	*105*			*80.0-120*		*10/22/2024 10:14*	WG2386718
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*10/22/2024 10:14*	WG2386718
(S) 1,2-Dichloroethane-d4	*145*	J1		*70.0-130*		*10/22/2024 10:14*	WG2386718

Sample Narrative:

L1788583-13 WG2383145: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	1250	B	179	840	1.05	10/22/2024 19:31	WG2385176
(S) o-Terphenyl	*57.3*			*50.0-150*		*10/22/2024 19:31*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0224	0.0590	1.18	10/17/2024 05:46	WG2382961
Acenaphthene	U		0.0224	0.0590	1.18	10/17/2024 05:46	WG2382961
Acenaphthylene	U		0.0201	0.0590	1.18	10/17/2024 05:46	WG2382961
Benzo(a)anthracene	U		0.0236	0.0590	1.18	10/17/2024 05:46	WG2382961
Benzo(a)pyrene	U		0.0212	0.0590	1.18	10/17/2024 05:46	WG2382961
Benzo(b)fluoranthene	U		0.0201	0.0590	1.18	10/17/2024 05:46	WG2382961
Benzo(g,h,i)perylene	U		0.0212	0.0590	1.18	10/17/2024 05:46	WG2382961
Benzo(k)fluoranthene	U		0.0236	0.295	1.18	10/17/2024 05:46	WG2382961
Chrysene	U		0.0212	0.0590	1.18	10/17/2024 05:46	WG2382961

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	
Dibenz(a,h)anthracene	U		0.0212	0.0590	1.18	10/17/2024 05:46	WG2382961
Fluoranthene	U		0.0130	0.0590	1.18	10/17/2024 05:46	WG2382961
Fluorene	U		0.0201	0.0590	1.18	10/17/2024 05:46	WG2382961
Indeno(1,2,3-cd)pyrene	U		0.0212	0.0590	1.18	10/17/2024 05:46	WG2382961
Naphthalene	U		0.151	0.590	1.18	10/17/2024 05:46	WG2382961
Phenanthrene	U		0.0212	0.0590	1.18	10/17/2024 05:46	WG2382961
Pyrene	U		0.0201	0.0590	1.18	10/17/2024 05:46	WG2382961
1-Methylnaphthalene	0.0429	B J	0.0236	0.590	1.18	10/17/2024 05:46	WG2382961
2-Methylnaphthalene	0.0430	B J	0.0330	0.590	1.18	10/17/2024 05:46	WG2382961
2-Chloronaphthalene	U		0.0142	0.590	1.18	10/17/2024 05:46	WG2382961
(S) Nitrobenzene-d5	*92.8*			*11.0-135*		*10/17/2024 05:46*	WG2382961
(S) 2-Fluorobiphenyl	*92.8*			*32.0-120*		*10/17/2024 05:46*	WG2382961
(S) p-Terphenyl-d14	*91.9*			*23.0-122*		*10/17/2024 05:46*	WG2382961

Sample Narrative:

L1788583-13 WG2382961: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:33	WG2385436
Lead,Dissolved	3.20	J	2.99	6.00	1	10/23/2024 13:41	WG2385410

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	81.3	B J	28.7	100	1	10/22/2024 12:17	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*78.1*			*50.0-150*		*10/22/2024 12:17*	WG2386637

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	10/22/2024 10:35	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 20:36	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 10:35	WG2386718
1,2-Dibromoethane	0.0120		0.00410	0.00500	1	10/15/2024 20:36	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 10:35	WG2386718
Benzene	6.56		0.0941	1.00	1	10/22/2024 10:35	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 10:35	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 10:35	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 10:35	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 10:35	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 10:35	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 10:35	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 10:35	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 10:35	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 10:35	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 10:35	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 10:35	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 10:35	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 10:35	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 10:35	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 10:35	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 10:35	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 10:35	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 10:35	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 10:35	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 10:35	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 10:35	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 10:35	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 10:35	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 10:35	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 10:35	WG2386718
1,2-Dichloroethane	4.33		0.0819	1.00	1	10/22/2024 10:35	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 10:35	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 10:35	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 10:35	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 10:35	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 10:35	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 10:35	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 10:35	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 10:35	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 10:35	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 10:35	WG2386718

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	0.767	J	0.137	1.00	1	10/22/2024 10:35	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 10:35	WG2386718
Isopropylbenzene	0.115	J	0.105	1.00	1	10/22/2024 10:35	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 10:35	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 10:35	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 10:35	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 10:35	WG2386718
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 10:35	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 10:35	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 10:35	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 10:35	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 10:35	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 10:35	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 10:35	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 10:35	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 10:35	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 10:35	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 10:35	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 10:35	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 10:35	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 10:35	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 10:35	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 10:35	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 10:35	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 10:35	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 10:35	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 10:35	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 10:35	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 10:35	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 10:35	WG2386718
(S) Toluene-d8	*103*			*80.0-120*		*10/22/2024 10:35*	WG2386718
(S) 4-Bromofluorobenzene	*93.2*			*77.0-126*		*10/22/2024 10:35*	WG2386718
(S) 1,2-Dichloroethane-d4	*149*	J1		*70.0-130*		*10/22/2024 10:35*	WG2386718

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	523	B J	189	888	1.11	10/22/2024 19:51	WG2385176
(S) o-Terphenyl	*54.3*			*50.0-150*		*10/22/2024 19:51*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0247	0.0650	1.3	10/17/2024 06:03	WG2382961
Acenaphthene	U		0.0247	0.0650	1.3	10/17/2024 06:03	WG2382961
Acenaphthylene	U		0.0221	0.0650	1.3	10/17/2024 06:03	WG2382961
Benzo(a)anthracene	U		0.0260	0.0650	1.3	10/17/2024 06:03	WG2382961
Benzo(a)pyrene	U		0.0234	0.0650	1.3	10/17/2024 06:03	WG2382961
Benzo(b)fluoranthene	U		0.0221	0.0650	1.3	10/17/2024 06:03	WG2382961
Benzo(g,h,i)perylene	U		0.0234	0.0650	1.3	10/17/2024 06:03	WG2382961
Benzo(k)fluoranthene	U		0.0260	0.325	1.3	10/17/2024 06:03	WG2382961
Chrysene	U		0.0234	0.0650	1.3	10/17/2024 06:03	WG2382961
Dibenz(a,h)anthracene	U		0.0234	0.0650	1.3	10/17/2024 06:03	WG2382961
Fluoranthene	U		0.0143	0.0650	1.3	10/17/2024 06:03	WG2382961
Fluorene	U		0.0221	0.0650	1.3	10/17/2024 06:03	WG2382961

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	
Indeno(1,2,3-cd)pyrene	U		0.0234	0.0650	1.3	10/17/2024 06:03	WG2382961
Naphthalene	U		0.166	0.650	1.3	10/17/2024 06:03	WG2382961
Phenanthrene	U		0.0234	0.0650	1.3	10/17/2024 06:03	WG2382961
Pyrene	U		0.0221	0.0650	1.3	10/17/2024 06:03	WG2382961
1-Methylnaphthalene	0.0822	B J	0.0260	0.650	1.3	10/17/2024 06:03	WG2382961
2-Methylnaphthalene	0.0798	B J	0.0364	0.650	1.3	10/17/2024 06:03	WG2382961
2-Chloronaphthalene	U		0.0156	0.650	1.3	10/17/2024 06:03	WG2382961
(S) Nitrobenzene-d5	*112*			*11.0-135*		*10/17/2024 06:03*	WG2382961
(S) 2-Fluorobiphenyl	*95.8*			*32.0-120*		*10/17/2024 06:03*	WG2382961
(S) p-Terphenyl-d14	*111*			*23.0-122*		*10/17/2024 06:03*	WG2382961

Sample Narrative:

L1788583-14 WG2382961: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:35	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:43	WG2385410

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	74.2	B J	28.7	100	1	10/22/2024 17:44	WG2386663
(S) a,a,a-Trifluorotoluene(FID)	*75.8*			*50.0-150*		*10/22/2024 17:44*	WG2386663

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	Q	11.3	50.0	1	10/29/2024 17:24	WG2391115
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 20:57	WG2382260
Acrolein	U	C3 Q	2.54	50.0	1	10/29/2024 17:24	WG2391115
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 20:57	WG2382260
Acrylonitrile	U	Q	0.671	10.0	1	10/29/2024 17:24	WG2391115
Benzene	U	Q	0.0941	1.00	1	10/29/2024 17:24	WG2391115
Bromobenzene	U	C3 Q	0.118	1.00	1	10/29/2024 17:24	WG2391115
Bromochloromethane	U	Q	0.128	1.00	1	10/29/2024 17:24	WG2391115
Bromodichloromethane	U	Q	0.136	1.00	1	10/29/2024 17:24	WG2391115
Bromoform	U	Q	0.129	1.00	1	10/29/2024 17:24	WG2391115
Bromomethane	U	Q	0.605	5.00	1	10/29/2024 17:24	WG2391115
n-Butylbenzene	U	Q	0.157	1.00	1	10/29/2024 17:24	WG2391115
sec-Butylbenzene	U	Q	0.125	1.00	1	10/29/2024 17:24	WG2391115
tert-Butylbenzene	U	Q	0.127	1.00	1	10/29/2024 17:24	WG2391115
Carbon disulfide	U	C3 Q	0.0962	1.00	1	10/29/2024 17:24	WG2391115
Carbon tetrachloride	U	Q	0.128	1.00	1	10/29/2024 17:24	WG2391115
Chlorobenzene	U	Q	0.116	1.00	1	10/29/2024 17:24	WG2391115
Chlorodibromomethane	U	Q	0.140	1.00	1	10/29/2024 17:24	WG2391115
Chloroethane	U	Q	0.192	5.00	1	10/29/2024 17:24	WG2391115
Chloroform	U	Q	0.111	5.00	1	10/29/2024 17:24	WG2391115
Chloromethane	U	Q	0.960	2.50	1	10/29/2024 17:24	WG2391115
2-Chlorotoluene	U	Q	0.106	1.00	1	10/29/2024 17:24	WG2391115
4-Chlorotoluene	U	C3 Q	0.114	1.00	1	10/29/2024 17:24	WG2391115
1,2-Dibromo-3-Chloropropane	U	Q	0.276	5.00	1	10/29/2024 17:24	WG2391115
1,2-Dibromoethane	U	Q	0.126	1.00	1	10/29/2024 17:24	WG2391115
Dibromomethane	U	Q	0.122	1.00	1	10/29/2024 17:24	WG2391115
1,2-Dichlorobenzene	U	Q	0.107	1.00	1	10/29/2024 17:24	WG2391115
1,3-Dichlorobenzene	U	Q	0.110	1.00	1	10/29/2024 17:24	WG2391115
1,4-Dichlorobenzene	U	Q	0.120	1.00	1	10/29/2024 17:24	WG2391115
Dichlorodifluoromethane	U	Q	0.374	5.00	1	10/29/2024 17:24	WG2391115
1,1-Dichloroethane	U	Q	0.100	1.00	1	10/29/2024 17:24	WG2391115
1,2-Dichloroethane	U	Q	0.0819	1.00	1	10/29/2024 17:24	WG2391115
1,1-Dichloroethene	U	Q	0.188	1.00	1	10/29/2024 17:24	WG2391115
cis-1,2-Dichloroethene	U	Q	0.126	1.00	1	10/29/2024 17:24	WG2391115
trans-1,2-Dichloroethene	U	Q	0.149	1.00	1	10/29/2024 17:24	WG2391115
1,2-Dichloropropane	U	Q	0.149	1.00	1	10/29/2024 17:24	WG2391115
1,1-Dichloropropene	U	Q	0.142	1.00	1	10/29/2024 17:24	WG2391115
1,3-Dichloropropane	U	Q	0.110	1.00	1	10/29/2024 17:24	WG2391115
cis-1,3-Dichloropropene	U	Q	0.111	1.00	1	10/29/2024 17:24	WG2391115
trans-1,3-Dichloropropene	U	Q	0.118	1.00	1	10/29/2024 17:24	WG2391115
2,2-Dichloropropane	U	Q	0.161	1.00	1	10/29/2024 17:24	WG2391115
Di-isopropyl ether	U	C3 Q	0.105	1.00	1	10/29/2024 17:24	WG2391115

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U	Q	0.137	1.00	1	10/29/2024 17:24	WG2391115
Hexachloro-1,3-butadiene	U	Q	0.337	1.00	1	10/29/2024 17:24	WG2391115
Isopropylbenzene	U	Q	0.105	1.00	1	10/29/2024 17:24	WG2391115
p-Isopropyltoluene	U	Q	0.120	1.00	1	10/29/2024 17:24	WG2391115
2-Butanone (MEK)	U	C3 Q	1.19	10.0	1	10/29/2024 17:24	WG2391115
Methylene Chloride	U	Q	0.430	5.00	1	10/29/2024 17:24	WG2391115
4-Methyl-2-pentanone (MIBK)	U	Q	0.478	10.0	1	10/29/2024 17:24	WG2391115
Methyl tert-butyl ether	U	Q	0.101	1.00	1	10/29/2024 17:24	WG2391115
Naphthalene	U	Q	1.00	5.00	1	10/29/2024 17:24	WG2391115
n-Propylbenzene	U	C3 Q	0.0993	1.00	1	10/29/2024 17:24	WG2391115
Styrene	U	Q	0.118	1.00	1	10/29/2024 17:24	WG2391115
1,1,1,2-Tetrachloroethane	U	Q	0.147	1.00	1	10/29/2024 17:24	WG2391115
1,1,2,2-Tetrachloroethane	U	Q	0.133	1.00	1	10/29/2024 17:24	WG2391115
1,1,2-Trichlorotrifluoroethane	U	Q	0.180	1.00	1	10/29/2024 17:24	WG2391115
Tetrachloroethene	U	Q	0.300	1.00	1	10/29/2024 17:24	WG2391115
Toluene	U	Q	0.278	1.00	1	10/29/2024 17:24	WG2391115
1,2,3-Trichlorobenzene	U	Q	0.230	1.00	1	10/29/2024 17:24	WG2391115
1,2,4-Trichlorobenzene	U	Q	0.481	1.00	1	10/29/2024 17:24	WG2391115
1,1,1-Trichloroethane	U	Q	0.149	1.00	1	10/29/2024 17:24	WG2391115
1,1,2-Trichloroethane	U	Q	0.158	1.00	1	10/29/2024 17:24	WG2391115
Trichloroethene	U	Q	0.190	1.00	1	10/29/2024 17:24	WG2391115
Trichlorofluoromethane	U	Q	0.160	5.00	1	10/29/2024 17:24	WG2391115
1,2,3-Trichloropropane	U	Q	0.237	2.50	1	10/29/2024 17:24	WG2391115
1,2,4-Trimethylbenzene	U	C3 Q	0.322	1.00	1	10/29/2024 17:24	WG2391115
1,2,3-Trimethylbenzene	U	Q	0.104	1.00	1	10/29/2024 17:24	WG2391115
1,3,5-Trimethylbenzene	U	Q	0.104	1.00	1	10/29/2024 17:24	WG2391115
Vinyl chloride	U	Q	0.234	1.00	1	10/29/2024 17:24	WG2391115
Xylenes, Total	U	Q	0.174	3.00	1	10/29/2024 17:24	WG2391115
o-Xylene	U	Q	0.174	1.00	1	10/29/2024 17:24	WG2391115
m&p-Xylene	U	Q	0.430	2.00	1	10/29/2024 17:24	WG2391115
(S) Toluene-d8	*119*			*80.0-120*		*10/29/2024 17:24*	WG2391115
(S) 4-Bromofluorobenzene	*114*			*77.0-126*		*10/29/2024 17:24*	WG2391115
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*10/29/2024 17:24*	WG2391115

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	511	B J	179	840	1.05	10/22/2024 20:12	WG2385176
(S) o-Terphenyl	*65.4*			*50.0-150*		*10/22/2024 20:12*	WG2385176

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	
Anthracene	U		0.0213	0.0560	1.12	10/15/2024 13:04	WG2380845
Acenaphthene	U		0.0213	0.0560	1.12	10/15/2024 13:04	WG2380845
Acenaphthylene	U		0.0190	0.0560	1.12	10/15/2024 13:04	WG2380845
Benzo(a)anthracene	U		0.0224	0.0560	1.12	10/15/2024 13:04	WG2380845
Benzo(a)pyrene	U		0.0202	0.0560	1.12	10/15/2024 13:04	WG2380845
Benzo(b)fluoranthene	U		0.0190	0.0560	1.12	10/15/2024 13:04	WG2380845
Benzo(g,h,i)perylene	U		0.0202	0.0560	1.12	10/15/2024 13:04	WG2380845
Benzo(k)fluoranthene	U		0.0224	0.280	1.12	10/15/2024 13:04	WG2380845
Chrysene	U		0.0202	0.0560	1.12	10/15/2024 13:04	WG2380845
Dibenz(a,h)anthracene	U		0.0202	0.0560	1.12	10/15/2024 13:04	WG2380845
Fluoranthene	0.0129	J	0.0123	0.0560	1.12	10/15/2024 13:04	WG2380845
Fluorene	U		0.0190	0.0560	1.12	10/15/2024 13:04	WG2380845

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	
Indeno(1,2,3-cd)pyrene	U		0.0202	0.0560	1.12	10/15/2024 13:04	WG2380845
Naphthalene	U		0.143	0.560	1.12	10/15/2024 13:04	WG2380845
Phenanthrene	U		0.0202	0.0560	1.12	10/15/2024 13:04	WG2380845
Pyrene	U		0.0190	0.0560	1.12	10/15/2024 13:04	WG2380845
1-Methylnaphthalene	U		0.0224	0.560	1.12	10/15/2024 13:04	WG2380845
2-Methylnaphthalene	U		0.0314	0.560	1.12	10/15/2024 13:04	WG2380845
2-Chloronaphthalene	U		0.0134	0.560	1.12	10/15/2024 13:04	WG2380845
(S) Nitrobenzene-d5	*93.8*			*11.0-135*		*10/15/2024 13:04*	WG2380845
(S) 2-Fluorobiphenyl	*93.3*			*32.0-120*		*10/15/2024 13:04*	WG2380845
(S) p-Terphenyl-d14	*90.7*			*23.0-122*		*10/15/2024 13:04*	WG2380845

Sample Narrative:

L1788583-15 WG2380845: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:40	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 12:59	WG2385410

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	50.2	B J	28.7	100	1	10/22/2024 12:39	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*77.3*			*50.0-150*		*10/22/2024 12:39*	WG2386637

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	12.5	J	11.3	50.0	1	10/22/2024 19:42	WG2386744
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 21:19	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 19:42	WG2386744
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 21:19	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 19:42	WG2386744
Benzene	0.301	J	0.0941	1.00	1	10/22/2024 19:42	WG2386744
Bromobenzene	U		0.118	1.00	1	10/22/2024 19:42	WG2386744
Bromochloromethane	U		0.128	1.00	1	10/22/2024 19:42	WG2386744
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 19:42	WG2386744
Bromoform	U		0.129	1.00	1	10/22/2024 19:42	WG2386744
Bromomethane	U	C3	0.605	5.00	1	10/22/2024 19:42	WG2386744
n-Butylbenzene	U	C3	0.157	1.00	1	10/22/2024 19:42	WG2386744
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 19:42	WG2386744
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 19:42	WG2386744
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 19:42	WG2386744
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 19:42	WG2386744
Chlorobenzene	U		0.116	1.00	1	10/22/2024 19:42	WG2386744
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 19:42	WG2386744
Chloroethane	U		0.192	5.00	1	10/22/2024 19:42	WG2386744
Chloroform	U		0.111	5.00	1	10/22/2024 19:42	WG2386744
Chloromethane	U		0.960	2.50	1	10/22/2024 19:42	WG2386744
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 19:42	WG2386744
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 19:42	WG2386744
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 19:42	WG2386744
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 19:42	WG2386744
Dibromomethane	U		0.122	1.00	1	10/22/2024 19:42	WG2386744
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 19:42	WG2386744
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 19:42	WG2386744
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 19:42	WG2386744
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 19:42	WG2386744
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 19:42	WG2386744
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 19:42	WG2386744
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 19:42	WG2386744
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 19:42	WG2386744
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 19:42	WG2386744
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 19:42	WG2386744
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 19:42	WG2386744
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 19:42	WG2386744
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 19:42	WG2386744
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 19:42	WG2386744
2,2-Dichloropropane	U	C3	0.161	1.00	1	10/22/2024 19:42	WG2386744
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 19:42	WG2386744

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylbenzene	0.439	J	0.137	1.00	1	10/22/2024 19:42	WG2386744
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 19:42	WG2386744
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 19:42	WG2386744
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 19:42	WG2386744
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 19:42	WG2386744
Methylene Chloride	U		0.430	5.00	1	10/22/2024 19:42	WG2386744
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 19:42	WG2386744
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 19:42	WG2386744
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 19:42	WG2386744
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 19:42	WG2386744
Styrene	U	C3	0.118	1.00	1	10/22/2024 19:42	WG2386744
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 19:42	WG2386744
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 19:42	WG2386744
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 19:42	WG2386744
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 19:42	WG2386744
Toluene	0.688	J	0.278	1.00	1	10/22/2024 19:42	WG2386744
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/22/2024 19:42	WG2386744
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 19:42	WG2386744
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 19:42	WG2386744
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 19:42	WG2386744
Trichloroethene	U		0.190	1.00	1	10/22/2024 19:42	WG2386744
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 19:42	WG2386744
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 19:42	WG2386744
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 19:42	WG2386744
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 19:42	WG2386744
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 19:42	WG2386744
Vinyl chloride	U		0.234	1.00	1	10/22/2024 19:42	WG2386744
Xylenes, Total	0.741	J	0.174	3.00	1	10/22/2024 19:42	WG2386744
o-Xylene	U		0.174	1.00	1	10/22/2024 19:42	WG2386744
m&p-Xylene	0.741	J	0.430	2.00	1	10/22/2024 19:42	WG2386744
(S) Toluene-d8	*100*			*80.0-120*		*10/22/2024 19:42*	WG2386744
(S) 4-Bromofluorobenzene	*90.0*			*77.0-126*		*10/22/2024 19:42*	WG2386744
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*10/22/2024 19:42*	WG2386744

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	529	B J	189	888	1.11	10/22/2024 20:32	WG2385176
(S) o-Terphenyl	*50.4*			*50.0-150*		*10/22/2024 20:32*	WG2385176

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0220	0.0580	1.16	10/17/2024 06:20	WG2382961
Acenaphthene	U		0.0220	0.0580	1.16	10/17/2024 06:20	WG2382961
Acenaphthylene	U		0.0197	0.0580	1.16	10/17/2024 06:20	WG2382961
Benzo(a)anthracene	U		0.0232	0.0580	1.16	10/17/2024 06:20	WG2382961
Benzo(a)pyrene	U		0.0209	0.0580	1.16	10/17/2024 06:20	WG2382961
Benzo(b)fluoranthene	U		0.0197	0.0580	1.16	10/17/2024 06:20	WG2382961
Benzo(g,h,i)perylene	U		0.0209	0.0580	1.16	10/17/2024 06:20	WG2382961
Benzo(k)fluoranthene	U		0.0232	0.290	1.16	10/17/2024 06:20	WG2382961
Chrysene	U		0.0209	0.0580	1.16	10/17/2024 06:20	WG2382961
Dibenz(a,h)anthracene	U		0.0209	0.0580	1.16	10/17/2024 06:20	WG2382961
Fluoranthene	0.0155	B J	0.0128	0.0580	1.16	10/17/2024 06:20	WG2382961
Fluorene	U		0.0197	0.0580	1.16	10/17/2024 06:20	WG2382961

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	
Indeno(1,2,3-cd)pyrene	U		0.0209	0.0580	1.16	10/17/2024 06:20	WG2382961
Naphthalene	U		0.148	0.580	1.16	10/17/2024 06:20	WG2382961
Phenanthrene	U		0.0209	0.0580	1.16	10/17/2024 06:20	WG2382961
Pyrene	U		0.0197	0.0580	1.16	10/17/2024 06:20	WG2382961
1-Methylnaphthalene	0.0773	B J	0.0232	0.580	1.16	10/17/2024 06:20	WG2382961
2-Methylnaphthalene	0.0890	B J	0.0325	0.580	1.16	10/17/2024 06:20	WG2382961
2-Chloronaphthalene	U		0.0139	0.580	1.16	10/17/2024 06:20	WG2382961
(S) Nitrobenzene-d5	*105*			*11.0-135*		*10/17/2024 06:20*	WG2382961
(S) 2-Fluorobiphenyl	*88.8*			*32.0-120*		*10/17/2024 06:20*	WG2382961
(S) p-Terphenyl-d14	*95.3*			*23.0-122*		*10/17/2024 06:20*	WG2382961

Sample Narrative:

L1788583-16 WG2382961: Dilution due to matrix impact during extraction procedure

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	10/23/2024 09:41	WG2385436
Lead,Dissolved	U		2.99	6.00	1	10/23/2024 13:01	WG2385410

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	35.5	B J	28.7	100	1	10/22/2024 13:02	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*73.9*			*50.0-150*		*10/22/2024 13:02*	WG2386637

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	10/22/2024 20:03	WG2386744
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 21:40	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 20:03	WG2386744
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 21:40	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 20:03	WG2386744
Benzene	U		0.0941	1.00	1	10/22/2024 20:03	WG2386744
Bromobenzene	U		0.118	1.00	1	10/22/2024 20:03	WG2386744
Bromochloromethane	U		0.128	1.00	1	10/22/2024 20:03	WG2386744
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 20:03	WG2386744
Bromoform	U		0.129	1.00	1	10/22/2024 20:03	WG2386744
Bromomethane	U	C3	0.605	5.00	1	10/22/2024 20:03	WG2386744
n-Butylbenzene	U	C3	0.157	1.00	1	10/22/2024 20:03	WG2386744
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 20:03	WG2386744
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 20:03	WG2386744
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 20:03	WG2386744
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 20:03	WG2386744
Chlorobenzene	U		0.116	1.00	1	10/22/2024 20:03	WG2386744
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 20:03	WG2386744
Chloroethane	U		0.192	5.00	1	10/22/2024 20:03	WG2386744
Chloroform	U		0.111	5.00	1	10/22/2024 20:03	WG2386744
Chloromethane	U		0.960	2.50	1	10/22/2024 20:03	WG2386744
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 20:03	WG2386744
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 20:03	WG2386744
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 20:03	WG2386744
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 20:03	WG2386744
Dibromomethane	U		0.122	1.00	1	10/22/2024 20:03	WG2386744
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 20:03	WG2386744
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 20:03	WG2386744
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 20:03	WG2386744
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 20:03	WG2386744
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 20:03	WG2386744
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 20:03	WG2386744
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 20:03	WG2386744
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 20:03	WG2386744
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 20:03	WG2386744
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 20:03	WG2386744
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 20:03	WG2386744
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 20:03	WG2386744
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 20:03	WG2386744
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 20:03	WG2386744
2,2-Dichloropropane	U	C3	0.161	1.00	1	10/22/2024 20:03	WG2386744
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 20:03	WG2386744

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylbenzene	U		0.137	1.00	1	10/22/2024 20:03	WG2386744
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 20:03	WG2386744
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 20:03	WG2386744
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 20:03	WG2386744
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 20:03	WG2386744
Methylene Chloride	U		0.430	5.00	1	10/22/2024 20:03	WG2386744
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 20:03	WG2386744
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 20:03	WG2386744
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 20:03	WG2386744
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 20:03	WG2386744
Styrene	U	C3	0.118	1.00	1	10/22/2024 20:03	WG2386744
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 20:03	WG2386744
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 20:03	WG2386744
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 20:03	WG2386744
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 20:03	WG2386744
Toluene	U		0.278	1.00	1	10/22/2024 20:03	WG2386744
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/22/2024 20:03	WG2386744
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 20:03	WG2386744
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 20:03	WG2386744
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 20:03	WG2386744
Trichloroethene	U		0.190	1.00	1	10/22/2024 20:03	WG2386744
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 20:03	WG2386744
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 20:03	WG2386744
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 20:03	WG2386744
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 20:03	WG2386744
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 20:03	WG2386744
Vinyl chloride	U		0.234	1.00	1	10/22/2024 20:03	WG2386744
Xylenes, Total	U		0.174	3.00	1	10/22/2024 20:03	WG2386744
o-Xylene	U		0.174	1.00	1	10/22/2024 20:03	WG2386744
m&p-Xylene	U		0.430	2.00	1	10/22/2024 20:03	WG2386744
(S) Toluene-d8	*108*			*80.0-120*		*10/22/2024 20:03*	WG2386744
(S) 4-Bromofluorobenzene	*91.1*			*77.0-126*		*10/22/2024 20:03*	WG2386744
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*10/22/2024 20:03*	WG2386744

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	U		179	840	1.05	10/24/2024 15:59	WG2388363
(S) o-Terphenyl	*114*			*50.0-150*		*10/24/2024 15:59*	WG2388363

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	
Anthracene	U		0.0220	0.0580	1.16	10/17/2024 03:46	WG2382961
Acenaphthene	U		0.0220	0.0580	1.16	10/17/2024 03:46	WG2382961
Acenaphthylene	U		0.0197	0.0580	1.16	10/17/2024 03:46	WG2382961
Benzo(a)anthracene	U		0.0232	0.0580	1.16	10/17/2024 03:46	WG2382961
Benzo(a)pyrene	U		0.0209	0.0580	1.16	10/17/2024 03:46	WG2382961
Benzo(b)fluoranthene	U		0.0197	0.0580	1.16	10/17/2024 03:46	WG2382961
Benzo(g,h,i)perylene	U		0.0209	0.0580	1.16	10/17/2024 03:46	WG2382961
Benzo(k)fluoranthene	U		0.0232	0.290	1.16	10/17/2024 03:46	WG2382961
Chrysene	U		0.0209	0.0580	1.16	10/17/2024 03:46	WG2382961
Dibenz(a,h)anthracene	U		0.0209	0.0580	1.16	10/17/2024 03:46	WG2382961
Fluoranthene	0.0187	B J	0.0128	0.0580	1.16	10/17/2024 03:46	WG2382961
Fluorene	U		0.0197	0.0580	1.16	10/17/2024 03:46	WG2382961

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	
Indeno(1,2,3-cd)pyrene	U		0.0209	0.0580	1.16	10/17/2024 03:46	WG2382961
Naphthalene	U		0.148	0.580	1.16	10/17/2024 03:46	WG2382961
Phenanthrene	U		0.0209	0.0580	1.16	10/17/2024 03:46	WG2382961
Pyrene	U		0.0197	0.0580	1.16	10/17/2024 03:46	WG2382961
1-Methylnaphthalene	U		0.0232	0.580	1.16	10/17/2024 03:46	WG2382961
2-Methylnaphthalene	U		0.0325	0.580	1.16	10/17/2024 03:46	WG2382961
2-Chloronaphthalene	U		0.0139	0.580	1.16	10/17/2024 03:46	WG2382961
(S) Nitrobenzene-d5	*96.1*			*11.0-135*		*10/17/2024 03:46*	WG2382961
(S) 2-Fluorobiphenyl	*84.1*			*32.0-120*		*10/17/2024 03:46*	WG2382961
(S) p-Terphenyl-d14	*99.6*			*23.0-122*		*10/17/2024 03:46*	WG2382961

Sample Narrative:

L1788583-17 WG2382961: Dilution due to matrix impact during extraction procedure

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	75.5	B J	28.7	100	1	10/22/2024 03:22	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*87.9*			*50.0-150*		*10/22/2024 03:22*	WG2386637

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	10/22/2024 06:11	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 15:57	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 06:11	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 15:57	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 06:11	WG2386718
Benzene	U		0.0941	1.00	1	10/22/2024 06:11	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 06:11	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 06:11	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 06:11	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 06:11	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 06:11	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 06:11	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 06:11	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 06:11	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 06:11	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 06:11	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 06:11	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 06:11	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 06:11	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 06:11	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 06:11	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 06:11	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 06:11	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 06:11	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 06:11	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 06:11	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 06:11	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 06:11	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 06:11	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 06:11	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 06:11	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 06:11	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 06:11	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 06:11	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 06:11	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 06:11	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 06:11	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 06:11	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 06:11	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 06:11	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 06:11	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 06:11	WG2386718
Ethylbenzene	U		0.137	1.00	1	10/22/2024 06:11	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 06:11	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 06:11	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 06:11	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 06:11	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 06:11	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 06:11	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 06:11	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 06:11	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 06:11	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 06:11	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 06:11	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 06:11	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 06:11	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 06:11	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 06:11	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 06:11	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 06:11	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 06:11	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 06:11	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 06:11	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 06:11	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 06:11	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 06:11	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 06:11	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 06:11	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 06:11	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 06:11	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 06:11	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 06:11	WG2386718
(S) Toluene-d8	*104*			*80.0-120*		*10/22/2024 06:11*	WG2386718
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*10/22/2024 06:11*	WG2386718
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*		*10/22/2024 06:11*	WG2386718

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	60.1	B J	28.7	100	1	10/22/2024 03:45	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*81.8*			*50.0-150*		*10/22/2024 03:45*	WG2386637

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	10/22/2024 06:31	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 16:18	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 06:31	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 16:18	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 06:31	WG2386718
Benzene	U		0.0941	1.00	1	10/22/2024 06:31	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 06:31	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 06:31	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 06:31	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 06:31	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 06:31	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 06:31	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 06:31	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 06:31	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 06:31	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 06:31	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 06:31	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 06:31	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 06:31	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 06:31	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 06:31	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 06:31	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 06:31	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 06:31	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 06:31	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 06:31	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 06:31	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 06:31	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 06:31	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 06:31	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 06:31	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 06:31	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 06:31	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 06:31	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 06:31	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 06:31	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 06:31	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 06:31	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 06:31	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 06:31	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 06:31	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 06:31	WG2386718
Ethylbenzene	U		0.137	1.00	1	10/22/2024 06:31	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 06:31	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 06:31	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 06:31	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 06:31	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 06:31	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 06:31	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 06:31	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 06:31	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 06:31	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 06:31	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 06:31	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 06:31	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 06:31	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 06:31	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 06:31	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 06:31	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 06:31	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 06:31	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 06:31	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 06:31	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 06:31	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 06:31	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 06:31	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 06:31	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 06:31	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 06:31	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 06:31	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 06:31	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 06:31	WG2386718
(S) Toluene-d8	*106*			*80.0-120*		*10/22/2024 06:31*	WG2386718
(S) 4-Bromofluorobenzene	*95.9*			*77.0-126*		*10/22/2024 06:31*	WG2386718
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*		*10/22/2024 06:31*	WG2386718

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	55.1	B J	28.7	100	1	10/22/2024 04:07	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*81.4*			*50.0-150*		*10/22/2024 04:07*	WG2386637

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	10/22/2024 06:51	WG2386718
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 16:40	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 06:51	WG2386718
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 16:40	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 06:51	WG2386718
Benzene	U		0.0941	1.00	1	10/22/2024 06:51	WG2386718
Bromobenzene	U		0.118	1.00	1	10/22/2024 06:51	WG2386718
Bromochloromethane	U		0.128	1.00	1	10/22/2024 06:51	WG2386718
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 06:51	WG2386718
Bromoform	U		0.129	1.00	1	10/22/2024 06:51	WG2386718
Bromomethane	U		0.605	5.00	1	10/22/2024 06:51	WG2386718
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 06:51	WG2386718
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 06:51	WG2386718
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 06:51	WG2386718
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 06:51	WG2386718
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 06:51	WG2386718
Chlorobenzene	U		0.116	1.00	1	10/22/2024 06:51	WG2386718
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 06:51	WG2386718
Chloroethane	U		0.192	5.00	1	10/22/2024 06:51	WG2386718
Chloroform	U		0.111	5.00	1	10/22/2024 06:51	WG2386718
Chloromethane	U		0.960	2.50	1	10/22/2024 06:51	WG2386718
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 06:51	WG2386718
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 06:51	WG2386718
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 06:51	WG2386718
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 06:51	WG2386718
Dibromomethane	U		0.122	1.00	1	10/22/2024 06:51	WG2386718
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 06:51	WG2386718
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 06:51	WG2386718
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 06:51	WG2386718
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 06:51	WG2386718
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 06:51	WG2386718
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 06:51	WG2386718
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 06:51	WG2386718
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 06:51	WG2386718
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 06:51	WG2386718
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 06:51	WG2386718
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 06:51	WG2386718
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 06:51	WG2386718
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 06:51	WG2386718
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 06:51	WG2386718
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 06:51	WG2386718
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 06:51	WG2386718
Ethylbenzene	U		0.137	1.00	1	10/22/2024 06:51	WG2386718
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 06:51	WG2386718
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 06:51	WG2386718
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 06:51	WG2386718
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 06:51	WG2386718
Methylene Chloride	U		0.430	5.00	1	10/22/2024 06:51	WG2386718
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 06:51	WG2386718

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 06:51	WG2386718
Naphthalene	U	C3	1.00	5.00	1	10/22/2024 06:51	WG2386718
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 06:51	WG2386718
Styrene	U		0.118	1.00	1	10/22/2024 06:51	WG2386718
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 06:51	WG2386718
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 06:51	WG2386718
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 06:51	WG2386718
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 06:51	WG2386718
Toluene	U		0.278	1.00	1	10/22/2024 06:51	WG2386718
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	10/22/2024 06:51	WG2386718
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	10/22/2024 06:51	WG2386718
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 06:51	WG2386718
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 06:51	WG2386718
Trichloroethene	U		0.190	1.00	1	10/22/2024 06:51	WG2386718
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 06:51	WG2386718
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 06:51	WG2386718
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 06:51	WG2386718
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 06:51	WG2386718
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 06:51	WG2386718
Vinyl chloride	U		0.234	1.00	1	10/22/2024 06:51	WG2386718
Xylenes, Total	U		0.174	3.00	1	10/22/2024 06:51	WG2386718
o-Xylene	U		0.174	1.00	1	10/22/2024 06:51	WG2386718
m&p-Xylene	U		0.430	2.00	1	10/22/2024 06:51	WG2386718
(S) Toluene-d8	*102*			*80.0-120*		*10/22/2024 06:51*	WG2386718
(S) 4-Bromofluorobenzene	*94.5*			*77.0-126*		*10/22/2024 06:51*	WG2386718
(S) 1,2-Dichloroethane-d4	*132*	J1		*70.0-130*		*10/22/2024 06:51*	WG2386718

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	63.1	B J	28.7	100	1	10/22/2024 04:30	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*83.7*			*50.0-150*		*10/22/2024 04:30*	WG2386637

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	10/22/2024 10:50	WG2386860
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 17:01	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 10:50	WG2386860
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 17:01	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 10:50	WG2386860
Benzene	U		0.0941	1.00	1	10/22/2024 10:50	WG2386860
Bromobenzene	U		0.118	1.00	1	10/22/2024 10:50	WG2386860
Bromochloromethane	U		0.128	1.00	1	10/22/2024 10:50	WG2386860
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 10:50	WG2386860
Bromoform	U		0.129	1.00	1	10/22/2024 10:50	WG2386860
Bromomethane	U	C3	0.605	5.00	1	10/22/2024 10:50	WG2386860
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 10:50	WG2386860
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 10:50	WG2386860
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 10:50	WG2386860
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 10:50	WG2386860
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 10:50	WG2386860
Chlorobenzene	U		0.116	1.00	1	10/22/2024 10:50	WG2386860
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 10:50	WG2386860
Chloroethane	U		0.192	5.00	1	10/22/2024 10:50	WG2386860
Chloroform	U		0.111	5.00	1	10/22/2024 10:50	WG2386860
Chloromethane	U	C3	0.960	2.50	1	10/22/2024 10:50	WG2386860
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 10:50	WG2386860
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 10:50	WG2386860
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 10:50	WG2386860
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 10:50	WG2386860
Dibromomethane	U		0.122	1.00	1	10/22/2024 10:50	WG2386860
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 10:50	WG2386860
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 10:50	WG2386860
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 10:50	WG2386860
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 10:50	WG2386860
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 10:50	WG2386860
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 10:50	WG2386860
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 10:50	WG2386860
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 10:50	WG2386860
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 10:50	WG2386860
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 10:50	WG2386860
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 10:50	WG2386860
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 10:50	WG2386860
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 10:50	WG2386860
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 10:50	WG2386860
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 10:50	WG2386860
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 10:50	WG2386860
Ethylbenzene	U		0.137	1.00	1	10/22/2024 10:50	WG2386860
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 10:50	WG2386860
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 10:50	WG2386860
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 10:50	WG2386860
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 10:50	WG2386860
Methylene Chloride	U		0.430	5.00	1	10/22/2024 10:50	WG2386860
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 10:50	WG2386860

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 10:50	WG2386860
Naphthalene	U		1.00	5.00	1	10/22/2024 10:50	WG2386860
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 10:50	WG2386860
Styrene	U		0.118	1.00	1	10/22/2024 10:50	WG2386860
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 10:50	WG2386860
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 10:50	WG2386860
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 10:50	WG2386860
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 10:50	WG2386860
Toluene	U		0.278	1.00	1	10/22/2024 10:50	WG2386860
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/22/2024 10:50	WG2386860
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/22/2024 10:50	WG2386860
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 10:50	WG2386860
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 10:50	WG2386860
Trichloroethene	U		0.190	1.00	1	10/22/2024 10:50	WG2386860
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 10:50	WG2386860
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 10:50	WG2386860
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 10:50	WG2386860
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 10:50	WG2386860
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 10:50	WG2386860
Vinyl chloride	U		0.234	1.00	1	10/22/2024 10:50	WG2386860
Xylenes, Total	U		0.174	3.00	1	10/22/2024 10:50	WG2386860
o-Xylene	U		0.174	1.00	1	10/22/2024 10:50	WG2386860
m&p-Xylene	U		0.430	2.00	1	10/22/2024 10:50	WG2386860
(S) Toluene-d8	*107*			*80.0-120*		*10/22/2024 10:50*	WG2386860
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*10/22/2024 10:50*	WG2386860
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/22/2024 10:50*	WG2386860

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	67.9	B J	28.7	100	1	10/22/2024 07:26	WG2386637
(S) a,a,a-Trifluorotoluene(FID)	*77.0*			*50.0-150*		*10/22/2024 07:26*	WG2386637

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	10/22/2024 11:11	WG2386860
1,2,3-Trichloropropane	U		0.00200	0.00500	1	10/15/2024 17:23	WG2382260
Acrolein	U		2.54	50.0	1	10/22/2024 11:11	WG2386860
1,2-Dibromoethane	U		0.00410	0.00500	1	10/15/2024 17:23	WG2382260
Acrylonitrile	U		0.671	10.0	1	10/22/2024 11:11	WG2386860
Benzene	U		0.0941	1.00	1	10/22/2024 11:11	WG2386860
Bromobenzene	U		0.118	1.00	1	10/22/2024 11:11	WG2386860
Bromochloromethane	U		0.128	1.00	1	10/22/2024 11:11	WG2386860
Bromodichloromethane	U		0.136	1.00	1	10/22/2024 11:11	WG2386860
Bromoform	U		0.129	1.00	1	10/22/2024 11:11	WG2386860
Bromomethane	U	C3	0.605	5.00	1	10/22/2024 11:11	WG2386860
n-Butylbenzene	U		0.157	1.00	1	10/22/2024 11:11	WG2386860
sec-Butylbenzene	U		0.125	1.00	1	10/22/2024 11:11	WG2386860
tert-Butylbenzene	U		0.127	1.00	1	10/22/2024 11:11	WG2386860
Carbon disulfide	U		0.0962	1.00	1	10/22/2024 11:11	WG2386860
Carbon tetrachloride	U		0.128	1.00	1	10/22/2024 11:11	WG2386860
Chlorobenzene	U		0.116	1.00	1	10/22/2024 11:11	WG2386860
Chlorodibromomethane	U		0.140	1.00	1	10/22/2024 11:11	WG2386860
Chloroethane	U		0.192	5.00	1	10/22/2024 11:11	WG2386860
Chloroform	U		0.111	5.00	1	10/22/2024 11:11	WG2386860
Chloromethane	U	C3	0.960	2.50	1	10/22/2024 11:11	WG2386860
2-Chlorotoluene	U		0.106	1.00	1	10/22/2024 11:11	WG2386860
4-Chlorotoluene	U		0.114	1.00	1	10/22/2024 11:11	WG2386860
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	10/22/2024 11:11	WG2386860
1,2-Dibromoethane	U		0.126	1.00	1	10/22/2024 11:11	WG2386860
Dibromomethane	U		0.122	1.00	1	10/22/2024 11:11	WG2386860
1,2-Dichlorobenzene	U		0.107	1.00	1	10/22/2024 11:11	WG2386860
1,3-Dichlorobenzene	U		0.110	1.00	1	10/22/2024 11:11	WG2386860
1,4-Dichlorobenzene	U		0.120	1.00	1	10/22/2024 11:11	WG2386860
Dichlorodifluoromethane	U		0.374	5.00	1	10/22/2024 11:11	WG2386860
1,1-Dichloroethane	U		0.100	1.00	1	10/22/2024 11:11	WG2386860
1,2-Dichloroethane	U		0.0819	1.00	1	10/22/2024 11:11	WG2386860
1,1-Dichloroethene	U		0.188	1.00	1	10/22/2024 11:11	WG2386860
cis-1,2-Dichloroethene	U		0.126	1.00	1	10/22/2024 11:11	WG2386860
trans-1,2-Dichloroethene	U		0.149	1.00	1	10/22/2024 11:11	WG2386860
1,2-Dichloropropane	U		0.149	1.00	1	10/22/2024 11:11	WG2386860
1,1-Dichloropropene	U		0.142	1.00	1	10/22/2024 11:11	WG2386860
1,3-Dichloropropane	U		0.110	1.00	1	10/22/2024 11:11	WG2386860
cis-1,3-Dichloropropene	U		0.111	1.00	1	10/22/2024 11:11	WG2386860
trans-1,3-Dichloropropene	U		0.118	1.00	1	10/22/2024 11:11	WG2386860
2,2-Dichloropropane	U		0.161	1.00	1	10/22/2024 11:11	WG2386860
Di-isopropyl ether	U		0.105	1.00	1	10/22/2024 11:11	WG2386860
Ethylbenzene	U		0.137	1.00	1	10/22/2024 11:11	WG2386860
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/22/2024 11:11	WG2386860
Isopropylbenzene	U		0.105	1.00	1	10/22/2024 11:11	WG2386860
p-Isopropyltoluene	U		0.120	1.00	1	10/22/2024 11:11	WG2386860
2-Butanone (MEK)	U		1.19	10.0	1	10/22/2024 11:11	WG2386860
Methylene Chloride	U		0.430	5.00	1	10/22/2024 11:11	WG2386860
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	10/22/2024 11:11	WG2386860

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methyl tert-butyl ether	U		0.101	1.00	1	10/22/2024 11:11	WG2386860
Naphthalene	U		1.00	5.00	1	10/22/2024 11:11	WG2386860
n-Propylbenzene	U		0.0993	1.00	1	10/22/2024 11:11	WG2386860
Styrene	U		0.118	1.00	1	10/22/2024 11:11	WG2386860
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	10/22/2024 11:11	WG2386860
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	10/22/2024 11:11	WG2386860
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	10/22/2024 11:11	WG2386860
Tetrachloroethene	U		0.300	1.00	1	10/22/2024 11:11	WG2386860
Toluene	U		0.278	1.00	1	10/22/2024 11:11	WG2386860
1,2,3-Trichlorobenzene	U		0.230	1.00	1	10/22/2024 11:11	WG2386860
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/22/2024 11:11	WG2386860
1,1,1-Trichloroethane	U		0.149	1.00	1	10/22/2024 11:11	WG2386860
1,1,2-Trichloroethane	U		0.158	1.00	1	10/22/2024 11:11	WG2386860
Trichloroethene	U		0.190	1.00	1	10/22/2024 11:11	WG2386860
Trichlorofluoromethane	U		0.160	5.00	1	10/22/2024 11:11	WG2386860
1,2,3-Trichloropropane	U		0.237	2.50	1	10/22/2024 11:11	WG2386860
1,2,4-Trimethylbenzene	U		0.322	1.00	1	10/22/2024 11:11	WG2386860
1,2,3-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 11:11	WG2386860
1,3,5-Trimethylbenzene	U		0.104	1.00	1	10/22/2024 11:11	WG2386860
Vinyl chloride	U		0.234	1.00	1	10/22/2024 11:11	WG2386860
Xylenes, Total	U		0.174	3.00	1	10/22/2024 11:11	WG2386860
o-Xylene	U		0.174	1.00	1	10/22/2024 11:11	WG2386860
m&p-Xylene	U		0.430	2.00	1	10/22/2024 11:11	WG2386860
(S) Toluene-d8	*108*			*80.0-120*		*10/22/2024 11:11*	WG2386860
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*10/22/2024 11:11*	WG2386860
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*10/22/2024 11:11*	WG2386860

Method Blank (MB)

(MB) R4136522-1 10/23/24 13:07

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

Laboratory Control Sample (LCS)

(LCS) R4136522-2 10/23/24 13:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	1000	987	98.7	80.0-120	

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/23/24 13:11 • (MS) R4136522-4 10/23/24 13:14 • (MSD) R4136522-5 10/23/24 13:16

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,Dissolved	1000	U	971	983	97.1	98.3	1	75.0-125			1.26	20

Method Blank (MB)

(MB) R4136462-1 10/23/24 09:00

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) R4136462-2 10/23/24 09:01

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	960	96.0	80.0-120	

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/23/24 09:03 • (MS) R4136462-4 10/23/24 09:06 • (MSD) R4136462-5 10/23/24 09:08

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	4.95	983	944	97.8	93.9	1	75.0-125			4.13	20

Method Blank (MB)

(MB) R4134186-3 10/16/24 12:12

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	83.4	J	28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*85.6*			*60.0-120*

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

(LCS) R4134186-1 10/16/24 11:04 • (LCSD) R4134186-2 10/16/24 11:27

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	5160	4970	103	99.4	60.0-120			3.75	20
(S) a,a,a-Trifluorotoluene(FID)				*98.0*	*100*	*60.0-120*				

L1786497-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1786497-08 10/16/24 15:34 • (MS) R4134186-4 10/16/24 21:06 • (MSD) R4134186-5 10/16/24 21:29

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 %
TPHGAK C6 to C10	5000	705	5630	5890	98.5	104	1	70.0-130			4.51	20
(S) a,a,a-Trifluorotoluene(FID)					*106*	*108*		*50.0-150*				

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/16/24 19:58 • (MS) R4134186-6 10/16/24 21:51 • (MSD) R4134186-7 10/16/24 22:13

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 %
TPHGAK C6 to C10	5000	74.0	4660	3970	91.7	77.9	1	70.0-130			16.0	20
(S) a,a,a-Trifluorotoluene(FID)					*98.9*	*98.2*		*50.0-150*				

Method Blank (MB)

(MB) R4136000-3 10/22/24 01:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	64.7	J	28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*81.6*			*60.0-120*

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

(LCS) R4136000-1 10/21/24 23:45 • (LCSD) R4136000-2 10/22/24 00:08

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 %
TPHGAK C6 to C10	5000	5110	4770	102	95.4	60.0-120			6.88	20
(S) a,a,a-Trifluorotoluene(FID)				*94.5*	*92.6*	*60.0-120*				

Method Blank (MB)

(MB) R4136782-3 10/22/24 16:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	64.6	J	28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*78.0*			*60.0-120*

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

(LCS) R4136782-1 10/22/24 15:37 • (LCSD) R4136782-2 10/22/24 16:00

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	4930	4890	98.6	97.8	60.0-120			0.815	20
(S) a,a,a-Trifluorotoluene(FID)				*94.0*	*94.3*	*60.0-120*				

Method Blank (MB)

(MB) R4133252-2 10/15/24 14:45

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) R4133252-1 10/15/24 14:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0470	94.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0450	90.0	70.0-130	

Method Blank (MB)

(MB) R4133881-2 10/16/24 10:50

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) R4133881-1 10/16/24 10:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0420	84.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0430	86.0	70.0-130	

Method Blank (MB)

(MB) R4133882-2 10/16/24 10:50

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

Laboratory Control Sample (LCS)

(LCS) R4133882-1 10/16/24 10:29

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,2,3-Trichloropropane	0.0500	0.0420	84.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0430	86.0	70.0-130	

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/16/24 14:01 • (MS) R4133882-3 10/16/24 16:31 • (MSD) R4133882-4 10/16/24 16:52

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	%	%		%			%	%
1,2,3-Trichloropropane	0.0500	U	0.0450	0.0450	90.0	90.0	1	70.0-130			0.000	20
1,2-Dibromoethane	0.0500	0.00600	0.0500	0.0530	88.0	94.0	1	70.0-130			5.83	20

Method Blank (MB)

(MB) R4138131-2 10/22/24 05:51

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
1,2-Dibromoethane	U		0.126	1.00
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

Method Blank (MB)

(MB) R4138131-2 10/22/24 05:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
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
1,2,3-Trichloropropane	U		0.237	2.50
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	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4138131-1 10/22/24 05:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	21.1	84.4	19.0-160	J
Acrolein	25.0	20.7	82.8	10.0-160	J
Acrylonitrile	25.0	22.1	88.4	55.0-149	
Benzene	5.00	4.68	93.6	70.0-123	
Bromobenzene	5.00	4.94	98.8	73.0-121	
Bromochloromethane	5.00	4.39	87.8	76.0-122	
Bromodichloromethane	5.00	5.11	102	75.0-120	
Bromoform	5.00	4.89	97.8	68.0-132	
Bromomethane	5.00	4.28	85.6	10.0-160	J
n-Butylbenzene	5.00	4.91	98.2	73.0-125	
sec-Butylbenzene	5.00	4.78	95.6	75.0-125	
tert-Butylbenzene	5.00	4.87	97.4	76.0-124	
Carbon disulfide	5.00	4.14	82.8	61.0-128	
Carbon tetrachloride	5.00	5.93	119	68.0-126	
Chlorobenzene	5.00	4.89	97.8	80.0-121	
Chlorodibromomethane	5.00	4.72	94.4	77.0-125	
Chloroethane	5.00	5.08	102	47.0-150	
Chloroform	5.00	5.15	103	73.0-120	
Chloromethane	5.00	4.27	85.4	41.0-142	
2-Chlorotoluene	5.00	5.36	107	76.0-123	
4-Chlorotoluene	5.00	5.32	106	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.40	88.0	58.0-134	J
1,2-Dibromoethane	5.00	4.22	84.4	80.0-122	
Dibromomethane	5.00	4.98	99.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.48	89.6	79.0-121	
1,3-Dichlorobenzene	5.00	4.58	91.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.51	90.2	79.0-120	
Dichlorodifluoromethane	5.00	5.57	111	51.0-149	
1,1-Dichloroethane	5.00	5.01	100	70.0-126	
1,2-Dichloroethane	5.00	5.88	118	70.0-128	
1,1-Dichloroethene	5.00	4.42	88.4	71.0-124	
cis-1,2-Dichloroethene	5.00	4.48	89.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.81	96.2	73.0-120	
1,2-Dichloropropane	5.00	4.08	81.6	77.0-125	
1,1-Dichloropropene	5.00	4.95	99.0	74.0-126	
1,3-Dichloropropane	5.00	4.68	93.6	80.0-120	
cis-1,3-Dichloropropene	5.00	4.41	88.2	80.0-123	
trans-1,3-Dichloropropene	5.00	5.15	103	78.0-124	
2,2-Dichloropropane	5.00	6.14	123	58.0-130	
Di-isopropyl ether	5.00	4.13	82.6	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R4138131-1 10/22/24 05:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.96	99.2	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.23	105	54.0-138	
Isopropylbenzene	5.00	5.03	101	76.0-127	
p-Isopropyltoluene	5.00	4.96	99.2	76.0-125	
2-Butanone (MEK)	25.0	21.5	86.0	44.0-160	
Methylene Chloride	5.00	4.48	89.6	67.0-120	J
4-Methyl-2-pentanone (MIBK)	25.0	22.9	91.6	68.0-142	
Methyl tert-butyl ether	5.00	4.82	96.4	68.0-125	
Naphthalene	5.00	2.93	58.6	54.0-135	J
n-Propylbenzene	5.00	5.02	100	77.0-124	
Styrene	5.00	4.45	89.0	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.03	101	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.46	89.2	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.89	97.8	69.0-132	
Tetrachloroethene	5.00	4.94	98.8	72.0-132	
Toluene	5.00	4.93	98.6	79.0-120	
1,2,3-Trichlorobenzene	5.00	3.53	70.6	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.57	71.4	57.0-137	
1,1,1-Trichloroethane	5.00	5.89	118	73.0-124	
1,1,2-Trichloroethane	5.00	4.53	90.6	80.0-120	
Trichloroethene	5.00	4.48	89.6	78.0-124	
Trichlorofluoromethane	5.00	6.02	120	59.0-147	
1,2,3-Trichloropropane	5.00	5.29	106	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.19	104	76.0-121	
1,2,3-Trimethylbenzene	5.00	5.22	104	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.24	105	76.0-122	
Vinyl chloride	5.00	4.01	80.2	67.0-131	
Xylenes, Total	15.0	14.2	94.7	79.0-123	
o-Xylene	5.00	4.57	91.4	80.0-122	
m&p-Xylene	10.0	9.62	96.2	80.0-122	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*126*	*70.0-130*	

Method Blank (MB)

(MB) R4138124-2 10/22/24 13:03

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
1,2-Dibromoethane	U		0.126	1.00
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

Method Blank (MB)

(MB) R4138124-2 10/22/24 13:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
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
1,2,3-Trichloropropane	U		0.237	2.50
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	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4138124-1 10/22/24 12:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.3	113	19.0-160	J
Acrolein	25.0	25.7	103	10.0-160	J
Acrylonitrile	25.0	29.8	119	55.0-149	
Benzene	5.00	4.64	92.8	70.0-123	
Bromobenzene	5.00	4.84	96.8	73.0-121	
Bromochloromethane	5.00	5.49	110	76.0-122	
Bromodichloromethane	5.00	4.58	91.6	75.0-120	
Bromoform	5.00	4.01	80.2	68.0-132	
Bromomethane	5.00	3.70	74.0	10.0-160	J
n-Butylbenzene	5.00	3.79	75.8	73.0-125	
sec-Butylbenzene	5.00	4.13	82.6	75.0-125	
tert-Butylbenzene	5.00	4.20	84.0	76.0-124	
Carbon disulfide	5.00	4.44	88.8	61.0-128	
Carbon tetrachloride	5.00	4.08	81.6	68.0-126	
Chlorobenzene	5.00	4.53	90.6	80.0-121	
Chlorodibromomethane	5.00	4.37	87.4	77.0-125	
Chloroethane	5.00	5.02	100	47.0-150	
Chloroform	5.00	4.55	91.0	73.0-120	J
Chloromethane	5.00	5.18	104	41.0-142	
2-Chlorotoluene	5.00	4.45	89.0	76.0-123	
4-Chlorotoluene	5.00	4.15	83.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.29	85.8	58.0-134	J
1,2-Dibromoethane	5.00	4.77	95.4	80.0-122	
Dibromomethane	5.00	4.38	87.6	80.0-120	
1,2-Dichlorobenzene	5.00	4.81	96.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.53	90.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.72	94.4	79.0-120	
Dichlorodifluoromethane	5.00	4.59	91.8	51.0-149	J
1,1-Dichloroethane	5.00	5.10	102	70.0-126	
1,2-Dichloroethane	5.00	4.54	90.8	70.0-128	
1,1-Dichloroethene	5.00	4.39	87.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.59	91.8	73.0-120	
trans-1,2-Dichloroethene	5.00	4.52	90.4	73.0-120	
1,2-Dichloropropane	5.00	4.81	96.2	77.0-125	
1,1-Dichloropropene	5.00	4.69	93.8	74.0-126	
1,3-Dichloropropane	5.00	4.83	96.6	80.0-120	
cis-1,3-Dichloropropene	5.00	4.05	81.0	80.0-123	
trans-1,3-Dichloropropene	5.00	4.22	84.4	78.0-124	
2,2-Dichloropropane	5.00	3.87	77.4	58.0-130	
Di-isopropyl ether	5.00	5.35	107	58.0-138	

Laboratory Control Sample (LCS)

(LCS) R4138124-1 10/22/24 12:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	4.13	82.6	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.03	101	54.0-138	
Isopropylbenzene	5.00	4.04	80.8	76.0-127	
p-Isopropyltoluene	5.00	4.26	85.2	76.0-125	
2-Butanone (MEK)	25.0	29.3	117	44.0-160	
Methylene Chloride	5.00	4.18	83.6	67.0-120	J
4-Methyl-2-pentanone (MIBK)	25.0	27.1	108	68.0-142	
Methyl tert-butyl ether	5.00	4.42	88.4	68.0-125	
Naphthalene	5.00	3.14	62.8	54.0-135	J
n-Propylbenzene	5.00	4.36	87.2	77.0-124	
Styrene	5.00	3.67	73.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.56	91.2	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.93	98.6	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	4.12	82.4	69.0-132	
Tetrachloroethene	5.00	4.89	97.8	72.0-132	
Toluene	5.00	4.63	92.6	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.76	95.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	3.81	76.2	57.0-137	
1,1,1-Trichloroethane	5.00	4.48	89.6	73.0-124	
1,1,2-Trichloroethane	5.00	5.28	106	80.0-120	
Trichloroethene	5.00	4.72	94.4	78.0-124	
Trichlorofluoromethane	5.00	4.69	93.8	59.0-147	J
1,2,3-Trichloropropane	5.00	4.93	98.6	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.14	82.8	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.29	85.8	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.35	87.0	76.0-122	
Vinyl chloride	5.00	4.81	96.2	67.0-131	
Xylenes, Total	15.0	12.4	82.7	79.0-123	
o-Xylene	5.00	4.36	87.2	80.0-122	
m&p-Xylene	10.0	8.02	80.2	80.0-122	
(S) Toluene-d8			*94.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*88.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*93.3*	*70.0-130*	

Method Blank (MB)

(MB) R4138867-3 10/22/24 08:35

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
1,2-Dibromoethane	U		0.126	1.00
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

Method Blank (MB)

(MB) R4138867-3 10/22/24 08:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
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
1,2,3-Trichloropropane	U		0.237	2.50
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	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R4138867-1 10/22/24 07:12 • (LCSD) R4138867-2 10/22/24 07:33

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	34.4	33.1	138	132	19.0-160	J	J	3.85	27
Acrolein	25.0	35.2	35.3	141	141	10.0-160	J	J	0.284	26
Acrylonitrile	25.0	33.4	32.6	134	130	55.0-149			2.42	20
Benzene	5.00	4.92	4.82	98.4	96.4	70.0-123			2.05	20
Bromobenzene	5.00	4.41	4.36	88.2	87.2	73.0-121			1.14	20
Bromochloromethane	5.00	5.62	5.55	112	111	76.0-122			1.25	20
Bromodichloromethane	5.00	4.59	4.52	91.8	90.4	75.0-120			1.54	20
Bromoform	5.00	4.41	4.31	88.2	86.2	68.0-132			2.29	20
Bromomethane	5.00	3.46	3.50	69.2	70.0	10.0-160	J	J	1.15	25
n-Butylbenzene	5.00	4.74	4.61	94.8	92.2	73.0-125			2.78	20
sec-Butylbenzene	5.00	4.84	4.76	96.8	95.2	75.0-125			1.67	20
tert-Butylbenzene	5.00	4.83	4.81	96.6	96.2	76.0-124			0.415	20
Carbon disulfide	5.00	4.32	4.22	86.4	84.4	61.0-128			2.34	20
Carbon tetrachloride	5.00	5.39	5.14	108	103	68.0-126			4.75	20
Chlorobenzene	5.00	5.18	5.08	104	102	80.0-121			1.95	20
Chlorodibromomethane	5.00	4.55	4.46	91.0	89.2	77.0-125			2.00	20
Chloroethane	5.00	5.50	5.61	110	112	47.0-150			1.98	20
Chloroform	5.00	4.75	4.76	95.0	95.2	73.0-120	J	J	0.210	20
Chloromethane	5.00	3.83	4.09	76.6	81.8	41.0-142			6.57	20
2-Chlorotoluene	5.00	4.60	4.66	92.0	93.2	76.0-123			1.30	20
4-Chlorotoluene	5.00	4.63	4.47	92.6	89.4	75.0-122			3.52	20
1,2-Dibromo-3-Chloropropane	5.00	5.48	5.42	110	108	58.0-134			1.10	20
1,2-Dibromoethane	5.00	4.97	4.82	99.4	96.4	80.0-122			3.06	20
Dibromomethane	5.00	5.15	4.89	103	97.8	80.0-120			5.18	20
1,2-Dichlorobenzene	5.00	4.77	4.74	95.4	94.8	79.0-121			0.631	20
1,3-Dichlorobenzene	5.00	4.75	4.64	95.0	92.8	79.0-120			2.34	20
1,4-Dichlorobenzene	5.00	4.75	4.69	95.0	93.8	79.0-120			1.27	20
Dichlorodifluoromethane	5.00	4.30	5.13	86.0	103	51.0-149	J		17.6	20
1,1-Dichloroethane	5.00	4.92	4.82	98.4	96.4	70.0-126			2.05	20
1,2-Dichloroethane	5.00	4.68	4.48	93.6	89.6	70.0-128			4.37	20
1,1-Dichloroethene	5.00	4.62	4.80	92.4	96.0	71.0-124			3.82	20
cis-1,2-Dichloroethene	5.00	4.96	4.79	99.2	95.8	73.0-120			3.49	20
trans-1,2-Dichloroethene	5.00	5.04	4.72	101	94.4	73.0-120			6.56	20
1,2-Dichloropropane	5.00	4.90	4.89	98.0	97.8	77.0-125			0.204	20
1,1-Dichloropropene	5.00	5.14	5.04	103	101	74.0-126			1.96	20
1,3-Dichloropropane	5.00	5.10	5.01	102	100	80.0-120			1.78	20
cis-1,3-Dichloropropene	5.00	4.64	4.58	92.8	91.6	80.0-123			1.30	20
trans-1,3-Dichloropropene	5.00	4.49	4.46	89.8	89.2	78.0-124			0.670	20
2,2-Dichloropropane	5.00	4.57	4.71	91.4	94.2	58.0-130			3.02	20
Di-isopropyl ether	5.00	4.85	4.74	97.0	94.8	58.0-138			2.29	20

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

(LCS) R4138867-1 10/22/24 07:12 • (LCSD) R4138867-2 10/22/24 07:33

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 %
Ethylbenzene	5.00	4.94	4.90	98.8	98.0	79.0-123			0.813	20
Hexachloro-1,3-butadiene	5.00	5.05	5.16	101	103	54.0-138			2.15	20
Isopropylbenzene	5.00	5.00	4.85	100	97.0	76.0-127			3.05	20
p-Isopropyltoluene	5.00	4.89	4.87	97.8	97.4	76.0-125			0.410	20
2-Butanone (MEK)	25.0	34.3	33.3	137	133	44.0-160			2.96	20
Methylene Chloride	5.00	4.87	4.78	97.4	95.6	67.0-120	J	J	1.87	20
4-Methyl-2-pentanone (MIBK)	25.0	31.2	30.4	125	122	68.0-142			2.60	20
Methyl tert-butyl ether	5.00	4.87	4.59	97.4	91.8	68.0-125			5.92	20
Naphthalene	5.00	5.00	4.99	100	99.8	54.0-135	J	J	0.200	20
n-Propylbenzene	5.00	4.57	4.63	91.4	92.6	77.0-124			1.30	20
Styrene	5.00	4.69	4.55	93.8	91.0	73.0-130			3.03	20
1,1,1,2-Tetrachloroethane	5.00	4.56	4.69	91.2	93.8	75.0-125			2.81	20
1,1,2,2-Tetrachloroethane	5.00	4.81	4.88	96.2	97.6	65.0-130			1.44	20
1,1,2-Trichlorotrifluoroethane	5.00	5.45	5.51	109	110	69.0-132			1.09	20
Tetrachloroethene	5.00	5.30	5.16	106	103	72.0-132			2.68	20
Toluene	5.00	5.22	5.07	104	101	79.0-120			2.92	20
1,2,3-Trichlorobenzene	5.00	4.54	4.67	90.8	93.4	50.0-138			2.82	20
1,2,4-Trichlorobenzene	5.00	4.61	4.51	92.2	90.2	57.0-137			2.19	20
1,1,1-Trichloroethane	5.00	4.65	4.68	93.0	93.6	73.0-124			0.643	20
1,1,2-Trichloroethane	5.00	4.65	4.64	93.0	92.8	80.0-120			0.215	20
Trichloroethene	5.00	5.83	5.62	117	112	78.0-124			3.67	20
Trichlorofluoromethane	5.00	5.13	5.15	103	103	59.0-147			0.389	20
1,2,3-Trichloropropane	5.00	5.42	5.19	108	104	73.0-130			4.34	20
1,2,4-Trimethylbenzene	5.00	4.81	4.71	96.2	94.2	76.0-121			2.10	20
1,2,3-Trimethylbenzene	5.00	4.74	4.62	94.8	92.4	77.0-120			2.56	20
1,3,5-Trimethylbenzene	5.00	4.64	4.68	92.8	93.6	76.0-122			0.858	20
Vinyl chloride	5.00	4.64	4.85	92.8	97.0	67.0-131			4.43	20
Xylenes, Total	15.0	14.8	14.8	98.7	98.7	79.0-123			0.000	20
o-Xylene	5.00	4.74	4.73	94.8	94.6	80.0-122			0.211	20
m&p-Xylene	10.0	10.1	10.1	101	101	80.0-122			0.000	20
(S) Toluene-d8				*107*	*108*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R4138676-3 10/23/24 09:27

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	0.191	J	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
1,2-Dibromoethane	U		0.126	1.00
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

Method Blank (MB)

(MB) R4138676-3 10/23/24 09:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
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
1,2,3-Trichloropropane	U		0.237	2.50
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	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*75.1*			*70.0-130*

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

(LCS) R4138676-1 10/23/24 08:29 • (LCSD) R4138676-2 10/23/24 08:48

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	25.8	26.3	103	105	19.0-160	J	J	1.92	27
Acrolein	25.0	5.24	3.85	21.0	15.4	10.0-160	J	J J3	30.6	26
Acrylonitrile	25.0	21.0	23.0	84.0	92.0	55.0-149			9.09	20
Benzene	5.00	4.65	4.56	93.0	91.2	70.0-123			1.95	20
Bromobenzene	5.00	5.57	6.19	111	124	73.0-121		J4	10.5	20
Bromochloromethane	5.00	5.20	5.17	104	103	76.0-122			0.579	20
Bromodichloromethane	5.00	4.23	4.39	84.6	87.8	75.0-120			3.71	20
Bromoform	5.00	5.08	4.93	102	98.6	68.0-132			3.00	20
Bromomethane	5.00	3.00	3.57	60.0	71.4	10.0-160	J	J	17.4	25
n-Butylbenzene	5.00	4.68	4.40	93.6	88.0	73.0-125			6.17	20
sec-Butylbenzene	5.00	5.21	5.20	104	104	75.0-125			0.192	20
tert-Butylbenzene	5.00	5.49	5.64	110	113	76.0-124			2.70	20
Carbon disulfide	5.00	4.48	5.37	89.6	107	61.0-128			18.1	20
Carbon tetrachloride	5.00	4.15	3.95	83.0	79.0	68.0-126			4.94	20
Chlorobenzene	5.00	5.23	5.59	105	112	80.0-121			6.65	20
Chlorodibromomethane	5.00	5.16	5.23	103	105	77.0-125			1.35	20
Chloroethane	5.00	3.15	3.59	63.0	71.8	47.0-150	J	J	13.1	20
Chloroform	5.00	4.65	4.35	93.0	87.0	73.0-120	J	J	6.67	20
Chloromethane	5.00	4.97	5.58	99.4	112	41.0-142			11.6	20
2-Chlorotoluene	5.00	5.20	5.77	104	115	76.0-123			10.4	20
4-Chlorotoluene	5.00	5.11	5.49	102	110	75.0-122			7.17	20
1,2-Dibromo-3-Chloropropane	5.00	5.21	5.05	104	101	58.0-134			3.12	20
1,2-Dibromoethane	5.00	5.51	5.72	110	114	80.0-122			3.74	20
Dibromomethane	5.00	4.30	5.05	86.0	101	80.0-120			16.0	20
1,2-Dichlorobenzene	5.00	5.16	5.61	103	112	79.0-121			8.36	20
1,3-Dichlorobenzene	5.00	5.45	5.89	109	118	79.0-120			7.76	20
1,4-Dichlorobenzene	5.00	4.89	5.55	97.8	111	79.0-120			12.6	20
Dichlorodifluoromethane	5.00	4.07	4.54	81.4	90.8	51.0-149	J	J	10.9	20
1,1-Dichloroethane	5.00	4.90	4.76	98.0	95.2	70.0-126			2.90	20
1,2-Dichloroethane	5.00	3.90	3.78	78.0	75.6	70.0-128			3.12	20
1,1-Dichloroethene	5.00	5.18	5.24	104	105	71.0-124			1.15	20
cis-1,2-Dichloroethene	5.00	5.24	5.14	105	103	73.0-120			1.93	20
trans-1,2-Dichloroethene	5.00	5.19	4.98	104	99.6	73.0-120			4.13	20
1,2-Dichloropropane	5.00	5.27	5.50	105	110	77.0-125			4.27	20
1,1-Dichloropropene	5.00	5.24	5.12	105	102	74.0-126			2.32	20
1,3-Dichloropropane	5.00	5.08	5.37	102	107	80.0-120			5.55	20
cis-1,3-Dichloropropene	5.00	4.73	5.05	94.6	101	80.0-123			6.54	20
trans-1,3-Dichloropropene	5.00	4.92	5.26	98.4	105	78.0-124			6.68	20
2,2-Dichloropropane	5.00	5.23	5.22	105	104	58.0-130			0.191	20
Di-isopropyl ether	5.00	4.72	4.57	94.4	91.4	58.0-138			3.23	20

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

(LCS) R4138676-1 10/23/24 08:29 • (LCSD) R4138676-2 10/23/24 08:48

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 %
Ethylbenzene	5.00	5.51	5.50	110	110	79.0-123			0.182	20
Hexachloro-1,3-butadiene	5.00	4.92	4.70	98.4	94.0	54.0-138			4.57	20
Isopropylbenzene	5.00	6.01	5.83	120	117	76.0-127			3.04	20
p-Isopropyltoluene	5.00	5.20	5.16	104	103	76.0-125			0.772	20
2-Butanone (MEK)	25.0	21.9	22.7	87.6	90.8	44.0-160			3.59	20
Methylene Chloride	5.00	4.62	4.69	92.4	93.8	67.0-120	J	J	1.50	20
4-Methyl-2-pentanone (MIBK)	25.0	29.3	27.7	117	111	68.0-142			5.61	20
Methyl tert-butyl ether	5.00	4.20	4.21	84.0	84.2	68.0-125			0.238	20
Naphthalene	5.00	5.21	5.65	104	113	54.0-135			8.10	20
n-Propylbenzene	5.00	5.11	5.23	102	105	77.0-124			2.32	20
Styrene	5.00	4.94	4.88	98.8	97.6	73.0-130			1.22	20
1,1,1,2-Tetrachloroethane	5.00	5.27	5.08	105	102	75.0-125			3.67	20
1,1,2,2-Tetrachloroethane	5.00	5.00	5.22	100	104	65.0-130			4.31	20
1,1,2-Trichlorotrifluoroethane	5.00	4.58	4.36	91.6	87.2	69.0-132			4.92	20
Tetrachloroethene	5.00	6.58	6.41	132	128	72.0-132			2.62	20
Toluene	5.00	5.05	5.32	101	106	79.0-120			5.21	20
1,2,3-Trichlorobenzene	5.00	5.13	5.87	103	117	50.0-138			13.5	20
1,2,4-Trichlorobenzene	5.00	5.31	5.70	106	114	57.0-137			7.08	20
1,1,1-Trichloroethane	5.00	4.98	4.89	99.6	97.8	73.0-124			1.82	20
1,1,2-Trichloroethane	5.00	5.37	5.39	107	108	80.0-120			0.372	20
Trichloroethene	5.00	5.84	5.84	117	117	78.0-124			0.000	20
Trichlorofluoromethane	5.00	3.40	3.71	68.0	74.2	59.0-147	J	J	8.72	20
1,2,3-Trichloropropane	5.00	5.08	5.36	102	107	73.0-130			5.36	20
1,2,4-Trimethylbenzene	5.00	5.18	5.48	104	110	76.0-121			5.63	20
1,2,3-Trimethylbenzene	5.00	4.90	5.15	98.0	103	77.0-120			4.98	20
1,3,5-Trimethylbenzene	5.00	5.05	5.58	101	112	76.0-122			9.97	20
Vinyl chloride	5.00	3.41	3.83	68.2	76.6	67.0-131			11.6	20
Xylenes, Total	15.0	16.1	16.4	107	109	79.0-123			1.85	20
o-Xylene	5.00	5.20	5.39	104	108	80.0-122			3.59	20
m&p-Xylene	10.0	10.9	11.0	109	110	80.0-122			0.913	20
(S) Toluene-d8				*102*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.5*	*99.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*79.6*	*78.9*	*70.0-130*				

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/23/24 10:56 • (MS) R4138676-4 10/23/24 17:41 • (MSD) R4138676-5 10/23/24 18:00

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	19.6	23.1	78.4	92.4	1	10.0-160			16.4	35
Acrolein	25.0	U	U	4.09	0.000	16.4	1	10.0-160	J6	J J3	200	39
Acrylonitrile	25.0	U	23.1	26.6	92.4	106	1	21.0-160			14.1	32
Benzene	5.00	U	5.75	5.77	115	115	1	17.0-158			0.347	27
Bromobenzene	5.00	U	6.85	6.88	137	138	1	30.0-149			0.437	28
Bromochloromethane	5.00	U	5.74	5.82	115	116	1	38.0-142			1.38	26
Bromodichloromethane	5.00	U	5.59	5.53	112	111	1	31.0-150			1.08	27
Bromoform	5.00	U	6.00	5.88	120	118	1	29.0-150			2.02	29
Bromomethane	5.00	U	4.25	4.16	85.0	83.2	1	10.0-160			2.14	38
n-Butylbenzene	5.00	U	5.79	5.62	116	112	1	31.0-150			2.98	30
sec-Butylbenzene	5.00	U	6.99	6.93	140	139	1	33.0-155			0.862	29
tert-Butylbenzene	5.00	U	7.05	7.01	141	140	1	34.0-153			0.569	28
Carbon disulfide	5.00	0.347	6.61	6.67	125	126	1	10.0-156			0.904	28
Carbon tetrachloride	5.00	U	6.01	5.76	120	115	1	23.0-159			4.25	28
Chlorobenzene	5.00	U	6.52	6.61	130	132	1	33.0-152			1.37	27
Chlorodibromomethane	5.00	U	6.17	6.32	123	126	1	37.0-149			2.40	27
Chloroethane	5.00	U	4.87	4.77	97.4	95.4	1	10.0-160			2.07	30
Chloroform	5.00	U	5.41	5.42	108	108	1	29.0-154			0.185	28
Chloromethane	5.00	U	8.44	7.32	169	146	1	10.0-160	J5		14.2	29
2-Chlorotoluene	5.00	U	6.49	6.67	130	133	1	32.0-153			2.74	28
4-Chlorotoluene	5.00	U	6.25	6.23	125	125	1	32.0-150			0.321	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.16	5.61	103	112	1	22.0-151			8.36	34
1,2-Dibromoethane	5.00	U	6.32	6.45	126	129	1	34.0-147			2.04	27
Dibromomethane	5.00	U	5.04	5.14	101	103	1	30.0-151			1.96	27
1,2-Dichlorobenzene	5.00	U	5.64	6.14	113	123	1	34.0-149			8.49	28
1,3-Dichlorobenzene	5.00	U	6.43	6.46	129	129	1	36.0-146			0.465	27
1,4-Dichlorobenzene	5.00	U	5.79	5.91	116	118	1	35.0-142			2.05	27
Dichlorodifluoromethane	5.00	U	7.11	6.90	142	138	1	10.0-160			3.00	29
1,1-Dichloroethane	5.00	U	5.46	5.66	109	113	1	25.0-158			3.60	27
1,2-Dichloroethane	5.00	0.137	4.73	4.66	91.9	90.5	1	29.0-151			1.49	27
1,1-Dichloroethene	5.00	U	7.59	7.58	152	152	1	11.0-160			0.132	29
cis-1,2-Dichloroethene	5.00	0.306	6.03	5.98	114	113	1	10.0-160			0.833	27
trans-1,2-Dichloroethene	5.00	U	5.29	5.78	106	116	1	17.0-153			8.85	27
1,2-Dichloropropane	5.00	U	6.42	6.55	128	131	1	30.0-156			2.00	27
1,1-Dichloropropene	5.00	U	6.44	6.77	129	135	1	25.0-158			5.00	27
1,3-Dichloropropane	5.00	U	6.17	6.22	123	124	1	38.0-147			0.807	27
cis-1,3-Dichloropropene	5.00	U	5.32	5.04	106	101	1	34.0-149			5.41	28
trans-1,3-Dichloropropene	5.00	U	5.59	5.31	112	106	1	32.0-149			5.14	28
2,2-Dichloropropane	5.00	U	5.28	5.35	106	107	1	24.0-152			1.32	29
Di-isopropyl ether	5.00	U	6.00	5.87	120	117	1	21.0-160			2.19	28

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/23/24 10:56 • (MS) R4138676-4 10/23/24 17:41 • (MSD) R4138676-5 10/23/24 18:00

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 %
Ethylbenzene	5.00	U	6.73	6.68	135	134	1	30.0-155			0.746	27
Hexachloro-1,3-butadiene	5.00	U	5.85	6.36	117	127	1	20.0-154			8.35	34
Isopropylbenzene	5.00	U	7.33	7.39	147	148	1	28.0-157			0.815	27
p-Isopropyltoluene	5.00	U	6.76	6.70	135	134	1	30.0-154			0.892	29
2-Butanone (MEK)	25.0	U	21.9	23.0	87.6	92.0	1	10.0-160			4.90	32
Methylene Chloride	5.00	U	5.81	6.39	116	128	1	23.0-144			9.51	28
4-Methyl-2-pentanone (MIBK)	25.0	U	30.2	30.9	121	124	1	29.0-160			2.29	29
Methyl tert-butyl ether	5.00	U	3.88	4.31	77.6	86.2	1	28.0-150			10.5	29
Naphthalene	5.00	U	5.15	5.77	103	115	1	12.0-156			11.4	35
n-Propylbenzene	5.00	U	6.42	6.35	128	127	1	31.0-154			1.10	28
Styrene	5.00	U	5.67	5.68	113	114	1	33.0-155			0.176	28
1,1,1,2-Tetrachloroethane	5.00	U	6.14	6.12	123	122	1	36.0-151			0.326	29
1,1,2,2-Tetrachloroethane	5.00	U	5.39	5.57	108	111	1	33.0-150			3.28	28
1,1,2-Trichlorotrifluoroethane	5.00	U	6.28	7.08	126	142	1	23.0-160			12.0	30
Tetrachloroethene	5.00	U	8.35	8.42	167	168	1	10.0-160	J5	J5	0.835	27
Toluene	5.00	U	6.43	6.43	129	129	1	26.0-154			0.000	28
1,2,3-Trichlorobenzene	5.00	U	5.88	6.29	118	126	1	17.0-150			6.74	36
1,2,4-Trichlorobenzene	5.00	U	5.82	6.10	116	122	1	24.0-150			4.70	33
1,1,1-Trichloroethane	5.00	U	6.33	6.42	127	128	1	23.0-160			1.41	28
1,1,2-Trichloroethane	5.00	U	6.38	6.66	128	133	1	35.0-147			4.29	27
Trichloroethene	5.00	0.753	7.50	7.29	135	131	1	10.0-160			2.84	25
Trichlorofluoromethane	5.00	U	5.99	5.68	120	114	1	17.0-160			5.31	31
1,2,3-Trichloropropane	5.00	U	5.50	5.47	110	109	1	34.0-151			0.547	29
1,2,4-Trimethylbenzene	5.00	U	6.15	6.20	123	124	1	26.0-154			0.810	27
1,2,3-Trimethylbenzene	5.00	U	5.66	5.79	113	116	1	32.0-149			2.27	28
1,3,5-Trimethylbenzene	5.00	U	6.31	6.33	126	127	1	28.0-153			0.316	27
Vinyl chloride	5.00	U	5.29	5.46	106	109	1	10.0-160			3.16	27
Xylenes, Total	15.0	U	19.2	19.4	128	129	1	29.0-154			1.04	28
o-Xylene	5.00	U	6.06	6.32	121	126	1	45.0-144			4.20	26
m&p-Xylene	10.0	U	13.1	13.1	131	131	1	43.0-146			0.000	26
(S) Toluene-d8					*101*	*102*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.1*	*96.2*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*75.4*	*74.5*		*70.0-130*				

Method Blank (MB)

(MB) R4138509-2 10/27/24 07:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*

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

(LCS) R4138509-1 10/27/24 06:05 • (LCSD) R4138509-3 10/27/24 09:12

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	%	%	%			%	%
Benzene	5.00	5.33	5.51	107	110	70.0-123			3.32	20
(S) Toluene-d8				*99.5*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.3*	*99.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.6*	*97.2*	*70.0-130*				

Method Blank (MB)

(MB) R4139537-3 10/29/24 17:02

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
1,2-Dibromoethane	U		0.126	1.00
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

Method Blank (MB)

(MB) R4139537-3 10/29/24 17:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
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
1,2,3-Trichloropropane	U		0.237	2.50
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	*118*			*80.0-120*
(S) 4-Bromofluorobenzene	*112*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*

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

(LCS) R4139537-1 10/29/24 15:55 • (LCSD) R4139537-2 10/29/24 16:19

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	23.5	22.5	94.0	90.0	19.0-160	J	J	4.35	27
Acrolein	25.0	13.3	12.1	53.2	48.4	10.0-160	J	J	9.45	26
Acrylonitrile	25.0	21.5	21.4	86.0	85.6	55.0-149			0.466	20
Benzene	5.00	4.13	4.03	82.6	80.6	70.0-123			2.45	20
Bromobenzene	5.00	3.98	4.09	79.6	81.8	73.0-121			2.73	20
Bromochloromethane	5.00	5.06	4.76	101	95.2	76.0-122			6.11	20
Bromodichloromethane	5.00	4.09	4.21	81.8	84.2	75.0-120			2.89	20
Bromoform	5.00	4.41	4.27	88.2	85.4	68.0-132			3.23	20
Bromomethane	5.00	4.23	3.45	84.6	69.0	10.0-160	J	J	20.3	25
n-Butylbenzene	5.00	4.07	3.67	81.4	73.4	73.0-125			10.3	20
sec-Butylbenzene	5.00	4.13	3.99	82.6	79.8	75.0-125			3.45	20
tert-Butylbenzene	5.00	4.12	3.95	82.4	79.0	76.0-124			4.21	20
Carbon disulfide	5.00	3.59	3.11	71.8	62.2	61.0-128			14.3	20
Carbon tetrachloride	5.00	4.75	4.49	95.0	89.8	68.0-126			5.63	20
Chlorobenzene	5.00	4.55	4.64	91.0	92.8	80.0-121			1.96	20
Chlorodibromomethane	5.00	4.55	4.38	91.0	87.6	77.0-125			3.81	20
Chloroethane	5.00	4.06	4.24	81.2	84.8	47.0-150	J	J	4.34	20
Chloroform	5.00	4.61	4.31	92.2	86.2	73.0-120	J	J	6.73	20
Chloromethane	5.00	4.94	4.41	98.8	88.2	41.0-142			11.3	20
2-Chlorotoluene	5.00	4.02	4.15	80.4	83.0	76.0-123			3.18	20
4-Chlorotoluene	5.00	3.83	4.04	76.6	80.8	75.0-122			5.34	20
1,2-Dibromo-3-Chloropropane	5.00	4.93	4.95	98.6	99.0	58.0-134	J	J	0.405	20
1,2-Dibromoethane	5.00	4.52	4.51	90.4	90.2	80.0-122			0.221	20
Dibromomethane	5.00	4.88	4.32	97.6	86.4	80.0-120			12.2	20
1,2-Dichlorobenzene	5.00	4.26	4.53	85.2	90.6	79.0-121			6.14	20
1,3-Dichlorobenzene	5.00	4.16	4.17	83.2	83.4	79.0-120			0.240	20
1,4-Dichlorobenzene	5.00	4.00	4.19	80.0	83.8	79.0-120			4.64	20
Dichlorodifluoromethane	5.00	5.74	5.42	115	108	51.0-149			5.73	20
1,1-Dichloroethane	5.00	4.83	4.44	96.6	88.8	70.0-126			8.41	20
1,2-Dichloroethane	5.00	4.87	4.87	97.4	97.4	70.0-128			0.000	20
1,1-Dichloroethene	5.00	4.34	3.89	86.8	77.8	71.0-124			10.9	20
cis-1,2-Dichloroethene	5.00	4.27	4.21	85.4	84.2	73.0-120			1.42	20
trans-1,2-Dichloroethene	5.00	4.56	4.20	91.2	84.0	73.0-120			8.22	20
1,2-Dichloropropane	5.00	4.36	4.20	87.2	84.0	77.0-125			3.74	20
1,1-Dichloropropene	5.00	4.61	4.02	92.2	80.4	74.0-126			13.7	20
1,3-Dichloropropane	5.00	4.70	4.52	94.0	90.4	80.0-120			3.90	20
cis-1,3-Dichloropropene	5.00	4.27	4.19	85.4	83.8	80.0-123			1.89	20
trans-1,3-Dichloropropene	5.00	4.75	4.65	95.0	93.0	78.0-124			2.13	20
2,2-Dichloropropane	5.00	4.68	4.77	93.6	95.4	58.0-130			1.90	20
Di-isopropyl ether	5.00	3.84	3.70	76.8	74.0	58.0-138			3.71	20

QUALITY CONTROL SUMMARY

L1788583-05,15

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

(LCS) R4139537-1 10/29/24 15:55 • (LCSD) R4139537-2 10/29/24 16:19

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 %
Ethylbenzene	5.00	4.26	4.22	85.2	84.4	79.0-123			0.943	20
Hexachloro-1,3-butadiene	5.00	5.42	4.66	108	93.2	54.0-138			15.1	20
Isopropylbenzene	5.00	4.16	4.21	83.2	84.2	76.0-127			1.19	20
p-Isopropyltoluene	5.00	4.26	4.11	85.2	82.2	76.0-125			3.58	20
2-Butanone (MEK)	25.0	19.1	21.4	76.4	85.6	44.0-160			11.4	20
Methylene Chloride	5.00	4.47	4.24	89.4	84.8	67.0-120	J	J	5.28	20
4-Methyl-2-pentanone (MIBK)	25.0	22.4	21.4	89.6	85.6	68.0-142			4.57	20
Methyl tert-butyl ether	5.00	4.48	4.37	89.6	87.4	68.0-125			2.49	20
Naphthalene	5.00	4.18	4.32	83.6	86.4	54.0-135	J	J	3.29	20
n-Propylbenzene	5.00	3.92	3.96	78.4	79.2	77.0-124			1.02	20
Styrene	5.00	4.11	4.20	82.2	84.0	73.0-130			2.17	20
1,1,1,2-Tetrachloroethane	5.00	4.39	4.28	87.8	85.6	75.0-125			2.54	20
1,1,2,2-Tetrachloroethane	5.00	4.12	4.03	82.4	80.6	65.0-130			2.21	20
1,1,2-Trichlorotrifluoroethane	5.00	4.56	4.25	91.2	85.0	69.0-132			7.04	20
Tetrachloroethene	5.00	4.77	4.41	95.4	88.2	72.0-132			7.84	20
Toluene	5.00	4.39	4.12	87.8	82.4	79.0-120			6.35	20
1,2,3-Trichlorobenzene	5.00	4.97	4.79	99.4	95.8	50.0-138			3.69	20
1,2,4-Trichlorobenzene	5.00	4.64	4.50	92.8	90.0	57.0-137			3.06	20
1,1,1-Trichloroethane	5.00	4.62	4.27	92.4	85.4	73.0-124			7.87	20
1,1,2-Trichloroethane	5.00	4.53	4.31	90.6	86.2	80.0-120			4.98	20
Trichloroethene	5.00	4.08	4.10	81.6	82.0	78.0-124			0.489	20
Trichlorofluoromethane	5.00	6.16	5.43	123	109	59.0-147			12.6	20
1,2,3-Trichloropropane	5.00	4.64	4.36	92.8	87.2	73.0-130			6.22	20
1,2,4-Trimethylbenzene	5.00	3.86	3.96	77.2	79.2	76.0-121			2.56	20
1,2,3-Trimethylbenzene	5.00	4.10	3.97	82.0	79.4	77.0-120			3.22	20
1,3,5-Trimethylbenzene	5.00	4.09	4.05	81.8	81.0	76.0-122			0.983	20
Vinyl chloride	5.00	4.59	4.16	91.8	83.2	67.0-131			9.83	20
Xylenes, Total	15.0	12.4	12.8	82.7	85.3	79.0-123			3.17	20
o-Xylene	5.00	4.03	4.17	80.6	83.4	80.0-122			3.41	20
m&p-Xylene	10.0	8.35	8.60	83.5	86.0	80.0-122			2.95	20
(S) Toluene-d8				*113*	*114*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*111*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*122*	*118*	*70.0-130*				

Method Blank (MB)

(MB) R4134835-1 10/17/24 16:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
AK102 DRO C10-C25	U		170	800
(S) o-Terphenyl	*90.0*			*60.0-120*

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

(LCS) R4134835-2 10/17/24 16:36 • (LCSD) R4134835-3 10/17/24 16:56

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	5510	5120	91.8	85.3	75.0-125			7.34	20
(S) o-Terphenyl				*120*	*107*	*60.0-120*				

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/21/24 10:47 • (MS) R4135418-1 10/21/24 11:08 • (MSD) R4135418-2 10/21/24 11:28

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	6320	U	5660	5650	89.6	89.4	1.05	75.0-125			0.177	20
(S) o-Terphenyl					*113*	*110*		*50.0-150*				

Method Blank (MB)

(MB) R4136353-1 10/22/24 14:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
AK102 DRO C10-C25	473	J	170	800
(S) o-Terphenyl	*67.5*			*60.0-120*

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

(LCS) R4136353-2 10/22/24 15:07 • (LCSD) R4136353-3 10/22/24 15:28

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	5810	5860	96.8	97.7	75.0-125			0.857	20
(S) o-Terphenyl				*87.5*	*92.9*	*60.0-120*				

Method Blank (MB)

(MB) R4137412-1 10/24/24 13:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
AK102 DRO C10-C25	U		170	800
(S) o-Terphenyl	*112*			*60.0-120*

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

(LCS) R4137412-2 10/24/24 14:18 • (LCSD) R4137412-3 10/24/24 14:38

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	4920	4810	82.0	80.2	75.0-125			2.26	20
(S) o-Terphenyl				*111*	*107*	*60.0-120*				

L1788891-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788891-06 10/24/24 16:19 • (MS) R4137412-6 10/24/24 16:39 • (MSD) R4137412-7 10/24/24 16:59

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	6320	U	5640	5200	89.2	82.3	1.05	75.0-125			8.12	20
(S) o-Terphenyl					*106*	*102*		*50.0-150*				

Method Blank (MB)

(MB) R4133740-2 10/15/24 02:24

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0170	0.0500
Benzo(a)anthracene	U		0.0200	0.0500
Benzo(a)pyrene	U		0.0180	0.0500
Benzo(b)fluoranthene	U		0.0170	0.0500
Benzo(g,h,i)perylene	U		0.0180	0.0500
Benzo(k)fluoranthene	U		0.0200	0.250
Chrysene	U		0.0180	0.0500
Dibenz(a,h)anthracene	U		0.0180	0.0500
Fluoranthene	U		0.0110	0.0500
Fluorene	U		0.0170	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0180	0.0500
Naphthalene	U		0.128	0.500
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0170	0.0500
1-Methylnaphthalene	U		0.0200	0.500
2-Methylnaphthalene	U		0.0280	0.500
2-Chloronaphthalene	U		0.0120	0.500
(S) Nitrobenzene-d5	*94.5*			*11.0-135*
(S) 2-Fluorobiphenyl	*95.0*			*32.0-120*
(S) p-Terphenyl-d14	*99.0*			*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R4133740-1 10/15/24 02:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	1.68	84.0	43.0-127	
Acenaphthene	2.00	1.65	82.5	42.0-120	
Acenaphthylene	2.00	1.72	86.0	43.0-120	
Benzo(a)anthracene	2.00	1.70	85.0	46.0-120	
Benzo(a)pyrene	2.00	1.67	83.5	44.0-122	
Benzo(b)fluoranthene	2.00	1.83	91.5	43.0-122	
Benzo(g,h,i)perylene	2.00	1.73	86.5	25.0-137	
Benzo(k)fluoranthene	2.00	1.75	87.5	39.0-128	
Chrysene	2.00	1.81	90.5	42.0-129	
Dibenz(a,h)anthracene	2.00	1.71	85.5	25.0-139	
Fluoranthene	2.00	1.81	90.5	48.0-131	

Laboratory Control Sample (LCS)

(LCS) R4133740-1 10/15/24 02:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	2.00	1.84	92.0	42.0-120	
Indeno(1,2,3-cd)pyrene	2.00	1.72	86.0	37.0-133	
Naphthalene	2.00	1.71	85.5	30.0-120	
Phenanthrene	2.00	1.77	88.5	42.0-120	
Pyrene	2.00	1.73	86.5	38.0-124	
1-Methylnaphthalene	2.00	1.81	90.5	43.0-120	
2-Methylnaphthalene	2.00	1.77	88.5	40.0-120	
2-Chloronaphthalene	2.00	1.73	86.5	39.0-120	
(S) Nitrobenzene-d5			*92.5*	*11.0-135*	
(S) 2-Fluorobiphenyl			*93.5*	*32.0-120*	
(S) p-Terphenyl-d14			*94.5*	*23.0-122*	

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/15/24 10:06 • (MS) R4133740-3 10/15/24 10:24 • (MSD) R4133740-4 10/15/24 10:42

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 %
Anthracene	2.27	U	1.84	1.36	81.1	68.0	1.14	28.0-120		J3	30.0	25
Acenaphthene	2.27	U	1.89	1.44	83.3	72.0	1.14	16.0-120		J3	27.0	25
Acenaphthylene	2.27	U	1.97	1.49	86.8	74.5	1.14	16.0-121		J3	27.7	26
Benzo(a)anthracene	2.27	U	1.62	1.03	71.4	51.5	1.14	19.0-125		J3	44.5	26
Benzo(a)pyrene	2.27	U	1.37	0.743	60.4	37.1	1.14	10.0-126		J3	59.3	32
Benzo(b)fluoranthene	2.27	U	1.46	0.811	64.3	40.5	1.14	10.0-125		J3	57.2	36
Benzo(g,h,i)perylene	2.27	U	0.906	0.374	39.9	18.7	1.14	10.0-128		J3	83.1	37
Benzo(k)fluoranthene	2.27	U	1.42	0.758	62.6	37.9	1.14	10.0-124		J3	60.8	32
Chrysene	2.27	U	1.77	1.13	78.0	56.5	1.14	18.0-127		J3	44.1	26
Dibenz(a,h)anthracene	2.27	U	0.824	0.323	36.3	16.1	1.14	10.0-132		J3	87.4	43
Fluoranthene	2.27	U	2.00	1.44	88.1	72.0	1.14	37.0-122		J3	32.6	23
Fluorene	2.27	U	2.13	1.60	93.8	80.0	1.14	20.0-120		J3	28.4	26
Indeno(1,2,3-cd)pyrene	2.27	U	0.885	0.338	39.0	16.9	1.14	10.0-130		J3	89.5	38
Naphthalene	2.27	U	1.98	1.51	87.2	75.5	1.14	14.0-120		J3	26.9	20
Phenanthrene	2.27	U	2.01	1.50	88.5	75.0	1.14	26.0-120		J3	29.1	24
Pyrene	2.27	U	1.99	1.45	87.7	72.5	1.14	29.0-120		J3	31.4	24
1-Methylnaphthalene	2.27	U	2.10	1.58	92.5	79.0	1.14	10.0-145		J3	28.3	24
2-Methylnaphthalene	2.27	U	2.02	1.53	89.0	76.5	1.14	10.0-143		J3	27.6	24
2-Chloronaphthalene	2.27	U	1.95	1.47	85.9	73.5	1.14	16.0-120		J3	28.1	25
(S) Nitrobenzene-d5					*94.7*	*82.5*		*11.0-135*				
(S) 2-Fluorobiphenyl					*93.0*	*79.0*		*32.0-120*				
(S) p-Terphenyl-d14					*80.2*	*58.5*		*23.0-122*				

L1788583-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1788583-02 10/15/24 10:06 • (MS) R4133740-3 10/15/24 10:24 • (MSD) R4133740-4 10/15/24 10:42

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 %

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

Method Blank (MB)

(MB) R4134362-2 10/17/24 02:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	0.0208	J	0.0190	0.0500
Acenaphthylene	0.0177	J	0.0170	0.0500
Benzo(a)anthracene	0.0215	J	0.0200	0.0500
Benzo(a)pyrene	U		0.0180	0.0500
Benzo(b)fluoranthene	U		0.0170	0.0500
Benzo(g,h,i)perylene	U		0.0180	0.0500
Benzo(k)fluoranthene	U		0.0200	0.250
Chrysene	0.0217	J	0.0180	0.0500
Dibenz(a,h)anthracene	U		0.0180	0.0500
Fluoranthene	0.0216	J	0.0110	0.0500
Fluorene	0.0185	J	0.0170	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0180	0.0500
Naphthalene	U		0.128	0.500
Phenanthrene	0.0271	J	0.0180	0.0500
Pyrene	0.0243	J	0.0170	0.0500
1-Methylnaphthalene	0.0288	J	0.0200	0.500
2-Methylnaphthalene	0.0322	J	0.0280	0.500
2-Chloronaphthalene	0.0144	J	0.0120	0.500
(S) Nitrobenzene-d5	*75.0*			*11.0-135*
(S) 2-Fluorobiphenyl	*73.0*			*32.0-120*
(S) p-Terphenyl-d14	*71.5*			*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R4134362-1 10/17/24 02:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	1.80	90.0	43.0-127	
Acenaphthene	2.00	1.65	82.5	42.0-120	
Acenaphthylene	2.00	1.77	88.5	43.0-120	
Benzo(a)anthracene	2.00	1.86	93.0	46.0-120	
Benzo(a)pyrene	2.00	1.69	84.5	44.0-122	
Benzo(b)fluoranthene	2.00	1.73	86.5	43.0-122	
Benzo(g,h,i)perylene	2.00	1.41	70.5	25.0-137	
Benzo(k)fluoranthene	2.00	1.64	82.0	39.0-128	
Chrysene	2.00	1.95	97.5	42.0-129	
Dibenz(a,h)anthracene	2.00	1.36	68.0	25.0-139	
Fluoranthene	2.00	1.99	99.5	48.0-131	

Laboratory Control Sample (LCS)

(LCS) R4134362-1 10/17/24 02:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	2.00	1.83	91.5	42.0-120	
Indeno(1,2,3-cd)pyrene	2.00	1.47	73.5	37.0-133	
Naphthalene	2.00	1.69	84.5	30.0-120	
Phenanthrene	2.00	1.84	92.0	42.0-120	
Pyrene	2.00	2.02	101	38.0-124	
1-Methylnaphthalene	2.00	1.81	90.5	43.0-120	
2-Methylnaphthalene	2.00	1.70	85.0	40.0-120	
2-Chloronaphthalene	2.00	1.59	79.5	39.0-120	
(S) Nitrobenzene-d5			*95.0*	*11.0-135*	
(S) 2-Fluorobiphenyl			*92.5*	*32.0-120*	
(S) p-Terphenyl-d14			*101*	*23.0-122*	

L1777862-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1777862-06 10/17/24 02:54 • (MS) R4134362-3 10/17/24 03:11 • (MSD) R4134362-4 10/17/24 03:28

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 %
Anthracene	2.00	U	1.58	1.71	79.0	83.8	1	28.0-120			7.90	25
Acenaphthene	2.00	U	1.49	1.65	74.5	80.9	1	16.0-120			10.2	25
Acenaphthylene	2.00	U	1.63	1.81	81.5	88.7	1	16.0-121			10.5	26
Benzo(a)anthracene	2.00	U	1.10	1.20	55.0	58.8	1	19.0-125			8.70	26
Benzo(a)pyrene	2.00	U	0.723	0.834	36.1	40.9	1	10.0-126			14.3	32
Benzo(b)fluoranthene	2.00	U	0.730	0.803	36.5	39.4	1	10.0-125			9.52	36
Benzo(g,h,i)perylene	2.00	U	0.303	0.379	15.2	18.6	1	10.0-128			22.3	37
Benzo(k)fluoranthene	2.00	U	0.698	0.831	34.9	40.7	1	10.0-124			17.4	32
Chrysene	2.00	U	1.23	1.31	61.5	64.2	1	18.0-127			6.30	26
Dibenz(a,h)anthracene	2.00	U	0.282	0.368	14.1	18.0	1	10.0-132			26.5	43
Fluoranthene	2.00	0.0115	1.49	1.69	73.9	82.3	1	37.0-122			12.6	23
Fluorene	2.00	U	1.59	1.77	79.5	86.8	1	20.0-120			10.7	26
Indeno(1,2,3-cd)pyrene	2.00	U	0.295	0.362	14.7	17.7	1	10.0-130			20.4	38
Naphthalene	2.00	U	1.57	1.71	78.5	83.8	1	14.0-120			8.54	20
Phenanthrene	2.00	U	1.63	1.83	81.5	89.7	1	26.0-120			11.6	24
Pyrene	2.00	U	1.53	1.72	76.5	84.3	1	29.0-120			11.7	24
1-Methylnaphthalene	2.00	U	1.67	1.87	83.5	91.7	1	10.0-145			11.3	24
2-Methylnaphthalene	2.00	U	1.57	1.74	78.5	85.3	1	10.0-143			10.3	24
2-Chloronaphthalene	2.00	U	1.41	1.56	70.5	76.5	1	16.0-120			10.1	25
(S) Nitrobenzene-d5					*75.0*	*81.4*		*11.0-135*				
(S) 2-Fluorobiphenyl					*80.0*	*88.7*		*32.0-120*				
(S) p-Terphenyl-d14					*62.5*	*66.2*		*23.0-122*				

L1777862-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1777862-06 10/17/24 02:54 • (MS) R4134362-3 10/17/24 03:11 • (MSD) R4134362-4 10/17/24 03:28

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 %

Sample Narrative:

OS: Duplicate Analysis performed due to missed MS/MSD. Reporting both sets of data.

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.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.

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:
Skip Robinson/Kim Kroenke

Email To:
kimberly.kroenke@arcadis.com;Gerald.Robinso

Project Description:
306450

City/State Collected: Anchorage, AK

Please Circle: PT MT CT ET

Phone: 907-276-8095

Client Project #
30064225.19.45

Lab Project #
CHEVARCAK-306450

Collected by (print):
E. Wojcik

Site/Facility ID #
4351 W. ITNL AIRPORT RD

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 100ml Amb HCl	EDB/123TCP V524LL 40mlAmb-HCl	FF Diss Lead 6010 250mlHDPE HNO3	PAHs 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-5 -W- 20241010	Grab	GW	-	10.10.24	1000	15	X	X	X	X	X	X	X	Cooler 4	-01
MW-5A -W- 20241007		GW	-	10.9.24	0830	45	X	X	X	X	X	X	X	MS/MSD Cooler 2	-02
MW-7 -W- 20241010		GW	-	10.10.24	1130	15	X	X	X	X	X	X	X	Cooler 1	-03
MW-7A -W- 20241010		GW	-	10.10.24	0745 1045	15	X	X	X	X	X	X	X	Cooler 1	-04
MW-9 -W- 20241009		GW	-	10.9.24	0745	15	X	X	X	X	X	X	X	Cooler 5	-05
MW-9D -W- 20241009		GW	-	10.9.24	1130	15	X	X	X	X	X	X	X	Cooler 1	-06
MW-10 -W- 20241009		GW	-	10.9.24	0700	15	X	X	X	X	X	X	X	Cooler 4	-07
MW-11 -W- 20241009		GW	-	10.9.24	0915	15	X	X	X	X	X	X	X	Cooler 5	-08
MW-12 -W- 20241009		GW	-	10.9.24	1000	15	X	X	X	X	X	X	X	Cooler 3	-09
MW-13 -W- 20241009		GW	-	10.9.24	1045	15	X	X	X	X	X	X	X	Cooler 4	-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)
Date: 10.11.24 Time: 1300
Received by: (Signature)

Relinquished by : (Signature)
Date: Time:
Received by: (Signature)

Relinquished by : (Signature)
Date: Time:
Received for lab by: (Signature) Alexa Mitchell
Date: 10/12/24 Time: 0900

Trip Blank Received: Yes / No
20 HCL / MeoH TBR

Temp: °C Bottles Received: 285

Hold:

Condition: NCF / OK

If preservation required by Login: Date/Time

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

Chain of Custody Page 1 of ___

Pace
PEOPLE ADVANCING SCIENCE

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 # 178583
B199

Acctnum: CHEVARCAK
Template: T234814
Prelogin: P1100558
PM: 110 - Brian Ford
PB: 9.16.24 BK

Shipped Via: FedEx 2nd Day

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:
Skip Robinson/Kim Kroenke

Email To:
kimberly.kroenke@arcadis.com;Gerald.Robinso

Project Description:
306450

City/State Collected: Anchorage, AK

Please Circle: PT MT CT ET (AK)

Phone: **907-276-8095**

Client Project #
30064225.19.45

Lab Project #
CHEVARCAK-306450

Collected by (print):
E. Wojcik

Site/Facility ID #
4351 W. ITNL AIRPORT RD

P.O. #

Collected by (signature):
E Wojcik

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 100ml Amb HCl	EDB/123TCP V524LL 40mlAmb-HCl	FF Diss Lead 6010 250mlHDPE HNO3	PAHs 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl				Remarks	Sample # (lab only)
	Grab	GW	-															
~~MW-14~~		GW	-															
~~MW-13~~		GW	-															
MW-15D -W- 20241010		GW	-	10.10.24	0745	15	X	X	X	X	X	X	X				Cooler 3	-11
~~MW-16~~		GW	-															
MW-16D -W- 20241010		GW	-	10.10.24	0830	15	X	X	X	X	X	X	X				Cooler 3	-12
MW-17 -W- 20241010		GW	-	10.10.24	0700	15	X	X	X	X	X	X	X				Cooler 1	-13
RW-14 -W- 20241010		GW	-	10.10.24	0915	15	X	X	X	X	X	X	X				Cooler 3	-14
BD-1 -W- 20241009		GW	-	10.9.24	-	15	X	X	X	X	X	X	X				Cooler 5	-15
BD-2 -W- 20241010		GW	-	10.10.24	-	15	X	X	X	X	X	X	X				Cooler 4	-16

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

Remarks:

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: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: X Y __N
If Applicable
VOA Zero Headspace: __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
E Wojcik	10.11.24	1300		20
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 785
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Alexa Mitchell	Date: 10/12/24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 2 of ___

Pace
PEOPLE ADVANCING SCIENCE

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 # 788583

Table #

Acctnum: **CHEVARCAK**
Template: **T234814**
Prelogin: **P1100558**
PM: **110 - Brian Ford**
PB: 9.16.24 BK

Shipped Via: **FedEX 2nd Day**

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:
Skip Robinson/Kim Kroenke

Email To:
kimberly.kroenke@arcadis.com;Gerald.Robinso

Project Description:
306450

City/State Collected: Anchorage, AK

Please Circle: PT MT CT ET (AK)

Phone: **907-276-8095**

Client Project #
30064225.19.45

Lab Project #
CHEVARCAK-306450

Collected by (print):
E. Wyck

Site/Facility ID #
4351 W. ITNL AIRPORT RD

P.O. #

Collected by (signature):
E Wyck

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 100ml Amb HCl	EDB/123TCP V524LL 40mlAmb-HCl	FF Diss Lead 6010 250mlHDPE HNO3	PAHs 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl			Remarks	Sample # (lab only)
EQB-1-W-20241010	Grab	GW	-	10.10.24	1200	15	X	X	X	X	X	X	X			Cooler 2	-17
Trip Blank 1		GW				4	X		X				X			Cooler 1	-18
Trip Blank 2						4	X		X				X			2	-19
Trip Blank 3						4	X		X				X			3	-20
Trip Blank 4						4	X		X				X			4	-21
Trip Blank 5						4	X		X				X			5	-22

Chain of Custody Page 3 of ___

Pace
PEOPLE ADVANCING SCIENCE

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 # 178583

Table #

Acctnum: **CHEVARCAK**
Template: **T234814**
Prelogin: **P1100558**
PM: **110 - Brian Ford**
PB: 9.16.24BK

Shipped Via: **FedEX 2nd Day**

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP 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	If preservation required by Login: Date/Time
E Wyck	10.11.24	1300		20	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 285	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Alexa Mitchell	Date: 10/12/24 Time: 0900	Hold: Condition: NCF (OK)

L1788583

Fed Ex tracking #	Gun ID	Temperature
4171 6903 1891		1.1+.3=1.4
4171 6903 2008		3.1+.3=3.4
4171 6903 2019		3.3+.3=3.6
4171 6903 1994		4.1+.3=4.4
4171 6903 1983		1.4+.3=1.7

alexa mitchell
Name

10/12/24
Date

Attachment C

Historical Groundwater Monitoring Results – Third Quarter 2001 through 2022

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-1	03/04/01	75.25	25.60	--	49.65	--	--	--	--	--	--	--	--	--	
MW-1	04/21/01	75.25	26.08	--	49.17	--	--	--	--	--	--	--	--	--	
MW-1	05/30/01	75.25	26.37	--	48.88	--	--	--	--	--	--	--	--	--	
MW-1	06/27/01	75.25	26.55	--	48.70	--	--	--	--	--	--	--	--	--	
MW-1	09/26/01	75.25	26.34	--	48.91	--	--	--	--	--	--	--	--	--	
MW-1	12/09/01	75.25	26.57	--	48.68	--	--	--	--	--	--	--	--	--	
MW-1	03/18/02	75.25	27.60	--	47.65	--	--	--	--	--	--	--	--	--	
MW-1	06/24/02	75.25	27.24	--	48.01	--	--	--	--	--	--	--	--	--	
MW-1	03/27/03	75.25	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-1	06/10/03	75.25	28.82	--	46.43	--	--	--	--	--	--	--	--	--	
MW-1	09/06/03	75.25	29.45	--	45.80	--	--	--	--	--	--	--	--	--	
MW-1	11/29/03	75.25	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-1	03/22/04	75.25	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	06/29/04	75.25	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	12/28/04	75.25	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned
MW-2	03/04/01	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	04/21/01	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	05/30/01	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/27/01	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	09/26/01	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	12/09/01	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	03/18/02	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/24/02	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	03/27/03	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/10/03	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	09/06/03	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	11/29/03	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	03/22/04	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/29/04	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	12/28/04	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/30/05	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	12/27/05	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/30/06	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-2	04/30/07	76.28	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/04/01	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	04/21/01	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	05/30/01	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	06/27/01	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	09/26/01	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	12/09/01	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/18/02	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	06/24/02	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/27/03	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	06/10/03	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	09/06/03	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	11/29/03	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/22/04	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	06/29/04	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-3	12/28/04	75.93	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	03/04/01	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-4	04/21/01	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	05/30/01	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	06/27/01	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	09/26/01	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	12/09/01	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	03/18/02	76.60	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	06/24/02	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	03/27/03	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	06/10/03	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	09/06/03	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	11/29/03	76.60	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-4	03/22/04	76.60	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	06/29/04	76.60	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	12/28/04	76.60	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned
MW-5	03/04/01	76.74	44.42	--	32.32	**4,660 / 4,900**	--	--	**104 / 100**	**394 / 376**	**360 / 338**	**1,540 / 1,430**	--	--	
MW-5	04/21/01	76.74	44.50	--	32.24	--	--	--	--	--	--	--	--	--	
MW-5	05/30/01	76.74	44.79	--	31.95	--	--	--	--	--	--	--	--	--	
MW-5	06/27/01	76.74	45.75	--	30.99	**5,220**	--	--	**112**	**371**	**355**	**1,450**	--	--	
MW-5	09/26/01	76.74	45.07	--	31.67	**2,420**	--	--	**89.5**	**20**	**174**	**520**	--	--	
MW-5	12/09/01	76.74	44.96	--	31.78	**2,980**	--	--	**65.4**	**209**	**280**	**1,170**	--	--	
MW-5	03/18/02	76.74	45.46	--	31.28	**5,040**	--	--	**74.3**	**243**	**402**	**1,560**	--	--	
MW-5	06/24/02	76.74	45.49	--	31.25	**4,240**	--	--	**87.3**	**226**	**361**	**1,500**	--	--	
MW-5	03/27/03	76.74	46.16	--	30.58	**5,180**	--	--	**62.7**	**143**	**300**	**1,200**	--	--	
MW-5	06/10/03	76.74	46.40	--	30.34	**3,980**	--	--	**75.3**	**195**	**353**	**1,420**	--	--	
MW-5	09/06/03	76.74	46.60	--	30.14	**5,600**	--	--	**96.8**	**171**	**419**	**1,520**	--	--	
MW-5	11/29/03	76.74	46.40	--	30.34	**869**	--	--	**65**	**30.1**	**47.5**	**150**	--	--	
MW-5	03/22/04	76.74	46.40	--	30.34	--	--	--	--	--	--	--	--	--	
MW-5	06/29/04	76.74	45.86	--	30.88	--	--	--	**8.0**	**4.4**	**34**	**110**	--	--	
MW-5	12/28/04	76.74	45.21	--	31.53	**1,100**	--	--	**30**	**16**	**77**	**206**	--	--	
MW-5	06/30/05	76.74	46.05	--	30.69	**790**	--	--	**42**	**6.3**	**82**	**139**	--	--	
MW-5	12/27/05	76.74	45.79	--	30.95	--	--	--	--	--	--	--	--	--	
MW-5	06/30/06	76.74	46.36	--	30.38	**1,240**	--	--	**44.2**	**9.34**	**147**	**215**	--	--	
MW-5	04/30/07	76.74	43.92	--	32.82	--	--	--	--	--	--	--	--	--	
MW-5	08/31/07	76.74	46.03	--	30.71	**3,900**[1]	--	--	**200**	**100**	**200**	**700**	<50[1,2]	--	
MW-5	08/20/08	83.03	45.40	--	37.63	**2,200**	**140**	--	**200**	**400**	**90**	**200**	--	--	
MW-5	12/09/08	83.03	44.19	--	38.84	--	--	--	--	--	--	--	--	--	
MW-5	03/18/09	83.03	44.46	--	38.57	**2,400/2,400**	**320/830**	--	**250/250**	**260/260**	**110/110**	**260/260**	<10/<10	--	
MW-5	06/04/09	83.03	44.83	--	38.20	--	--	--	--	--	--	--	--	--	
MW-5	09/02/09	83.03	45.85	--	37.18	**3,900/3,700**	--	--	**350/330**	**840/790**	**120/110**	**400/370**	--	--	
MW-5	12/08/09	83.03	45.55	--	37.48	--	--	--	--	--	--	--	--	--	
MW-5	05/17/10	83.03	43.60	--	39.43	**3,600/3,300**	**78/63**	--	**340/340**	**580/670**	**99/90**	**270/240**	--	--	
MW-5	08/24/10	83.03	45.80	--	37.23	**3,300**	**180**	--	**290**	**390**	**110**	**340**	--	--	
MW-5	04/26/11	83.03	45.44	--	37.59	**2,500**	**150**	--	**250**	**170**	**150**	**360**	--	--	
MW-5	09/20/11	83.03	45.29	--	37.74	**3,200**	--	--	**330**	**630**	**110**	**310**	--	--	
MW-5	09/20/11	83.03	45.29	--	37.74	**3,100**	--	--	**320**	**620**	**100**	**290**	--	--	Duplicate
MW-5	05/18/12	83.03	45.27	--	37.76	**4,400**	**190**	<49	**280**	**760**	**150**	**440**	--	--	
MW-5	05/18/12	83.03	45.27	--	37.76	**4,400**	--	--	**280**	**740**	**150**	**430**	--	--	Duplicate
MW-5	09/17/12	83.03	45.30	--	37.73	**2,500**	**330**	**95**	**210**	**370**	**140**	**230**	--	--	
MW-5	04/29/13	83.03	44.64	--	38.39	<100	**1,000**	<620	<1.0	**<1.0**	**1.4**	<3.0	--	--	
MW-5	09/17/13	83.03	44.59	--	38.44	**251**	**<410**	--	**19.3**	**27.1**	**10.7**	**38.4**	--	--	
MW-5	04/28/14	83.03	43.42	--	39.61	**7,070**	**<260**	--	**247**	**1,450**	**193**	**703**	--	--	
MW-5	09/04/14	83.03	45.15	--	37.88	**14,700**	**<400**	--	**345**	**2,560**	**195**	**737**	--	--	
MW-5	09/04/14	83.03	45.15	--	37.88	**15,500**	**<400**	--	**347**	**2,400**	**226**	**682**	--	--	Duplicate

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-5	04/14/15	83.03	44.59	--	38.44	<100	**1,100**	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-5	04/14/15	83.03	44.59	--	38.44	<100	**1,000**	--	<1.0	<1.0	<1.0	<3.0	--	--	Duplicate
MW-5	09/02/15	83.03	47.25	--	35.78	**2,560**	<400	--	**155**	**206**	**122**	**259**	--	--	
MW-5	04/12/16	83.03	45.65	--	37.38	**180**	**600**	--	**1.0**	**13**	**13**	**34**	--	--	
MW-5	09/15/16	83.03	46.36	--	36.67	**2,600**	**240**	--	**130**	**290**	**130**	**330**	--	--	
MW-5	05/10/17	83.03	46.20	--	36.83	**130**	**900**	--	<0.5	**<0.5**	**0.6**	**0.9**	--	--	
MW-5	09/11/17	83.03	46.71	--	36.32	**1,000**	**130**	--	**35**	**4.0**	**150**	**29**	--	--	
MW-5	04/06/18	83.03	45.43	--	37.60	**1,300 J**	**<150**	--	**15**	**11 J**	**110 J**	**110 J**	--	--	
MW-5	04/06/18	83.03	45.43	--	37.60	**900 J**	**130 J**	--	**12**	**8 J**	**69 J**	**64 J**	--	--	Duplicate
MW-5	10/24/18	83.03	46.07	--	36.96	**210 J**	**660**	--	**2 J**	**2 J**	**13 J**	**14 J**	--	--	
MW-5	04/19/19	83.11	46.67	--	36.44	**3,500 [2,800]**	**<290 BJ [<260 B]**	--	**13 J [20 J]**	**10 J [15 J]**	**110 J [170 J]**	**170 J [260 J]**	**170 J**	--	
MW-5	09/18/19	83.11	47.44	--	35.67	**2,900**	**390**	--	**51**	**30**	**340 D**	**609 D**	--	--	
MW-5	04/09/20	83.11	46.38	0.00	36.73	**877**	**328 J**	--	**16.8**	**6.28**	**39.9**	**97.4**	<1.00	**1.16 J**	
MW-5	10/07/20	83.11	46.86	0.00	36.25	**1,700**	**318 J**	--	**32.1**	**15.7**	**188**	**325**	<1.00	**3.63 J**	
MW-5	09/07/21	83.11	47.46	0.00	35.65	**2,180 [2,180]**	<895 B [<834 B]	--	**43.2 [45.8]**	**18.5 [20.4]**	**302 J [140 J]**	**493 J [220 J]**	<1.00 [<1.00]	**5.19 [6.51]**	
MW-5	04/12/22	83.11	39.52	0.00	43.59	**2,190 [2,360]**	**561 J [545 J]**	--	**49.2 [51.8]**	**16.5 [19]**	**226 [265]**	**249 [310]**	<5.00 [<10.0]	**5.26 J [<50]**	
MW-5	08/23/22	83.11	46.90	0.00	36.21	**2,540 [1,950]**	<944 B J [<800 B]	--	**77.9 [63.8]**	**21.4 [16.8]**	**288 [221]**	**508 [386]**	<5.00 [<10.0]	**6.53 J [*<50*]**	
MW-5A	03/04/01	76.26	30.51	--	45.75	**1,180**	--	--	**4.87**	**17.6**	**44.4**	**354**	--	--	
MW-5A	04/21/01	76.26	30.90	--	45.36	--	--	--	--	--	--	--	--	--	
MW-5A	05/30/01	76.26	31.46	--	44.80	--	--	--	--	--	--	--	--	--	
MW-5A	06/27/01	76.26	31.95	--	48.70	**410**	--	--	**1.95**	**3.04**	**9.88**	**88.1**	--	--	
MW-5A	09/26/01	76.26	33.19	--	43.07	**830**	--	--	**2.6**	**16.3**	**38.9**	**215**	--	--	
MW-5A	12/09/01	76.26	33.80	--	42.46	--	--	--	**2.9**	**31**	**28.3**	**216**	--	--	
MW-5A	03/18/02	76.26	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5A	06/24/02	76.26	35.35	--	40.91	--	--	--	**2.4**	**184**	**25.9**	**184**	--	--	
MW-5A	03/27/03	76.26	34.71	--	41.55	--	--	--	--	--	--	--	--	--	
MW-5A	06/10/03	76.26	33.77	--	42.49	--	--	--	**50.6**	**226**	**70**	**1,020**	--	--	
MW-5A	09/06/03	76.26	35.57	--	40.69	--	--	--	--	--	--	--	--	--	
MW-5A	11/29/03	76.26	37.00	--	39.26	--	--	--	**33.4**	**63.3**	**30.4**	**358**	--	--	
MW-5A	03/22/04	76.26	36.80	--	39.46	--	--	--	--	--	--	--	--	--	
MW-5A	06/29/04	76.26	36.98	--	39.28	--	--	--	<0.5	<0.5	<0.5	**2.7**	--	--	
MW-5A	12/28/04	76.26	34.03	--	42.23	--	--	--	**0.92/1.0**	**21/21**	**17/17**	**118/119**	--	--	
MW-5A	06/30/05	76.26	32.65	--	43.61	--	--	--	<0.5	<0.5	**0.54**	**6.7**	--	--	
MW-5A	12/27/05	76.26	32.70	--	43.56	--	--	--	--	--	--	--	--	--	
MW-5A	06/30/06	76.26	37.11	--	39.15	--	--	--	<0.5	**2.67**	**8.47**	**80.7**	--	--	
MW-5A	04/30/07	76.26	35.94	--	40.32	--	--	--	--	--	--	--	--	--	
MW-5A	08/31/07	76.26	36.92	--	39.34	--	--	--	**60**	**1,800**	**2,100**	**17,000**	<30[3]	--	
MW-5A	08/15/08	82.93	37.89	**0.11**	45.13	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-5A	12/09/08	82.93	37.50	**0.06**	45.48	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-5A	03/18/09	82.93	36.91	**0.01**	46.03	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-5A	06/04/09	82.93	37.40	--	45.53	--	--	--	--	--	--	--	--	--	
MW-5A	09/02/09	82.93	38.01	--	44.92	--	--	--	**6.7**	**32**	**17**	**1,600**	--	--	
MW-5A	12/08/09	82.93	38.31	--	44.62	--	--	--	--	--	--	--	--	--	
MW-5A	05/17/10	82.93	37.60	--	45.33	**670**	**3,600**	--	**0.8**	**9**	**2**	**120**	--	--	
MW-5A	05/20/10	--	--	--	--	**230,000**	**120,000**	--	***<2,500***	***<2,500***	***<2,500***	***<7,500***	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	05/21/10	--	--	--	--	**200,000**	**170,000**	--	***<500***	<500	***<500***	***<1,500***	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	05/27/10	--	--	--	--	**49,000**	**40,000**	--	***<250***	<250	***<250***	**1,400**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	06/03/10	--	--	--	--	**48,000**	**32,000**	--	***<250***	<250	***<250***	**1,600**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	06/25/10	--	--	--	--	**21,000**	**37,000**	--	***<250***	<250	***<250***	**1,200**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	07/01/10	--	--	--	--	**23,000/130,000**	**50,000/28,000**	--	**30/830**	**180/270,000**	**53/3,000**	**1,500/16,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	07/29/10	82.93	38.59	--	44.34	***<10,000***	**25,000**	--	***<5,000***	***<5,000***	***<5,000***	***<1,500***	--	--	Sampling performed for post-surfactant injection monitoring.
MW-5A	08/25/10	82.93	38.79	--	44.14	**5,400**	**8,300**	--	**41**	**200**	**60**	**1,400**	--	--	
MW-5A	10/19/10	82.93	38.35	--	44.58	**2,100/3,000**	**12,000/14,000**	--	***<25/<10***	<25/**13**	***<25*** /**16**	**320/340**	--	--	Sampling performed for post-surfactant injection monitoring.

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-5A	04/26/11	82.93	38.31	--	44.62	--	--	--	--	--	--	--	--	--	
MW-5A	09/20/11	82.93	38.84	--	44.09	**5,200**	--	--	**110**	**820**	**28**	**1,400**	--	--	
MW-5A	05/18/12	82.93	39.60	--	43.33	**990**	**8,100**	**860**	**31**	**82**	**5.7**	**190**	--	--	
MW-5A	09/17/12	82.93	37.90	--	45.03	**2,500**	**6,700**	**1,200**	**56**	**290**	**48**	**600**	--	--	
MW-5A	09/17/12	82.93	37.90	--	45.03	**2,600**	**3,800**	--	**59**	**300**	**54**	**630**	--	--	Duplicate
MW-5A	04/30/13	82.93	35.30	--	47.63	**604**	**1,700**	**490**	<1.0	**30.1**	**15.1**	**212**	--	--	
MW-5A	09/17/13	82.93	36.20	--	46.73	**802**	**1,100**	**410**	<1.0	**15.5**	**19**	**257**	--	--	
MW-5A	04/29/14	82.93	32.43	--	50.50	**689**	**430**	--	<1.0	**25.8**	**42.8**	**283**	--	--	
MW-5A	09/04/14	82.93	33.29	--	49.64	**782**	**430**	--	<1.0	**26.6**	**29.3**	**176**	--	--	
MW-5A	04/14/15	82.93	33.25	--	49.68	**674**	<400	--	<1.0	**25.1**	**34.5**	**206**	--	--	
MW-5A	09/03/15	82.93	35.11	--	47.82	**128**	<420	--	<1.0	<1.0	**1.5**	**23.6**	--	--	
MW-5A	09/03/15	82.93	35.11	--	47.82	**145**	<430	--	<1.0	**1.5**	**3.5**	**32.7**	--	--	Duplicate
MW-5A	04/13/16	82.93	35.77	--	47.16	**240**	**450**	--	<0.5	**0.6**	**7**	**39**	--	--	
MW-5A	09/16/16	82.93	37.50	--	45.43	**200**	**350**	--	<0.5	<0.5	**4**	**24**	--	--	
MW-5A	05/11/17	82.93	37.80	--	45.13	**7,000**	**1,600**	--	**6.0**	**120**	**220**	**1,600**	--	--	
MW-5A	09/11/17	82.93	38.71	--	44.22	**1,500**	**710**	--	**2.0**	**38**	**39**	**390**	--	--	
MW-5A	04/06/18	82.93	37.52	--	45.41	**3,000**	**940**	--	**2.0**	**28**	**5.0**	**560**	--	--	
MW-5A	10/24/18	82.93	38.50	--	44.43	**370**	**1,300**	--	**0.4 J**	**1.0**	**1.0**	**120**	--	--	
MW-5A	04/19/19	83.09	38.85	--	44.24	**150 J**	<340 BJ	--	**1**	<1 B	<0.4	**37 J**	--	--	
MW-5A	09/18/19	83.09	38.68	--	44.41	<100 **[120 J]**	**610 [500]**	--	<0.53 **[0.66 J]**	<0.39 [<0.39]	<0.50 [<0.50]	**23.6 [23.6]**	--	--	
MW-5A	04/09/20	83.09	39.38	0.00	43.71	**405 [365]**	**946 [993]**	--	**0.832 J [0.855 J]**	**0.667 J [0.656 J]**	<1.00 [<1.00]	**222 [198]**	<1.00 [<1.00]	**8.99 [10.7]**	
MW-5A	10/07/20	83.09	38.99	0.00	44.10	**313 [226]**	**674 J [607 J]**	--	**0.253 J [0.234 J]**	<1.00 [<1.00]	**0.174 J** [<1.00]	**116 [85.9]**	<1.00 [<1.00]	**1.88 J [2.66 J]**	
MW-5A	04/14/21	83.09	39.22	0.00	43.87	**288**	**418 J**	--	**0.530 J**	**1.15 J**	**0.305 J**	**15.2**	<1.00	**11.5 J**	
MW-5A	09/07/21	83.09	39.99	0.00	43.10	**229**	<888 B	--	**0.790 J**	**0.747 J**	**0.253 J**	**8.91**	<1.00	**20.0**	
MW-5A	04/12/22	83.09	46.85	0.00	36.24	<136 B	**577 J**	--	**0.249 J**	**0.588 J**	**0.271 J**	**8.45**	<1.00	**10.1 J**	
MW-5A	08/23/22	83.09	38.58	0.00	44.51	<100 B	<864 B	--	<1.00	<1.00	<1.00	**0.336 J**	<1.00	***<5.00***	
MW-6	03/04/01	76.05	49.78	--	26.27	--	--	--	--	--	--	--	--	--	
MW-6	04/21/01	76.05	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	05/30/01	76.05	50.14	--	25.91	--	--	--	--	--	--	--	--	--	
MW-6	06/27/01	76.05	Dry	--	Dry	--	--	--	--	--	--	--	--	--	
MW-6	09/26/01	76.05	50.98	--	25.07	--	--	--	--	--	--	--	--	--	
MW-6	12/09/01	76.05	50.45	--	25.60	--	--	--	--	--	--	--	--	--	
MW-6	03/18/02	76.05	50.57	--	25.48	--	--	--	--	--	--	--	--	--	
MW-6	06/24/02	76.05	51.15	--	24.90	--	--	--	--	--	--	--	--	--	
MW-6	03/27/03	76.05	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-6	06/10/03	76.05	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-6	09/06/03	76.05	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-6	11/29/03	76.05	DRY	--	--	--	--	--	--	--	--	--	--	--	
MW-6	03/22/04	76.05	--	--	--	--	--	--	--	--	--	--	--	--	
MW-6	06/29/04	76.05	51.04	--	25.01	--	--	--	--	--	--	--	--	--	
MW-6	12/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned
MW-7	03/04/01	77.97	51.29	--	26.68	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	04/21/01	77.97	51.60	--	26.38	--	--	--	--	--	--	--	--	--	
MW-7	05/30/01	77.97	51.72	--	26.25	--	--	--	--	--	--	--	--	--	
MW-7	06/27/01	77.97	56.10	--	24.49	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	07/19/01	77.97	55.20	--	24.35	--	--	--	--	--	--	--	--	--	
MW-7	08/19/01	77.97	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	09/26/01	77.97	53.61	--	26.20	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	10/23/01	77.97	53.09	--	25.47	--	--	--	--	--	--	--	--	--	
MW-7	11/29/01	77.97	52.23	--	25.74	--	--	--	--	--	--	--	--	--	
MW-7	12/09/01	77.97	52.00	--	25.97	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	01/16/02	77.97	51.67	--	26.30	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-7	02/26/02	77.97	52.43	--	25.54	--	--	--	--	--	--	--	--	--	
MW-7	03/18/02	77.97	52.21	--	25.76	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	04/30/02	77.97	52.22	--	25.75	--	--	--	--	--	--	--	--	--	
MW-7	05/24/02	77.97	52.26	--	25.72	--	--	--	--	--	--	--	--	--	
MW-7	06/24/02	77.97	52.50	--	25.47	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	01/31/03	77.97	53.35	**0.48**	25.00	--	--	--	--	--	--	--	--	--	
MW-7	03/01/03	77.97	53.39	**0.49**	24.97	--	--	--	--	--	--	--	--	--	
MW-7	03/27/03	77.97	53.39	**0.49**	24.97	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	05/31/03	77.97	54.40	**0.90**	24.29	--	--	--	--	--	--	--	--	--	
MW-7	06/10/03	77.97	54.40	**0.90**	24.29	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	06/30/03	77.97	56.43	**2.64**	23.65	--	--	--	--	--	--	--	--	--	
MW-7	07/31/03	77.97	55.93	**1.16**	22.97	--	--	--	--	--	--	--	--	--	
MW-7	09/06/03	77.97	55.44	**1.02**	23.35	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	10/27/03	77.97	54.18	**0.34**	24.06	--	--	--	--	--	--	--	--	--	
MW-7	11/29/03	77.97	53.65	**0.25**	24.52	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	03/22/04	77.97	52.62	**0.02**	25.37	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	06/29/04	77.97	52.61	**film**	25.36	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	12/28/04	77.97	50.86	**0.03**	27.13	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	06/30/05	77.97	53.24	**film**	24.73	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	09/28/05	77.97	52.95	**film**	25.02	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	12/27/05	77.97	52.78	--	25.19	--	--	--	--	--	--	--	--	--	
MW-7	03/31/06	77.97	53.08	**film**	24.89	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	06/30/06	77.97	53.27	**film**	24.70	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	04/30/07	77.97	51.58	**film**	26.39	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL
MW-7	08/31/07	77.97	52.42	--	25.55	--	--	--	--	--	--	--	--	--	
MW-7	10/31/07	77.97	51.99	--	25.98	**220,000**	**40,000**	--	**11,000**	**31,000**	**4,300**	**23,000**	**<1,000**	--	
MW-7	01/23/08	77.97	51.56	--	26.41	**210,000**	**24,000**	--	**10,000**	**30,000**	**4,200**	**30,000**	--	--	
MW-7	06/27/08	77.97	52.31	--	25.66	**190,000**	**25,000**	--	**11,000**	**32,000**	**3,900**	**21,000**	--	--	
MW-7	08/15/08	84.58	52.58	--	32.00	**120,000/130,000**	**20,000/20,000**	--	**8,500/8,900**	**26,000/27,000**	**3,100/3,300**	**17,000/18,000**	--	--	
MW-7	12/09/08	84.58	51.59	--	32.99	**74,000**	**17,000**	--	**5,600**	**17,000**	**2,100**	**11,000**	**<500**	--	
MW-7	03/18/09	84.58	51.41	--	33.17	**120,000**	**20,000**	--	**7,500**	**23,000**	**3,300**	**16,000**	**230**	--	
MW-7	06/05/09	84.58	51.64	--	32.94	**150,000**	**16,000**	--	**8,500**	**27,000**	**3,600**	**19,000**	--	--	
MW-7	09/02/09	84.58	53.27	--	31.31	**170,000**	**49,000**	--	**9,600**	**35,000**	**4,500**	**25,000**	--	--	
MW-7	12/08/09	84.58	52.51	--	32.07	**140,000**	**20,000**	--	**6,300**	**24,000**	**3,600**	**18,000**	--	--	
MW-7	05/17/10	84.58	51.95	--	32.63	**170,000**	**16,000**	--	**7,500**	**31,000**	**4,300**	**24,000**	--	--	
MW-7	05/20/10	--	--	--	--	**1,200,000**	**270,000**	--	**4,200**	**36,000**	**12,000**	**87,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	05/21/10	--	--	--	--	**690,000**	**170,000**	--	**5,500**	**35,000**	**10,000**	**60,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	05/27/10	--	--	--	--	**120,000**	**38,000**	--	**6,900**	**25,000**	**3,200**	**17,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	06/03/10	--	--	--	--	**110,000/130,000**	**29,000/30,000**	--	**6,400/7,400**	**21,000/26,000**	**2,200/3,000**	**12,000/16,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	06/25/10	--	--	--	--	**--/140**	**29,000/32,000**	--	**--/9,000**	**--/30,000**	**--/3,000**	**--/17,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	07/01/10	--	--	--	--	**130,000**	**28,000**	--	**8,300**	**27,000**	**3,000**	**16,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	07/29/10	84.58	53.48	--	31.10	**170,000**	**22,000**	--	**10,000**	**36,000**	**4,100**	**22,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	08/25/10	84.58	53.00	--	31.58	**150,000**	**22,000**	--	**8,300**	**32,000**	**3,500**	**18,000**	--	--	
MW-7	10/19/10	84.58	53.19	--	31.39	**160,000**	**16,000**	--	**7,500**	**29,000**	**3,500**	**19,000**	--	--	Sampling performed for post-surfactant injection monitoring.
MW-7	04/26/11	84.58	52.06	--	32.52	--	--	--	--	--	--	--	--	--	
MW-7	09/20/11	84.58	--	--	--	--	--	--	--	--	--	--	--	--	Unable to access
MW-7	05/18/12	84.58	53.10	--	31.48	**160,000**	**25,000**	**5,100**	**7,600**	**31,000**	**3,900**	**21,000**	--	--	
MW-7	09/17/12	84.58	53.45	--	31.13	**110,000**	**23,000**	**6,800**	**5,800**	**24,000**	**3,100**	**16,000**	--	--	
MW-7	04/29/13	84.58	52.68	--	31.90	--	--	--	--	--	--	--	--	--	
MW-7	09/17/13	84.58	53.93	--	30.65	**266,000**	**11,900**	**7,400**	--	--	--	--	--	--	
MW-7	04/29/14	84.58	51.89	--	32.69	**134,000**	**13,200**	--	**8,940**	**31,900**	**2,570**	**14,000**	--	--	
MW-7	04/29/14	84.58	51.89	--	32.69	--	--	--	--	--	--	--	--	--	Duplicate
MW-7	09/03/14	84.58	55.35	**0.01**	29.24	**127,000**	**16,500**	--	**8,650**	**30,700**	**2,460**	**13,900**	--	--	
MW-7	09/04/14	--	--	--	--	--	--	--	--	--	--	--	--	--	Well not sampled due to presence of LNAPL

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-7	04/15/15	84.58	53.31	--	31.27	**213,000**	**19,500**	--	**8,430**	**36,400**	**3,050**	**17,300**	--	--	Duplicate
MW-7	04/15/15	84.58	53.31	--	31.27	**202,000**	**21,500**	--	**8,830**	**36,900**	**3,440**	**20,900**	--	--	
MW-7	09/02/15	84.58	53.40	--	31.18	**245,000**	**24,900**	--	**6,690**	**43,800**	**4,200**	**24,200**	--	--	
MW-7	04/12/16	84.58	54.04	--	30.54	**200,000**	**29,000**	--	**7,300**	**36,000**	**3,400**	**20,000**	--	--	
MW-7	09/15/16	84.58	--	--	--	--	--	--	--	--	--	--	--	--	
MW-7	05/11/17	84.58	54.12	--	30.46	**210,000**	**29,000**	--	**6,800**	**41,000**	**4,500**	**27,000**	--	--	
MW-7	09/11/17	84.58	54.80	--	29.78	**170,000**	**20,000**	--	**6,300**	**45,000**	**4,700**	**28,000**	--	--	
MW-7	04/06/18	84.58	53.58	--	31.00	**200,000**	**22,000**	--	**5,000**	**37,000**	**4,500**	**25,000**	--	--	
MW-7	10/24/18	84.58	54.76	--	29.82	**160,000**	**23,000**	--	**460**	**3,600**	**420**	**2,800**	--	--	
MW-7	04/19/19	85.68	55.03	--	30.65	**190,000**	**22,000**	--	**5,000**	**46,000 D**	**4,600**	**26,000**	--	--	
MW-7	09/18/19	85.68	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-7	04/09/20	85.68	54.95	0.00	30.73	**97,800**	**19,700 J**	--	**3,320**	**43,000**	**4,600**	**29,500**	***<250***	**466 J**	
MW-7	10/08/20	85.68	55.13	0.00	30.55	**84,200**	**19,000**	--	**2,800**	**37,700**	**3,680**	**24,000**	***<250***	***<1,250***	
MW-7	04/14/21	85.68	54.66	0.00	31.02	**133,000 [130,000 J]**	**24,600 [23,900]**	--	**2,800 [2,920]**	**28,900 [24,900]**	**4,080 [4,060]**	**25,600 [24,600]**	***<250*** [<100]	**327 J [299 J]**	
MW-7	09/07/21	85.68	55.82	0.00	29.86	**112,000**	**23,700**	--	**2,930**	**30,700**	**2,990**	**18,600**	***<1,000***	**<5,000**	
MW-7	04/12/22	85.68	54.65	0.00	31.03	**116,000**	**40,100**	--	**3,170**	**32,500**	**3,730**	**24,000**	***<1,000***	***<5,000***	
MW-7	08/23/22	85.68	55.95	0.00	29.73	**76,600**	**24,900**	--	**2,180**	**18,800**	**1,870**	**12,900**	***<1,000***	***<5,000***	
MW-7A	04/15/15	85.62	54.35	--	31.27	**8,460**	**2,600**	--	**18.2**	**210**	**10.1**	**969**	--	--	
MW-7A	09/03/15	85.62	56.42	--	29.20	**26,500**	**3,700**	--	**103**	**1,610**	**469**	**5,830**	--	--	
MW-7A	04/13/16	85.62	55.09	--	30.53	**12,000**	**13,000**	--	**170**	**1,100**	**58**	**2,400**	--	--	
MW-7A	09/16/16	85.62	56.27	--	29.35	**14,000**	**3,800**	--	**420**	**1,600**	**180**	**4,400**	--	--	
MW-7A	05/11/17	85.62	55.17	--	30.45	**13,000**	**2,900**	--	**99**	**280**	**88**	**3,500**	--	--	
MW-7A	09/11/17	85.62	55.85	--	29.77	**20,000**	**6,900**	--	**340**	**1,600**	**170**	**6,700**	--	--	
MW-7A	04/06/18	85.62	54.65	--	30.97	**15,000**	**3,500**	--	**210**	**580**	**91**	**4,800**	--	--	
MW-7A	10/24/18	85.62	55.82	--	29.80	**9,300**	**4,600**	--	**49**	**340**	**71**	**2,900**	--	--	
MW-7A	04/19/19	86.82	53.16	--	33.66	**18,000**	**4,900**	--	**320**	**720**	**92**	**5,000**	--	--	
MW-7A	09/18/19	86.82	58.65	--	28.17	**900**	**440**	--	**29**	**130**	**14**	**162**	**--**	--	
MW-7A	04/09/20	86.82	56.00	0.00	30.82	**3,820**	**2,060**	--	**74.2**	**545**	**175**	**3,590**	<1.00	**46.5**	
MW-7A	10/08/20	86.82	55.70	0.00	31.12	**14,100**	**3,350**	--	**133**	**1,940**	**124**	**7,750**	<25.0	**49.7 J**	
MW-7A	04/14/2021	86.82	55.70	0.00	31.12	**6,440**	**1,610**	--	**64.4**	**247**	**53.5**	**2,360**	<25.0	***<125***	
MW-7A	09/07/21	86.82	56.87	0.00	29.95	**825**	<939 B	--	**8.48 J**	**61**	**10.4 J**	**167**	<25.0	***<125***	
MW-7A	04/12/22	86.82	55.76	0.00	31.06	**8,090**	**2,750**	--	**64.7**	**357**	**44.4**	**3,700**	<25.0	***<125***	
MW-7A	08/23/22	86.82	57.03	0.00	29.79	**2,120**	<800 B	--	**22.6 J**	**242**	**45.2**	**752**	<25.0	***<125***	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-8	03/04/01	77.21	45.10	--	32.11	--	--	--	--	--	--	--	--	--	
MW-8	04/21/01	77.21	45.39	--	31.82	--	--	--	--	--	--	--	--	--	
MW-8	05/30/01	77.21	45.96	--	31.25	--	--	--	--	--	--	--	--	--	
MW-8	06/27/01	77.21	47.13	--	30.08	--	--	--	--	--	--	--	--	--	
MW-8	09/26/01	77.21	46.76	--	30.45	--	--	--	--	--	--	--	--	--	
MW-8	12/09/01	77.21	46.45	--	30.76	--	--	--	--	--	--	--	--	--	
MW-8	03/18/02	77.21	46.99	--	30.22	--	--	--	--	--	--	--	--	--	
MW-8	06/24/02	77.21	47.23	--	29.98	--	--	--	--	--	--	--	--	--	
MW-8	03/27/03	77.21	47.59	--	29.62	--	--	--	--	--	--	--	--	--	
MW-8	06/10/03	77.21	48.25	--	28.96	--	--	--	--	--	--	--	--	--	
MW-8	09/06/03	77.21	48.79	--	28.42	--	--	--	--	--	--	--	--	--	
MW-8	11/29/03	77.21	48.13	--	29.08	--	--	--	--	--	--	--	--	--	
MW-8	03/22/04	77.21	47.58	--	29.63	--	--	--	--	--	--	--	--	--	
MW-8	06/29/04	77.21	47.49	--	29.72	--	--	--	--	--	--	--	--	--	
MW-8	12/28/04	--	--	--	--	--	--	--	--	--	--	--	--	--	Well Abandoned
MW-9	03/04/01	76.58	33.03	--	43.55	**12,000**	**11,900**	--	**1,460**	**491**	**283**	**887**	--	--	
MW-9	04/21/01	76.58	33.59	--	42.99	--	--	--	--	--	--	--	--	--	
MW-9	05/30/01	76.58	33.99	--	42.59	**5,360 / 7,780**	**8,410 / --**	--	**1,080 / 1,010**	**185 / 171**	**202 / 186**	**540 / 505**	--	--	
MW-9	06/27/01	76.58	34.22	--	42.36	--	--	--	--	--	--	--	--	--	
MW-9	09/27/01	76.58	35.00	--	41.58	**5,470 / --**	**5,970 / --**	--	**791 / 853**	**110 / 118**	**135 / 146**	**376 / 406**	--	--	
MW-9	12/09/01	76.58	35.20	--	41.38	**3,470 / 4,290**	**4,870 / --**	--	**840 / 716**	**23.6 / 33.1**	**167 / 167**	**218 / 309**	--	--	
MW-9	03/18/02	76.58	35.90	--	40.68	**4,120 / --**	**4,020 / --**	--	**600 / 533**	**9.46 / 9.62**	**99.3 / 117**	**119 / 162**	--	--	
MW-9	06/24/02	76.58	36.19	--	40.39	**3,190**	**3050**	--	**512**	**7.44**	**111**	**136**	--	--	
MW-9	03/27/03	76.58	35.90	--	40.68	**2,400 / 2,270**	**4,280**	--	**322 / 335**	**2.47 / 2.83**	**39.1 / 41.6**	**30.6 / 35**	--	--	
MW-9	06/10/03	76.58	36.27	--	40.31	**4,790**	**4,620**	--	**791**	**14.8**	**158**	**177**	--	--	
MW-9	09/06/03	76.58	37.20	--	39.38	**3,050**	**3,700**	--	**485**	<5	**73.6**	**84.4**	--	--	
MW-9	11/29/03	76.58	37.58	--	39.00	**2,350**	**2,830**	--	**435**	**3.45**	**98.4**	**84.5**	--	--	
MW-9	03/22/04	76.58	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	06/29/04	76.58	36.69	--	39.89	**300**	**690**	--	**44**	<0.5	**2.7**	**3.2**	--	--	
MW-9	12/28/04	76.58	35.68	--	40.90	**1,100**	**4,800**	--	**172**	**1.7**	**3.5**	**11**	--	--	
MW-9	06/30/05	76.58	35.12	--	41.46	**4,100/3,900**	**7,900/10,000**	--	**683/676**	**4.6/4.4**	**67/66**	**43/42**	--	--	
MW-9	12/27/05	76.58	36.12	--	40.46	**3,410**	**2,250**	--	**657**	<5	**18.7**	**19**	--	--	
MW-9	06/30/06	76.58	37.32	--	39.26	**2,030/1,690**	**3,120/2,930**	--	**445/465**	<5.00/<5.00	**29.9/17.6**	**31.5/16.8**	--	--	
MW-9	04/30/07	76.58	36.39	--	40.19	**3,900**	**4,900**	--	**800**	**3**	**60**	**50**	--	--	
MW-9	08/31/07	76.58	37.53	--	39.05	**--/7,000**	**4,400/4,500**	--	**900/900**	**40/40**	**200/200**	**500/500**	<20/--	--	
MW-9	01/23/08	76.58	37.32	--	39.26	**1,200**	**3,400**	--	**100**	**2**	**20**	**20**	--	--	
MW-9	08/08/08	83.19	38.02 [1]	--	45.17	**3,700**	**4,000**	--	**900**	**8**	**90**	**80**	--	--	
MW-9	03/18/09	83.19	38.80	--	44.39	--	--	--	--	--	--	--	--	--	
MW-9	06/05/09	83.19	37.86	--	45.33	**5,500**	**5,400**	--	**1,000**	**9.6**	**150**	**170**	--	--	
MW-9	09/02/09	83.19	38.40	--	44.79	**2,700**	**6,100**	--	**500**	**4.6**	**59**	**72**	--	--	
MW-9	12/08/09	83.19	38.81	--	44.38	--	--	--	--	--	--	--	--	--	
MW-9	05/17/10	83.19	39.15	--	44.04	--	--	--	--	--	--	--	--	--	
MW-9	08/24/10	83.19	39.20	--	43.99	--	--	--	--	--	--	--	--	--	
MW-9	04/26/11	83.19	39.15	--	44.04	--	--	--	--	--	--	--	--	--	
MW-9	09/20/11	83.19	39.20	--	43.99	--	--	--	--	--	--	--	--	--	
MW-9	05/18/12	83.19	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-9	09/17/12	83.19	37.80	--	45.39	**3,600**	**6,500**	<50	**690**	**1.7**	**100**	**95**	--	--	
MW-9	05/01/13	83.19	36.11	--	47.08	**122**	**3,100**	**560**	**11.5**	<1.0	<1.0	<3.0	--	--	
MW-9	09/17/13	83.19	36.99	--	46.20	**4,470**	**8,600**	**930**	**678**	**5.2**	**161**	**120**	--	--	
MW-9	04/29/14	83.19	33.97	--	49.22	**1,730**	**10,700**	--	**553**	<5.0	**10.9**	<15.0	--	--	
MW-9	09/04/14	83.19	34.92	--	48.27	**3,620**	**11,200**	--	**611**	<5.0	**121**	**77.9**	--	--	
MW-9	04/14/15	83.19	35.14	--	48.05	**1,220**	**3,500**	--	**284**	<1.0	**40.2**	**29.2**	--	--	
MW-9	09/03/15	83.19	36.92	--	46.27	**2,470**	**8,100**	--	**338**	<2.0	**88.9**	**111**	--	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-9	04/12/16	83.19	36.85	--	46.34	--	--	--	--	--	--	--	--	--	Not Sampled
MW-9	09/15/16	83.19	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-9	05/10/17	83.19	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-9	04/06/18	83.19	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-9	10/24/18	83.19	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-9	04/19/19	83.20	39.48	--	43.72	--	--	--	--	--	--	--	--	--	
MW-9	09/18/19	83.20	39.52	--	43.68	--	--	--	--	--	--	--	--	--	
MW-9	04/09/20	83.20	39.55	0.00	43.65	--	--	--	--	--	--	--	--	--	
MW-9	10/07/20	83.20	39.55	0.00	43.65	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-9	09/07/21	83.20	39.61	0.00	43.59	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-9	04/12/22	83.20	39.65	0.00	43.55	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-9	08/23/22	83.20	39.60	0.00	43.60	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-10	03/04/01	75.85	40.70	--	35.15	--	--	--	**26.6**	**0.732**	<0.500	<1.00	--	--	
MW-10	04/21/01	75.85	40.57	--	35.28	--	--	--	--	--	--	--	--	--	
MW-10	05/30/01	75.85	40.29	--	35.56	--	--	--	--	--	--	--	--	--	
MW-10	06/27/01	75.85	41.75	--	34.10	--	--	--	**8.58**	<0.500	<0.500	<1.00	--	--	
MW-10	09/26/01	75.85	41.21	--	34.64	--	--	--	**1.1**	<0.500	<0.500	<1.00	--	--	
MW-10	12/09/01	75.85	42.00	--	33.85	--	--	--	**1.2**	<0.500	<0.500	<1.00	--	--	
MW-10	03/18/02	75.85	42.40	--	33.45	--	--	--	**1.9**	<0.500	<0.500	<1.00	--	--	
MW-10	06/24/02	75.85	41.96	--	33.89	--	--	--	**0.3**	<0.500	<0.500	<1.00	--	--	
MW-10	03/27/03	75.85	41.72	--	34.13	--	--	--	--	--	--	--	--	--	
MW-10	06/10/03	75.85	42.43	--	33.42	--	--	--	--	--	--	--	--	--	
MW-10	09/06/03	75.85	39.45	--	36.40	--	--	--	--	--	--	--	--	--	
MW-10	11/29/03	75.85	38.28	--	37.57	--	--	--	--	--	--	--	--	--	
MW-10	03/22/04	75.85	42.40	--	33.45	--	--	--	--	--	--	--	--	--	
MW-10	06/29/04	75.85	45.90	--	29.95	--	--	--	--	--	--	--	--	--	
MW-10	12/28/04	75.85	43.51	--	32.34	--	--	--	--	--	--	--	--	--	
MW-10	06/30/05	75.85	41.33	--	34.52	--	--	--	--	--	--	--	--	--	
MW-10	12/27/05	75.85	41.05	--	34.80	--	--	--	--	--	--	--	--	--	
MW-10	06/30/06	75.85	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	04/30/07	75.85	46.92	--	28.93	--	--	--	--	--	--	--	--	--	
MW-10	08/31/07	75.85	42.28	--	33.57	--	--	--	--	--	--	--	--	--	
MW-10	08/15/08	82.50	41.71	--	40.79	--	--	--	--	--	--	--	--	--	
MW-10	03/18/09	82.50	42.10	--	40.40	--	--	--	--	--	--	--	--	--	
MW-10	06/04/09	82.50	42.03	--	40.47	--	--	--	--	--	--	--	--	--	
MW-10	08/31/09	82.50	38.40	--	44.10	--	--	--	--	--	--	--	--	--	
MW-10	12/08/09	82.50	42.95	--	39.55	--	--	--	--	--	--	--	--	--	
MW-10	05/17/10	82.50	42.01	--	40.49	<10	**250**	--	<0.5	0.5	<0.5	<1.5	--	--	
MW-10	08/24/10	82.50	41.38	--	41.12	<10	**160**	--	<0.5	0.5	<0.5	<1.5	--	--	
MW-10	04/26/11	82.50	42.62	--	39.88	--	--	--	--	--	--	--	--	--	
MW-10	09/20/11	82.50	41.41	--	41.09	--	--	--	--	--	--	--	--	--	
MW-10	09/03/14	82.50	36.28	--	46.22	--	--	--	--	--	--	--	--	--	
MW-10	04/19/19	82.52	40.85	--	41.67	--	--	--	--	--	--	--	--	--	
MW-10	09/18/19	82.52	43.96	--	38.56	--	--	--	--	--	--	--	--	--	
MW-10	04/09/20	82.52	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate well
MW-10	10/07/20	82.52	43.50	0.00	39.02	--	--	--	--	--	--	--	--	--	
MW-10	09/07/21	82.52	38.72	0.00	43.80	--	--	--	--	--	--	--	--	--	
MW-10	04/12/22	82.52	38.58	0.00	43.94	--	--	--	--	--	--	--	--	--	
MW-10	08/23/22	82.52	25.46	0.00	57.06	--	--	--	--	--	--	--	--	--	
MW-11	03/04/01	77.27	49.65	--	27.62	--	--	--	**4.18**	<0.500	<0.500	<1.00	--	--	
MW-11	04/21/01	77.27	49.77	--	27.50	--	--	--	--	--	--	--	--	--	
MW-11	05/30/01	77.27	49.95	--	27.32	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-11	06/27/01	77.27	50.50	--	26.77	--	--	--	**2.61**	<0.500	<0.500	<1.00	--	--	
MW-11	09/26/01	77.27	50.72	--	26.55	--	--	--	**2.02**	<0.500	<0.500	<1.00	--	--	
MW-11	12/09/01	77.27	50.47	--	26.80	--	--	--	**0.538**	<0.500	<0.500	<1.00	--	--	
MW-11	03/18/02	77.27	50.55	--	26.72	--	--	--	--	--	--	--	--	--	
MW-11	06/24/02	77.27	50.30	--	26.97	--	--	--	**7.67**	<0.500	<0.500	<1.00	--	--	
MW-11	03/27/03	77.27	51.15	--	26.12	--	--	--	--	--	--	--	--	--	
MW-11	06/10/03	77.27	51.41	--	25.86	--	--	--	**1.97**	**1.19**	<0.500	**2.28**	--	--	
MW-11	09/06/03	77.27	52.40	--	24.87	--	--	--	--	--	--	--	--	--	
MW-11	11/29/03	77.27	51.80	--	25.47	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-11	03/22/04	77.27	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	06/29/04	77.27	51.03	--	26.24	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-11	12/28/04	77.27	51.06	--	26.21	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-11	06/30/05	77.27	50.63	--	26.64	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-11	12/27/05	77.27	50.46	--	26.81	--	--	--	--	--	--	--	--	--	
MW-11	06/30/06	77.27	50.95	--	26.32	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-11	04/30/07	77.27	49.99	--	27.28	--	--	--	--	--	--	--	--	--	
MW-11	08/31/07	77.27	50.75	--	26.52	--	--	--	<1	<1	<1	<2	<3	--	
MW-11	08/15/08	83.88	50.77	--	33.11	--	--	--	**6**	**3**	**2**	**10**	--	--	
MW-11	03/18/09	83.88	50.01	--	33.87	--	--	--	--	--	--	--	--	--	
MW-11	06/04/09	83.88	51.90	--	31.98	--	--	--	--	--	--	--	--	--	
MW-11	09/02/09	83.88	51.39	--	32.49	--	--	--	**7.1**	<0.5	<0.5	<1.5	--	--	
MW-11	12/08/09	83.88	59.40	--	24.48	--	--	--	--	--	--	--	--	--	
MW-11	05/17/10	83.88	50.55	--	33.33	<10	**210**	--	<0.5	0.9	<0.5	<1.5	--	--	
MW-11	08/24/10	83.88	51.10	--	32.78	<10	**400**	--	<0.5	0.9	<0.5	<1.5	--	--	
MW-11	04/26/11	83.88	50.56	--	33.32	<10	**210**	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-11	09/20/11	83.88	51.32	--	32.56	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-11	05/18/12	83.88	50.69	--	33.19	<10	**270**	<48	**1**	<0.5	<0.5	<1.5	--	--	
MW-11	09/17/12	83.88	51.38	--	32.50	<10	**130**	<51	**1.4**	<0.5	<0.5	<1.5	--	--	
MW-11	04/29/13	83.88	50.15	--	33.73	<100	<520	--	**1.5**	<1.0	<1.0	<3.0	--	--	
MW-11	09/17/13	83.88	50.85	--	33.03	<100	<420	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-11	04/28/14	83.88	49.00	--	34.88	<100	<260	--	**7.2**	<1.0	<1.0	<3.0	--	--	
MW-11	09/03/14	83.88	51.05	--	32.83	--	--	--	--	--	--	--	--	--	Well Flooded
MW-11	04/14/15	83.88	50.42	--	33.46	<100	<430	--	**2.3**	<1.0	<1.0	<3.0	--	--	
MW-11	09/02/15	83.88	51.99	--	31.89	<100	**2,000**	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-11	04/12/16	83.88	51.32	--	32.56	<10	**200**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-11	09/15/16	83.88	52.60	--	31.28	<10	**290**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-11	05/10/17	83.88	51.32	--	32.56	<10	**190**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-11	09/11/17	83.88	52.13	--	31.75	<10	**940**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-11	04/06/18	83.88	51.21	--	32.67	<10	**190 J**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-11	10/24/18	83.88	51.76	--	32.12	<14	<430 B	--	<0.2	<0.2	<0.4	<1.0	--	--	
MW-11	10/24/18	83.88	51.76	--	32.12	<14	<330 B	--	<0.2	<0.2	<0.4	<1.0	--	--	Duplicate
MW-11	04/19/19	83.95	52.55	--	31.40	--	--	--	--	--	--	--	--	--	
MW-11	09/24/19	83.95	54.00	--	29.95	<100 [<100]	**140 J [200 J]**	--	<0.53 [<0.53]	<0.39 [<0.39]	<0.50 [<0.50]	<0.75 [<0.75]	--	--	
MW-11	04/09/20	83.95	--	0.00	--	--	--	--	--	--	--	--	--	--	Well vault frozen with ice, Could not free PVC Without damaging it
MW-11	10/08/20	83.95	52.64	0.00	31.31	<100 [<100]	<800 [<800]	--	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<3.00 [<3.00]	<1.00 [<1.00]	***<5.00 [<5.00]***	
MW-11	09/07/21	83.95	53.14	0.00	30.81	<100	<800 B	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-11	04/12/22	83.95	52.35	0.00	31.60	<100	244 J	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00 J***	
MW-11	08/23/22	83.95	53.18	0.00	30.77	<100	<800 B	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-12	03/04/01	77.28	51.20	--	26.08	--	--	--	<0.500	<0.500	<0.500	<1.00	--	--	
MW-12	04/21/01	77.28	51.35	--	25.93	--	--	--	--	--	--	--	--	--	
MW-12	05/30/01	77.28	51.37	--	25.91	--	--	--	--	--	--	--	--	--	
MW-12	06/27/01	77.28	53.52	--	23.76	--	--	--	**0.32**	<0.500	<0.500	<1.00	--	--	
MW-12	09/26/01	77.28	52.36	--	24.92	--	--	--	<0.200	<0.500	<0.500	<1.00	--	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-12	12/09/01	77.28	51.85	--	25.43	--	--	--	<0.200	<0.500	<0.500	<1.00	--	--	
MW-12	03/18/02	77.28	51.88	--	25.40	--	--	--	--	--	--	--	--	--	
MW-12	06/24/02	77.28	52.40	--	24.88	--	--	--	<0.200	<0.500	<0.500	<1.00	--	--	
MW-12	03/27/03	77.28	52.48	--	24.80	--	--	--	--	--	--	--	--	--	
MW-12	06/10/03	77.28	53.93	--	23.35	--	--	--	<0.500	<0.500	<0.500	<1.0	--	--	
MW-12	09/06/03	77.28	54.45	--	22.83	--	--	--	--	--	--	--	--	--	
MW-12	11/29/03	77.28	53.30	--	23.98	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-12	03/22/04	77.28	52.47	--	24.81	--	--	--	--	--	--	--	--	--	
MW-12	06/29/04	77.28	52.50	--	24.78	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-12	12/28/04	77.28	52.55	--	24.73	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-12	06/30/05	77.28	53.17	--	24.11	--	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-12	12/27/05	77.28	53.17	--	24.11	--	--	--	**0.824**	<0.5	<0.5	<1.5	--	--	
MW-12	06/30/06	77.28	52.96	--	24.32	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	04/30/07	77.28	51.37	--	25.91	--	--	--	<1.0	<1.0	<1.0	<2.0	--	--	
MW-12	08/31/07	77.28	51.93	--	25.35	--	--	--	<1	<1	<1	<2	<3	--	
MW-12	01/23/08	77.28	51.39	--	25.89	--	--	--	<1	<1	<1	<2	--	--	
MW-12	08/15/08	83.90	52.25	--	31.65	--	--	--	<1	<1	<1	**3**	--	--	
MW-12	03/18/09	83.90	51.20	--	32.70	--	--	--	--	--	--	--	--	--	
MW-12	06/04/09	83.90	51.39	--	32.51	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	09/01/09	83.90	53.00	--	30.90	--	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	12/08/09	83.90	52.27	--	31.63	--	--	--	--	--	--	--	--	--	
MW-12	05/17/10	83.90	51.61	--	32.29	<10	**360**	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	08/24/10	83.90	52.65	--	31.25	<10	**160**	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	04/26/11	83.90	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed
MW-12	09/20/11	83.90	52.82	--	31.08	<10	**220**	**91**	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	05/18/12	83.90	51.84	--	32.06	<10	**430**	**73**	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	09/17/12	83.90	52.33	--	31.57	<10	**410**	**52**	<0.5	<0.5	<0.5	<1.5	--	--	
MW-12	04/29/13	83.90	44.40	--	39.50	<100	<520	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-12	09/17/13	83.90	52.75	--	31.15	<100	<420	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-12	04/28/14	83.90	50.74	--	33.16	<100	**270**	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-12	09/04/14	83.90	51.63	--	32.27	<100	<400	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-12	04/14/15	83.90	52.25	--	31.65	<100	<400	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-12	09/03/15	83.90	54.31	--	29.59	<100	<400	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-12	04/13/16	83.90	53.10	--	30.80	<10	**400**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-12	09/16/16	83.90	54.43	--	29.47	<10	**1,100**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-12	05/11/17	83.90	52.98	--	30.92	--	--	--	--	--	--	--	--	--	Not Sampled
MW-12	09/11/17	83.90	53.77	--	30.13	<10	**280**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-12	04/06/18	83.90	**--**	**--**	**--**	<10	**130 J**	--	<0.5	<0.5	<0.5	<0.5	--	--	Well not gauged - Half Frozen
MW-12	10/24/18	83.90	53.48	--	30.42	<14	<500 B	--	<0.2	<0.2	<0.4	<1.0	--	--	
MW-12	04/19/19	84.04	53.86	--	30.18	**14 J**	<490 B	--	<0.2	<1 B	<0.4	<1	--	--	
MW-12	09/18/19	84.04	56.56	--	27.48	--	--	--	--	--	--	--	--	--	
MW-12	04/09/20	84.04	53.71	0.00	30.33	**29.1 J**	**727 J**	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-12	10/07/20	84.04	54.05	0.00	29.99	<100	<800	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00 J***	
MW-12	09/07/21	84.04	54.62	0.00	29.42	<100	<800 B	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-12	04/12/22	84.04	53.45	0.00	30.59	<100 J	460 J	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00 J***	
MW-12	08/23/22	84.04	54.99	0.00	29.05	<100	<888 B	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-13	03/04/01	78.28	52.20	--	26.08	--	--	--	**262**	<2.50	<2.50	<5.00	--	--	
MW-13	04/21/01	78.28	52.38	--	25.90	--	--	--	--	--	--	--	--	--	
MW-13	05/30/01	78.28	52.52	--	25.76	--	--	--	--	--	--	--	--	--	
MW-13	06/27/01	78.28	54.10	--	24.18	--	--	--	**0.36**	<0.500	<0.500	<1.00	--	--	
MW-13	09/26/01	78.28	53.41	--	24.87	--	--	--	**1,050**	**5.46**	**6.08**	**17.2**	--	--	
MW-13	12/09/01	78.28	52.86	--	25.42	--	--	--	**3,110**	<0.500	**57.8**	**191**	--	--	
MW-13	03/18/02	78.28	52.98	--	25.30	--	--	--	**71.5**	<0.500	<0.500	<1.00	--	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-13	06/24/02	78.28	53.25	--	25.03	--	--	--	**1.16 / 0.711**	<0.50/<0.50	<0.50/<0.50	<1.00/<1.00	--	--	
MW-13	03/27/03	78.28	53.60	--	24.68	--	--	--	**0.813**	<0.5	<0.5	<1.0	--	--	
MW-13	06/10/03	78.28	54.68	--	23.60	--	--	--	<0.5 [<0.5]	<0.5 [<0.5]	<0.5 [<0.5]	<1.0 [<1.0]	--	--	
MW-13	09/06/03	78.28	55.33	--	22.95	--	--	--	**81.9**	**15.7**	**2.37**	**10.2**	--	--	
MW-13	11/29/03	78.28	54.25	--	24.03	--	--	--	**2,710 [2,770]**	**8.51 [9.24]**	**<0.500 [<0.0500]**	**59.9 [66.2]**	--	--	
MW-13	03/22/04	78.28	53.40	--	24.88	--	--	--	**764**	**0.884**	<0.500	**1.4**	--	--	
MW-13	06/29/04	78.28	53.43	--	24.85	<50	--	--	**1.8**	<0.5	<0.5	<1.0	--	--	
MW-13	09/15/04	78.28	--	--	--	<50	--	--	**3.75**	<0.5	<0.5	<1.0	--	--	
MW-13	12/28/04	78.28	53.51	--	24.77	**3,400**	--	--	**1,690**	3.0	<0.5	<1.0	--	--	
MW-13	03/29/05	78.28	--	--	--	**430**	--	--	**138**	<0.5	<0.5	<1.0	--	--	
MW-13	06/30/05	78.28	53.86	--	24.42	<50	--	--	<0.5	<0.5	<0.5	<1.0	--	--	
MW-13	09/28/05	78.28	--	--	--	**<5,000**	--	--	**640**	<50	<50	<150	--	--	
MW-13	12/27/05	78.28	52.89	--	25.39	**4,150/4,290**	--	--	**1,380/1,430**	<5/<5	<5/<5	<15/<15	--	--	
MW-13	03/31/06	78.28	--	--	--	<50	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	06/30/06	78.28	53.80	--	24.48	<50	--	--	**0.634**	<0.5	<0.5	<1.5	--	--	
MW-13	11/18/06	78.28	--	--	--	**<10,000**	--	--	**7.6**	<1.0	<1.0	<2.0	--	--	
MW-13	04/30/07	78.28	52.25	--	26.03	<10	--	--	<1/<1	<1/<1	<1/<1	<2/<2	--	--	
MW-13	08/31/07	78.28	53.18	--	25.10	10	--	--	<1	<1	<1	<2	<3	--	
MW-13	10/31/07	78.28	52.71	--	25.57	10	--	--	<1	<1	<1	<2	<3	--	
MW-13	01/23/08	78.28	52.31	--	25.97	10	--	--	<1	<1	<1	<2	--	--	
MW-13	06/27/08	78.28	52.90	--	25.38	<10	--	--	<1	<1	<1	<2	--	--	
MW-13	08/08/08	84.89	53.24	--	31.65	<10/<10	**87/110**	--	<1/<1	<1/<1	<1/<1	<2/<2	--	--	
MW-13	12/09/08	84.89	52.35	--	32.54	**20**	--	--	<1	<1	<1	<2	<3	--	
MW-13	03/18/09	84.89	52.14	--	32.75	**15**	<49	--	<0.5	<0.5	<0.5	<1.5	<2.5	--	
MW-13	06/04/09	84.89	52.32	--	32.57	**17**	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	09/01/09	84.89	53.90	--	30.99	**20**	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	12/08/09	84.89	53.18	--	31.71	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	05/17/10	84.89	52.60	--	32.29	<10	<50	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	06/25/10	--	--	--	--	<10	<49	--	<0.5	<0.5	<0.5	<1.5	--	--	Sampling performed for post-surfactant injection monitoring.
MW-13	08/25/10	84.89	53.60	--	31.29	<10	160	--	<0.5	0.7	<0.5	<1.5	--	--	
MW-13	04/26/11	84.89	53.60	--	31.29	<10	<48	--	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	09/20/11	84.89	53.79	--	31.10	**28**	<47	<48	**4.9**	<0.5	<0.5	<1.5	--	--	
MW-13	05/18/12	84.89	52.75	--	32.14	<10	**58**	<47	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	09/17/12	84.89	53.21	--	31.68	<10	**250**	**89**	<0.5	<0.5	<0.5	<1.5	--	--	
MW-13	04/30/13	84.89	52.41	--	32.48	<100	<520	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-13	09/17/13	84.89	53.62	--	31.27	<100	<420	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-13	04/28/14	84.89	51.62	--	33.27	<100	<260	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-13	09/04/14	84.89	55.21	--	29.68	<100	<400	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-13	04/14/15	84.89	53.13	--	31.76	<100	<420	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-13	09/03/15	84.89	55.03	--	29.86	<100	<410	--	<1.0	<1.0	<1.0	<3.0	--	--	
MW-13	04/13/16	84.89	53.89	--	31.00	<10	<49	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-13	09/16/16	84.89	55.28	--	29.61	<10	**73**	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-13	05/11/17	84.89	53.73	--	31.16	<10	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-13	09/11/17	84.89	54.58	--	30.31	<10	<51	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-13	04/06/18	84.89	54.58	--	30.31	<10	<51	--	<0.5	<0.5	<0.5	<0.5	--	--	
MW-13	10/24/18	84.89	54.20	--	30.69	<14	<120 B	--	<0.2	<0.2	<0.4	<1.0	--	--	
MW-13	04/19/19	84.89	54.73	--	30.16	<14	<270 B	--	<0.2	<0.2	<0.4	<1	--	--	
MW-13	09/24/19	84.89	57.22	--	27.67	<100	<94	--	<0.53	<0.39	<0.50	<0.75	--	--	
MW-13	04/09/20	84.89	54.63	0.00	30.26	**19.2 J**	<800	--	<1.00	**0.385 J**	**0.272 J**	**2.74 J**	<1.00	***<5.00***	
MW-13	10/07/20	84.89	54.86	0.00	30.03	<100 J	<800	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-13	04/14/21	84.89	54.40	0.00	30.49	<100 B	<840	--	<1.00	**0.402 J**	<1.00	**0.824 J**	<1.00	***<5.00***	
MW-13	09/07/21	84.89	55.41	0.00	29.48	<100	<925 B	--	<1.00	**0.365 J**	<1.00	<3.00	<1.00	***<5.00***	
MW-13	04/12/22	84.89	54.33	0.00	30.56	<100	<888	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
MW-13	08/23/22	84.89	55.80	0.00	29.09	<100	<800 B	--	**0.999 J**	<1.00	<1.00	<3.00	<1.00	***<5.00***	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
MW-14	09/20/11	82.62	23.25	--	59.37	--	--	--	--	--	--	--	--	--	
MW-14	05/18/12	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	09/17/12	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	04/29/13	82.62	23.05	--	59.57	--	--	--	--	--	--	--	--	--	
MW-14	09/17/13	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	04/28/14	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	09/03/14	82.62	23.43	--	59.19	--	--	--	--	--	--	--	--	--	
MW-14	04/14/15	82.62	23.40	--	59.22	--	--	--	--	--	--	--	--	--	
MW-14	09/02/15	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	09/15/16	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	05/10/17	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	09/11/17	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	04/06/18	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Frozen
MW-14	10/24/18	82.62	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	04/19/19	83.66	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	09/18/19	83.66	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
MW-14	04/09/20	83.66	--	--	--	--	--	--	--	--	--	--	--	--	Dry at 23.4 ft btoc
MW-14	10/07/20	83.66	23.35	0.00	60.31	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-14	04/14/21	83.66	--	0.00	--	--	--	--	--	--	--	--	--	--	Dry at 23.3 ft btoc
MW-14	09/07/21	83.66	--	0.00	--	--	--	--	--	--	--	--	--	--	Dry at 23.3 ft btoc
MW-14	04/12/22	83.66	--	0.00	--	--	--	--	--	--	--	--	--	--	Dry at 23.3 ft btoc
MW-14	08/23/22	83.66	--	0.00	--	--	--	--	--	--	--	--	--	--	Dry at 23.3 ft btoc
RW-14	03/04/01	77.46	50.65	--	26.81	--	--	--	--	--	--	--	--	--	Not sampled due to the presence of LNAPL
RW-14	04/21/01	77.46	50.82	--	26.38	--	--	--	--	--	--	--	--	--	
RW-14	05/30/01	77.46	50.94	--	26.52	--	--	--	--	--	--	--	--	--	
RW-14	06/27/01	77.46	52.55	--	24.49	--	--	--	--	--	--	--	--	--	Not sampled due to the presence of LNAPL
RW-14	07/19/01	77.46	52.82	--	24.35	--	--	--	--	--	--	--	--	--	
RW-14	08/19/01	77.46	--	--	--	--	--	--	--	--	--	--	--	--	
RW-14	09/26/01	77.46	51.90	--	26.2	--	--	--	--	--	--	--	--	--	Not sampled due to the presence of LNAPL
RW-14	10/23/01	77.46	51.71	--	25.47	--	--	--	--	--	--	--	--	--	
RW-14	11/29/01	77.46	51.28	--	26.18	--	--	--	--	--	--	--	--	--	
RW-14	12/09/01	77.46	51.28	--	26.18	--	--	--	--	--	--	--	--	--	Not sampled due to the presence of LNAPL
RW-14	01/16/02	77.46	50.83	--	26.63	--	--	--	--	--	--	--	--	--	
RW-14	02/26/02	77.46	51.36	--	26.10	--	--	--	--	--	--	--	--	--	
RW-14	03/18/02	77.46	51.04	--	26.42	--	--	--	--	--	--	--	--	--	Not sampled due to the presence of LNAPL
RW-14	04/30/02	77.46	51.25	--	26.21	--	--	--	--	--	--	--	--	--	
RW-14	05/24/02	77.46	51.09	--	25.72	--	--	--	--	--	--	--	--	--	
RW-14	06/24/02	77.46	51.58	--	25.47	--	--	--	--	--	--	--	--	--	Not sampled due to the presence of LNAPL
RW-14	01/31/03	77.46	51.49	--	25.97	--	--	--	--	--	--	--	--	--	
RW-14	03/01/03	77.46	51.57	--	25.89	--	--	--	--	--	--	--	--	--	
RW-14	03/27/03	77.46	51.57	--	25.89	--	--	--	--	--	--	--	--	--	
RW-14	05/31/03	77.46	52.41	**0.01**	25.06	--	--	--	--	--	--	--	--	--	
RW-14	06/10/03	77.46	53.49	**0.01**	23.98	--	--	--	--	--	--	--	--	--	
RW-14	06/30/03	77.46	53.49	**0.01**	23.98	--	--	--	--	--	--	--	--	--	
RW-14	07/31/03	77.46	54.15	**0.01**	23.32	--	--	--	--	--	--	--	--	--	
RW-14	09/06/03	77.46	53.81	**0.02**	23.67	--	--	--	--	--	--	--	--	--	Duplicate (labeled RW-15) assumed to be from well RW-14.
RW-14	10/27/03	77.46	53.07	**0.01**	24.40	--	--	--	--	--	--	--	--	--	
RW-14	11/29/03	77.46	52.65	**0.01**	24.82	--	--	--	--	--	--	--	--	--	Duplicate (labeled RW-15) assumed to be from well RW-14.
RW-14	03/22/04	77.46	51.86	**0.01**	25.61	--	--	--	--	--	--	--	--	--	Duplicate (labeled RW-15) assumed to be from well RW-14.
RW-14	06/29/04	77.46	51.84	**film**	25.62	--	--	--	--	--	--	--	--	--	
RW-14	12/28/04	77.46	50.84	**film**	26.62	--	--	--	--	--	--	--	--	--	
RW-14	06/30/05	77.46	50.30	**film**	27.16	--	--	--	--	--	--	--	--	--	

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
RW-14	09/28/05	77.46	50.13	--	27.33	--	--	--	--	--	--	--	--	--	
RW-14	12/27/05	77.46	50.02	--	27.44	--	--	--	--	--	--	--	--	--	
RW-14	03/31/06	77.46	51.66	**0.01**	25.81	--	--	--	--	--	--	--	--	--	Duplicate (labeled RW-15) assumed to be from well RW-14.
RW-14	06/30/06	77.46	52.33	**film**	25.13	--	--	--	--	--	--	--	--	--	
RW-14	04/30/07	77.46	48.35	**film**	29.11	--	--	--	--	--	--	--	--	--	
RW-14	08/31/07	77.46	50.03	--	27.43	--	--	--	--	--	--	--	--	--	
RW-14	10/31/07	77.46	49.20	--	28.26	**6,000/5,700**	**1,400/1,100**	--	**100/90**	**600/600**	**200/200**	**1,000/1,000**	<10/<10	--	Duplicate (labeled RW-15) assumed to be from well RW-14.
RW-14	01/24/08	77.46	48.68	--	28.78	**7,300/7,000**	**2,900/2,200**	--	**30/40**	**500/500**	**200/200**	**1,300/1,300**		--	Duplicate
RW-14	07/01/08	77.46	51.78	--	25.68	**3,500**	**1,500**	--	**9**	**100**	**60**	**400**		--	
RW-14	08/15/08	83.85	51.78	--	32.07	**1,500**	**780**	--	**20**	**40**	**20**	**100**	**--**	--	
RW-14	12/09/08	83.85	50.75	--	33.10	**700/700**	**690/250**	--	**8/8**	**20/20**	**10/10**	**60/60**	<3/<5	--	
RW-14	03/18/09	83.85	50.59	--	33.26	**1,600**	**1,700**	--	**7**	**11**	**16**	**100**	<2.5	--	
RW-14	06/05/09	83.85	50.81	--	33.04	**1,100**	**530.00**	--	**5.7**	**17**	**23**	**130**	--	--	
RW-14	09/02/09	83.85	52.51	**0.02**	31.36	--	--	--	--	--	--	--	--	--	
RW-14	12/08/09	83.85	51.63	--	32.22	**19,000**	**2,300**	--	**83**	**1,800**	**540**	**4,400**		--	
RW-14	05/17/10	83.85	51.06	--	32.79	**7,200**	**1,500**	--	**14**	**310**	**240**	**1,700**	--	--	
RW-14	05/21/10	--	--	--	--	**6,300**	**5,500**	--	**54**	**240**	**150**	**1,100**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	05/24/10	--	--	--	--	**5,500**	**2,200**	--	**260**	**470**	**130**	**810**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	05/27/10	--	--	--	--	**2,900/4,900**	**4,300/3,900**	--	**88/160**	**250/390**	**63/110**	**390/750**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	06/03/10	--	--	--	--	**6,700**	**3,100**	--	**73**	**420**	**150**	**1,300**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	06/09/10	--	--	--	--	**14,000/13,000**	**1,800/2,400**	--	**59/54**	**580/540**	**250/240**	**2,200/2,400**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	06/19/10	--	--	--	--	**5,800**	**1,700**	--	**32**	**450**	**140**	**4,000**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	06/25/10	83.85	56.41	--	32.79	**6,800**	**5,200**	--	**28**	**280**	**98**	**1,400**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	07/29/10	83.85	52.27	--	31.58	**9,400**	**3,600**	--	**43**	**310**	**120**	**2,200**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	08/25/10	83.85	51.9	--	31.95	**5,400/1,200**	**4,100/3,600**	--	**23/19**	**95/52**	**51/15**	**610/210**	--	--	
RW-14	10/19/10	83.85	51.15	--	32.70	**6,300**	**2,200**	--	**20**	**52**	**54**	**710**	--	--	Sampling performed for post-surfactant injection monitoring.
RW-14	04/26/11	83.85	51.04	--	32.81	**2,500**	**2,900**	--	**13**	**36**	**18**	**610**	--	--	
RW-14	09/20/11	83.85	52.05	--	31.80	**4,800**	**1,800**	**1,300**	**93**	**370**	**37**	**1,100**	--	--	
RW-14	05/18/12	83.85	51.38	--	32.47	**1,700**	**990**	**540**	**8.7**	**8.8**	**13**	**78**	--	--	
RW-14	09/17/12	83.85	51.6	--	32.25	**1,100**	**360**	**120**	**7.6**	<4.0	**11**	**29**	--	--	
RW-14	04/30/13	83.85	49.8	--	34.05	**795**	<510	--	**7.7**	**1.7**	**22.5**	**95.7**	--	--	
RW-14	09/17/13	83.85	52.05	--	31.80	**281**	<410	--	**6.7**	**1.7**	**11.4**	**28.8**	--	--	
RW-14	09/17/13	83.85	52.05	--	31.80	**230**	<420	--	**19.2**	**26.4**	**10.5**	**37.6**	--	--	Duplicate
RW-14	04/28/14	83.85	50.05	--	33.80	**443**	**850**	--	**5.4**	<1.0	**12.7**	**34.9**	--	--	
RW-14	04/28/14	83.85	50.05	--	33.80	**436**	**1,000**	--	**5.4**	<1.0	**12.6**	**35**	--	--	Duplicate
RW-14	09/04/14	83.85	53.44	--	30.41	**435**	**1,100**	--	**5**	<1.0	**16.8**	**40.2**	--	--	
RW-14	04/15/15	83.85	51.45	--	32.40	<100	<400	--	**2.9**	<1.0	**4.4**	**3.5**	--	--	
RW-14	09/03/15	83.85	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
RW-14	04/13/16	83.85	51.36	--	32.49	**210**	**810**	--	**3.0**	<0.5	**3**	**1.0**	--	--	
RW-14	09/15/16	83.85	54.30	--	29.55	**82**	**89**	--	**2.0**	<0.5	**3**	<0.5	--	--	
RW-14	05/10/17	83.85	52.25	--	31.60	--	--	--	--	--	--	--	--	--	Well Dry
RW-14	09/11/17	83.85	--	--	--	--	--	--	--	--	--	--	--	--	Well Dry
RW-14	04/06/18	83.85	--	--	--	**120**	**140 J**	--	**2.0**	<0.5	<0.5	<0.5	--	--	Obstruction, well not gauged
RW-14	10/24/18	83.85	--	--	--	--	--	--	--	--	--	--	--	--	
RW-14	04/19/19	83.89	53.15	--	30.74	**280**	<560 B	--	**2**	<0.2	**7**	<1	--	--	Well Dry
RW-14	09/18/19	83.89	Dry	--	Dry	--	--	--	--	--	--	--	--	--	Well Dry
RW-14	04/09/20	83.89	53.10	0.00	30.79	--	--	--	--	--	--	--	--	--	Unable to sample due to pump stuck in well
RW-14	10/07/20	83.89	53.26	0.00	30.63	--	--	--	--	--	--	--	--	--	Unable to sample due to pump stuck in well
RW-14	04/14/21	83.89	52.78	0.00	31.11	--	--	--	--	--	--	--	--	--	Unable to sample due to pump stuck in well
RW-14	09/07/21	83.89	53.90	0.00	29.99	--	--	--	--	--	--	--	--	--	Unable to sample due to pump stuck in well
RW-14	04/12/22	83.89	Dry	0.00	Dry	--	--	--	--	--	--	--	--	--	Well Dry
RW-14	08/23/22	83.89	54.05	0.00	29.84	--	--	--	--	--	--	--	--	--	Unable to sample due to pump stuck in well
QA-TB	04/09/20	--	--	--	--	<100	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	--	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	
QA-TB	10/08/20	--	--	--	--	<100	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	--	
QA-TB	04/14/21	--	--	--	--	**11.1 J**	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	--	
QA-TB	09/07/21	--	--	--	--	**32.7 J**	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00 J***	
QA-TB	04/12/22	--	--	--	--	<100	--	--	<1.00	<1.00	<1.00	<3.00	<1.00	--	
QA-TB	08/23/22	--	--	--	--	**35 J**	--	--	--	--	--	--	--	--	
QA-EB	04/08/20	--	--	--	--	<100	<840	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
QA-EB	10/07/20	--	--	--	--	<100	<800	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
QA-EB	04/14/21	--	--	--	--	**11.4 J**	<840	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
QA-EB	09/07/21	--	--	--	--	<100	**520 J**	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
QA-EB	04/12/22	--	--	--	--	<100	<888	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	
QA-EB	08/23/22	--	--	--	--	**311**	**326**	--	<1.00	<1.00	<1.00	<3.00	<1.00	***<5.00***	

Table 1. Historical Groundwater Analtyical Results
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	LNAPL Thickness (feet)	GW Elev (ft)	GRO (µg/L)	DRO (µg/L)	DRO w/si (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Comments
ADEC Groundwater Cleanup Levels						**2,200**	**1,500**	**1,500**	**4.6**	**1,100**	**15**	**190**	**140**	**1.7**	

Notes:

ID = Identification
MW, RW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet relative to NAVD88
GW Elev = Groundwater elevation
µg/L = Micrograms per liter
Additional analysis for diesel range organics will be included on the laboratory report for April 2015 event.
UB (or B): Compound considered non-detect at the listed value due to associated blank contamination.
Bold = Value exceeds laboratory method detection limit (MDL)
Bold and shaded = Value exceeds ADEC Groundwater Cleanup Level
Bold and Italicized = Constituent considered non-detect, however Laboratory RDL is greater than the ADEC Groundwater Cleanup Level
<100 = Not detected at or above the reported detection limit (RDL)
J = The associated numerical value is an estimated concentration only

GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to State of Alaska Method AK101.
DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to State of Alaska Method AK102.
Samples analytes by USEPA Method 8260D:
Benzene, Toluene, Ethylbenzene and Total xylenes (collectively BTEX)
MTBE = Methyl-t-butyl ether
Samples analytes by USEPA Method 8270E-SIM: Naphthalene
QA-EB = Quality Assurance, Equipment Blank
QA-TB = Quality Assurance, Trip Blank
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry
[ ] -Blind Duplicate Sample Results
NAVD 88 = North American Vertical Datum of 1988
ADEC GCL = Alaska Department of Environmental Conservation groundwater cleanup level
ND = Not detected
LNAPL = Light non-aqueous phase liquid
-- = Not sampled/not measured
D = The result reported from diluted analysis

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	Acetone (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Bromobenzene (µg/L)	Bromochloromethane (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)
ADEC Groundwater Cleanup Levels		**14,000**	**--**	**--**	**62**	**--**	**1.3**	**33**	**7.5**	**1,000**	**2,000**
MW-5	**4/9/2020**	<50.0	<50.0	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-5	**10/7/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	**0.325 J**
MW-5	**9/7/2021**	<50.0 [<50.0]	<50.0 [<50.0]	<10.0 [<10.0]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]
MW-5	**4/12/2022**	<250 [<500]	<250 [<500]	<50.0 [<100]	<5.00 [<10.0 J]	<5.00 [<10.0]	***<5.00 [<10.0]***	<5.00 [<10.0]	***<25.0 [<50.0]***	<5.00 [<10.0]	<5.00 [<10.0]
MW-5	**8/23/2022**	<250 [<500]	<250 J [<500 J]	<50.0 [<100]	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 [<10.0]***	<5.00 [<10.0]	***<25.0 [<50.0]***	<5.00 [<10.0]	<5.00 [<10.0]
MW-5A	**4/9/2020**	<50.0 [<50.0]	<50.0 [<50.0]	<10.0 [<10.0]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]
MW-5A	**10/7/2020**	<50.0 [<50.0]	<50.0 [<50.0]	<10.0 [<10.0]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	**0.219 J [0.282 J]**
MW-5A	**4/14/2021**	<50.0	<50.0	<10.0	<1.00 J	<1.00 J	<1.00 J	<1.00	<5.00 J	**0.909 J**	**2.00 J**
MW-5A	**9/7/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	**0.870 J**	**2.39**
MW-5A	**4/12/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.50 B	**1.66**
MW-5A	**8/23/2022**	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-7	**4/9/2020**	<12,500	<12,500	<2,500	***<250***	<1,250	***<250***	***<250***	***<1,250***	<250	<250
MW-7	**10/8/2020**	<12,500	<12,500	<2,500	***<250***	<250	***<250***	***<250***	***<1,250***	<250	<250
MW-7	**4/14/2021**	<12,500 [<5,000]	<12,500 [<5,000]	<2,500 [<1,000]	***<250 [<100]***	<250 [<100]	***<250 [<100]***	***<250 [<100]***	***<1,250 [<500]***	<250 [<100]	<250 [<100]
MW-7	**9/7/2021**	***<50,000***	<50,000	<10,000	***<1,000***	<1,000	***<1,000***	***<1,000***	***<5,000***	<1,000	<1,000
MW-7	**4/12/2022**	***<50,000***	<50,000	<10,000	***<1,000 J***	<1,000	***<1,000***	***<1,000***	***<5,000***	<1,000	<1,000
MW-7	**8/23/2022**	***<50,000***	<50,000	<10,000	***<1,000***	<1,000	***<1,000***	***<1,000***	***<5,000***	<1,000	<1,000
MW-7A	**4/9/2020**	<50.0	<50.0	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-7A	**10/8/2020**	<1,250	<1,250	<250	<25.0	<25.0	***<25.0***	<25.0	***<125***	<25.0	<25.0
MW-7A	**4/14/2021**	<1,250	<1,250	<250	<25.0	<25.0	***<25.0***	<25.0	***<125***	<25.0	**3.58 J**
MW-7A	**9/7/2021**	<1,250	<1,250	<250	<25.0	<25.0	***<25.0***	<25.0	***<125***	<25.0	<25.0
MW-7A	**4/12/2022**	<1,250	<1,250	<250	<25.0 J	<25.0	***<25.0***	<25.0	***<125***	<25.0	**5.78 J**
MW-7A	**8/23/2022**	<1,250	<1,250 J	<250	<25.0	<25.0	***<25.0***	<25.0	***<125***	<25.0	<25.0
MW-11	**4/9/2020**	--	--	--	--	--	--	--	--	--	--
MW-11	**10/8/2020**	<50.0 [<50.0]	<50.0 [<50.0]	<10.0 [<10.0]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00	<1.00
MW-11	**9/7/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<50.0	<1.00
MW-11	**4/12/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-11	**8/23/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-12	**4/9/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-12	**10/7/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-12	**9/7/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-12	**4/12/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-12	**8/23/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	**4/9/2020**	<50.0	<50.0	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	**10/7/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	**4/14/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	**9/7/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	**4/12/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
MW-13	**8/23/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chlorobenzene (µg/L)	Chlorodibromomethane (Dibromochloromethane) (µg/L)	Chloroethane (Ethyll Chloride) (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	2-Chlorotoluene (o-Chlorotoluene) (µg/L)	4-Chlorotoluene (p-Chlorotoluene) (µg/L)
ADEC Groundwater Cleanup Levels		**690**	**810**	**4.6**	**78**	**8.7**	**21,000**	**2.2**	**190**	**--**	**--**
MW-5	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-5	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-5	**9/7/2021**	<1.00 [<1.00]	<1.00[<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	**2.81 J [2.84 J]**	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]
MW-5	**4/12/2022**	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 [<10.0]***	<5.00 [<10.0]	<5.00 [***<10.0***]	<25.0 [<50.0]	***<25.0 [<50.0]***	<12.5 [<25.0]	<5.00 [<10.0 J]	<5.00 [<10.0]
MW-5	**8/23/2022**	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 [<10.0]***	<5.00 [<10.0]	<5.00 [***<10.0***]	<25.0 [<50.0]	***<25.0 [<50.0]***	<12.5 [<25.0]	<5.00 [<10.0]	<5.00 [<10.0]
MW-5A	**4/9/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	***<5.00 [<5.00]***	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]
MW-5A	**10/7/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	***<5.00 [<5.00]***	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]
MW-5A	**4/14/2021**	<1.00 J	<1.00 J	<1.00 J	<1.00 J	<1.00	<5.00 J	***<5.00 J***	<2.50 J	<1.00 J	<1.00 J
MW-5A	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**0.315 J**	<2.50	<1.00	<1.00
MW-5A	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-5A	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-7	**4/9/2020**	<250	<250	***<250***	***<250***	***<250***	<1,250	***<1,250***	***<625***	<250	<250
MW-7	**10/8/2020**	<250	<250	***<250***	***<250***	***<250***	<1,250	***<1,250***	***<625***	<250	<250
MW-7	**4/14/2021**	<250 [<100]	<250 [<100]	***<250 [<100]***	***<250 [<100]***	***<250 [<100]***	<1,250 [<500]	***<1,250 [<500]***	***<625 [<250]***	<250 [<100]	<250 [<100]
MW-7	**9/7/2021**	***<1,000***	***<1,000***	***<1,000***	***<1,000***	***<1,000***	<5,000	***<5,000***	***<2,500***	<1,000	<1,000
MW-7	**4/12/2022**	***<1,000***	***<1,000***	***<1,000***	***<1,000***	***<1,000***	<5,000	***<5,000***	***<2,500***	<1,000 J	<1,000
MW-7	**8/23/2022**	***<1,000***	***<1,000***	***<1,000***	***<1,000***	***<1,000***	<5,000	***<5,000***	***<2,500***	<1,000	<1,000
MW-7A	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-7A	**10/8/2020**	<25.0	<25.0	***<25.0***	<25.0	***<25.0***	<125	***<125***	<62.5	<25.0	<25.0
MW-7A	**4/14/2021**	<25.0	<25.0	***<25.0***	<25.0	***<25.0***	<125	***<125***	<62.5	<25.0	<25.0
MW-7A	**9/7/2021**	<25.0	<25.0	***<25.0***	<25.0	***<25.0***	<125	***<125***	<62.5	<25.0	<25.0
MW-7A	**4/12/2022**	<25.0	<25.0	***<25.0***	<25.0	***<25.0***	<125	***<125***	<62.5	<25.0 J	<25.0
MW-7A	**8/23/2022**	<25.0	<25.0	***<25.0***	<25.0	***<25.0***	<125	***<125***	<62.5	<25.0	<25.0
MW-11	**4/9/2020**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-11	**10/8/2020**	<1.00	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	***<5.00 [<5.00]***	<2.50 [<2.50]	<1.00 [<1.00]	<1.00 [<1.00]
MW-11	**9/7/2021**	<5.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-11	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00 B***	<2.50	<1.00	<1.00
MW-11	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-12	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-12	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-12	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-12	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00 B***	<2.50	<1.00	<1.00
MW-12	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-13	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-13	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-13	**4/14/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-13	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
MW-13	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00 B***	<2.50	<1.00	<1.00
MW-13	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	1,2-Dibromo-3-chloropropane (µg/L)	Dibromomethane (Methylene bromide) (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dichlorobenzene (o-Dichlorobenzene) (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Dichlorodifluoromethane (Freon 12) (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
ADEC Groundwater Cleanup Levels		**--**	**8.3**	**0.0750**	**300**	**300**	**4.8**	**200**	**28**	**1.7**	**280**	**36**
MW-5	**4/9/2020**	<5.00	<1.00	***<0.500***	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-5	**10/7/2020**	<5.00	<1.00	***<0.125***	<1.00	<1.00	<1.00	<5.00	<1.00	**0.977 J**	<1.00	<1.00
MW-5	**9/7/2021**	<5.00 [<5.00]	<1.00 [<1.00]	***<0.250 [<0.250]***	<1.00	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 J [<5.00 J]	<1.00 [<1.00]	<1.00 [**1.08**]	<1.00 [<1.00]	<1.00 [<1.00]
MW-5	**4/12/2022**	<25.0 [<50.0]	<5.00 [<10.0]	***<0.250 [<0.250]***	<1.00 [<1.00]	<5.00 [<10.0]	***<5.00 [<10.0]***	<25.0 J [<50.0]	<5.00 [<10.0]	***<5.00*** **[1.65 J]**	<5.00 [<10.0]	<5.00 [<10.0]
MW-5	**8/23/2022**	<25.0 J [<50.0 J]	<5.00 [<10.0]	***<0.250 J [<0.250]***	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 [<10.0]***	<25.0 [<50.0]	<5.00 [<10.0]	**1.93 J [1.79 J]**	<5.00 [<10.0]	<5.00 [<10.0]
MW-5A	**4/9/2020**	<5.00 [<5.00]	<1.00 [<1.00]	**1.50 [1.55]**	<5.00 [<10.0]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	**0.478 J [0.439 J]**	<1.00 [<1.00]	<1.00 [<1.00]
MW-5A	**10/7/2020**	<5.00 [<5.00]	<1.00 [<1.00]	**1.06 [0.96]**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**0.236 J** [<1.00]
MW-5A	**4/14/2021**	<5.00	<1.00 J	**0.08**	<1.00 [<1.00]	<1.00 J	<1.00 J	<5.00 J	<1.00 J	**0.253 J**	<1.00 J	<1.00 J
MW-5A	**9/7/2021**	<5.00	<1.00	<0.0500 J	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
MW-5A	**4/12/2022**	<5.00	<1.00	**0.09**	<1.00	<1.00	<1.00	<5.00 J	<1.00	**0.195 J**	<1.00	<1.00
MW-5A	**8/23/2022**	<5.00 J	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-7	**4/9/2020**	<1,250	***<250***	**160**	<1.00	<250	***<250***	***<1,250***	***<250***	**158 J**	<250	***<250***
MW-7	**10/8/2020**	<1,250	***<250***	**180**	<250	<250	***<250***	***<1,250***	***<250***	**152 J**	<250	***<250***
MW-7	**4/14/2021**	<1,250 [<500]	***<250 [<100]***	**370 [380]**	<250	<250 [<100]	***<250 [<100]***	***<5,000 J***	***<250 [<100]***	**177 J [140]**	***<1,000***	***<250 [<100]***
MW-7	**9/7/2021**	<5,000	***<1,000***	**325**	***<1,000***	***<1,000***	***<1,000***	***<5,000***	***<1,000***	***<1,000***	***<1,000***	***<1,000***
MW-7	**4/12/2022**	<5,000	***<1,000***	**375**	***<1,000***	***<1,000***	***<1,000***	***<5,000***	***<1,000***	***<1,000***	***<1,000***	***<1,000***
MW-7	**8/23/2022**	<5,000	***<1,000***	**295**	***<1,000***	***<1,000***	***<1,000***	***<5,000***	***<1,000***	**165 J**	***<1,000***	***<1,000***
MW-7A	**4/9/2020**	<5.00	<1.00	**8.80**	<1.00	<1.00	<1.00	<5.00	<1.00	**10.4**	<1.00	<1.00
MW-7A	**10/8/2020**	<125	***<25.0***	**50.0 J**	<25.0	<25.0	***<25.0***	<125	<25.0	**31.9**	<25.0	<25.0
MW-7A	**4/14/2021**	<125	***<25.0***	**14**	<250 [<100]	<25.0	***<25.0***	***<1,250 [<500]***	<25.0	**11.0 J**	<250 [<100]	<25.0
MW-7A	**9/7/2021**	<125	***<25.0***	**0.65**	<25.0	<25.0	***<25.0***	<125 J	<25.0	**5.67 J**	<25.0	<25.0
MW-7A	**4/12/2022**	<125	***<25.0***	**2.25**	<25.0	<25.0	***<25.0***	<125	<25.0	**13.7 J**	<25.0	<25.0
MW-7A	**8/23/2022**	<125 J	***<25.0***	**3.70**	<25.0	<25.0	***<25.0***	<125	<25.0	**13 J**	<25.0	<25.0
MW-11	**4/9/2020**	--	--	--	--	--	--	--	--	--	--	--
MW-11	**10/8/2020**	<5.00 [<5.00]	<1.00 [<1.00]	<0.00500 [<0.00500]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
MW-11	**9/7/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	**0.191 J**	<1.00	<1.00
MW-11	**4/12/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
MW-11	**8/23/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	--	<1.00
MW-12	**4/9/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-12	**10/7/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-12	**9/7/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
MW-12	**4/12/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
MW-12	**8/23/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-13	**4/9/2020**	<5.00	<1.00 J	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	**3.05**	<1.00	<1.00
MW-13	**10/7/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	**0.915 J**	<1.00	<1.00
MW-13	**4/14/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
MW-13	**9/7/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
MW-13	**4/12/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
MW-13	**8/23/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	**5.48**	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)	1,3-Dichloropropane (µg/L)	2,2-Dichloropropane (µg/L)	1,1-Dichloropropene (µg/L)	cis-1,3-Dichloropropene (µg/L)	trans-1,3-Dichloropropene (µg/L)	Diisopropyl ether (µg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (µg/L)	Isopropylbenzene (Cumene) (µg/L)	p-Isopropyltoluene (µg/L)
ADEC Groundwater Cleanup Levels		**360**	**8.2**	**--**	**--**	**--**	**--**	**--**	**--**	**1.4**	**450**	**--**
MW-5	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**1.43**	<1.00
MW-5	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**6.96**	<1.00
MW-5	**9/7/2021**	<1.00[<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**9.24 [9.99]**	<1.00 [<1.00]
MW-5	**4/12/2022**	<5.00 [<10.0]	<5.00 ***[<10.0]***	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 J [<10.0 J]***	**7.77 [9.78 J]**	**3.07 J** [<10.0]
MW-5	**8/23/2022**	<5.00 [<10.0]	<5.00 ***[<10.0]***	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 [<10.0]***	**10.4 [8.5 J]**	<5.00 [<10.0]
MW-5A	**4/9/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**1.06 [1.04]**	<1.00 [<1.00]
MW-5A	**10/7/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	**0.604 J [0.909 J]**	<1.00 **[0.974 J]**
MW-5A	**4/14/2021**	<1.00 J	<1.00 J	<1.00	<1.00 J	<1.00 J	<1.00 J	<1.00	<1.00	<1.00 J	**6.05**	<1.00 J
MW-5A	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**9.17**	<1.00
MW-5A	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	**2.19**	1.35
MW-5A	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-7	**4/9/2020**	<250	***<250***	<250	<250	<250	<250	<250	<250	***<250***	**142 J**	<250
MW-7	**10/8/2020**	<250	***<250***	<250	<250	<250	<250	<250	<250	***<250***	**111 J**	<250
MW-7	**4/14/2021**	<250 [<100]	***<250 [<100]***	<250 [<100]	<250 [<100]	<250 [<100]	<250 [<100]	<250 [<100]	<250 [<100]	***<250 [<100]***	**117 J [116]**	<250 [<100]
MW-7	**9/7/2021**	***<1,000***	***<1,000***	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	***<1,000***	***<1,000***	<1,000
MW-7	**4/12/2022**	***<1,000***	***<1,000***	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	***<1,000 J***	**115 J**	<1,000
MW-7	**8/23/2022**	***<1,000***	***<1,000***	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	***<1,000 J***	***<1,000***	<1,000
MW-7A	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**28.7**	<1.00
MW-7A	**10/8/2020**	<25.0	***<25.0***	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	***<25.0***	**18.6 J**	26.9
MW-7A	**4/14/2021**	<25.0	***<25.0***	<25.0	<25.0	<25.0	<25.0	<250 [<100]	<25.0	***<25.0***	**7.95 J**	3.30 J
MW-7A	**9/7/2021**	<25.0	***<25.0***	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	***<25.0***	<25.0	<25.0
MW-7A	**4/12/2022**	<25.0	***<25.0***	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	***<25.0 J***	**8.40 J**	<25.0
MW-7A	**8/23/2022**	<25.0	***<25.0***	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	***<25.0***	**4.47 J**	<25.0
MW-11	**4/9/2020**	--	--	--	--	--	--	--	--	--	--	--
MW-11	**10/8/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00	<1.00 [<1.00]	<1.00	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00
MW-11	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-11	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
MW-11	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
MW-12	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-12	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-12	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-12	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
MW-12	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
MW-13	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-13	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-13	**4/14/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
MW-13	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 B	<1.00
MW-13	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
MW-13	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	2-Butanone (Methyl ethyl ketone) (µg/L)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone) (µg/L)	Methyl tert-butyl ether (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		**5,600**	**6,300**	**140**	**110**	**1.7**	**660**	**1,200**	**5.7**	**0.76**	**41**
MW-5	**4/9/2020**	<10.0	<10.0	<1.00	<5.00	**1.16 J**	**2.12**	<1.00	<1.00	***<1.00***	<1.00
MW-5	**10/7/2020**	<10.0	<10.0	<1.00	<5.00	**3.63 J**	**11.5**	<1.00	<1.00	***<1.00***	<1.00
MW-5	**9/7/2021**	<10.0 J [<10.0 J]	**7.24 J [6.86 J]**	<1.00 [<1.00]	<5.00 [<5.00]	**5.19 [6.51]**	**14.8 [17.7]**	<1.00 [<1.00]	<1.00 [<1.00]	***<1.00 [<1.00]***	<1.00 [<1.00]
MW-5	**4/12/2022**	<50.0 [<100]	<50.0 [<100]	<5.00 [<10.0]	<25.0 [<50.0]	**5.26 J *[<50.0]***	**12.8 [11.7 J]**	<5.00 [<10.0]	<5.00 [***<10.0***]	***<5.00 [<10.0]***	<5.00 [<10.0]
MW-5	**8/23/2022**	**8.45 J** [<100]	<50.0 [<100]	<5.00 [<10.0]	<25.0 [<50.0]	**6.53 J *[<50.0]***	**17.4 [14.0]**	<5.00 [<10.0]	<5.00 [***<10.0***]	***<5.00 [<10.0]***	<5.00 [<10.0]
MW-5A	**4/9/2020**	<10.0 [<10.0]	<10.0 [<10.0]	<1.00 [<1.00]	<5.00 [<5.00]	**8.99 [10.7]**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	***<1.00 [<1.00]***	<1.00 [<1.00]
MW-5A	**10/7/2020**	**1.45 J** [<10.0]	<10.0 [<10.0]	<1.00 [<1.00]	<5.00 [<5.00]	**1.88 J** [**2.66 J**]	<1.00 [**0.102 J**]	<1.00 [<1.00]	<1.00 [<1.00]	***<1.00 [<1.00]***	<1.00 [<1.00]
MW-5A	**4/14/2021**	<10.0	<10.0	<1.00	<5.00 J	**11.5 J**	**1.56 J**	<1.00 J	<1.00	***<1.00***	<1.00 J
MW-5A	**9/7/2021**	<10.0 J	<10.0	<1.00	<5.00	**20**	**1.32**	<1.00	<1.00	***<1.00***	<1.00
MW-5A	**4/12/2022**	<10.0	<10.0	<1.00	<5.00	**10.1 J**	**1.03**	<1.00	<1.00	***<1.00***	<1.00
MW-5A	**8/23/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-7	**4/9/2020**	<2,500	<2,500	<250	***<1,250***	**466 J**	**317**	<250	***<250***	***<250***	**150 J**
MW-7	**10/8/2020**	<2,500	<2,500	<250	**108 J**	***<1,250***	**192 J**	<250	***<250***	***<250***	***<250***
MW-7	**4/14/2021**	***<10,000 J***	***<10,000***	<250 [<100]	**<5,000**	**327 J [299 J]**	**283 [301]**	<250 [<100]	***<250 [<100]***	***<250 [<100]***	***<250 [<100]***
MW-7	**9/7/2021**	***<10,000***	***<10,000***	<1,000	**<5,000**	***<5,000***	**184 J**	<1,000	***<1,000***	***<1,000***	***<1,000***
MW-7	**4/12/2022**	***<10,000***	***<10,000***	<1,000	**<5,000**	***<5,000***	**191 J**	<1,000	***<1,000***	***<1,000***	***<1,000***
MW-7	**8/23/2022**	***<10,000***	***<10,000***	<1,000	**<5,000**	***<5,000***	**141 J**	<1,000	***<1,000***	***<1,000***	***<1,000***
MW-7A	**4/9/2020**	<10.0	<10.0	<1.00	<5.00	**46.5**	**53.9**	<1.00	<1.00	***<1.00***	<1.00
MW-7A	**10/8/2020**	<250	<250	<25.0	***<125***	**49.7 J**	**16.7 J**	<25.0	***<25.0***	***<25.0***	<25.0
MW-7A	**4/14/2021**	<2,500 [<1,000]	<2,500 [<1,000]	<25.0	***<1,250 [<500]***	***<125***	**14.8 J**	<25.0	***<25.0***	***<25.0***	<25.0
MW-7A	**9/7/2021**	<250 J	<250	<25.0	***<125***	***<125***	**2.88 J**	<25.0	***<25.0***	***<25.0***	<25.0
MW-7A	**4/12/2022**	<250	<250	<25.0	***<125***	***<125***	**9.42 J**	<25.0	***<25.0***	***<25.0***	<25.0
MW-7A	**8/23/2022**	<250	<250	<25.0	***<125***	***<125***	**9.78 J**	<25.0	***<25.0***	***<25.0***	<25.0
MW-11	**4/9/2020**	--	--	--	--	--	--	--	--	--	--
MW-11	**10/8/2020**	<10.0 [<10.0]	<10.0 [<10.0]	<1.00	<5.00 [<5.00]	***<5.00***	<1.00	<1.00 [<1.00]	<1.00	***<1.00 [<1.00]***	<1.00 [<1.00]
MW-11	**9/7/2021**	<10.0 J	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-11	**4/12/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-11	**8/23/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-12	**4/9/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-12	**10/7/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-12	**9/7/2021**	<10.0 J	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-12	**4/12/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-12	**8/23/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-13	**4/9/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-13	**10/7/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-13	**4/14/2021**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-13	**9/7/2021**	<10.0 J	<10.0	<1.00	<5.00	***<5.00***	<1.00 B	<1.00	<1.00	***<1.00***	<1.00
MW-13	**4/12/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00***	<1.00
MW-13	**8/23/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	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)	1,2,4-Trimethylbenzene (µg/L)
ADEC Groundwater Cleanup Levels		**7**	**4**	**8,000**	**0.41**	**2.8**	**5,200**	**0.0075**	**10,000**	**--**	**56**
MW-5	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<0.500***	<1.00	**6.08**	**28.3**
MW-5	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<0.125***	<1.00	**21.1**	**108**
MW-5	**9/7/2021**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	***<0.250 [<0.250]***	<1.00 [<1.00]	**17.1 [20.3]**	**113 J [49.7 J]**
MW-5	**4/12/2022**	<5.00 [***<10.0]***	***<5.00 J [<10.0]***	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 [<10.0]***	<25.0 J [<50.0]	***<0.250 [<0.250]***	<5.00 [<10.0]	**14 [16.6]**	**119 [153]**
MW-5	**8/23/2022**	<5.00 J [***<10.0 J***]	***<5.00 J [<10.0 J]***	<5.00 [<10.0]	<5.00 [<10.0]	***<5.00 B [<10.0]***	<25.0 [<50.0]	***<0.250 J [<0.250]***	<5.00 [<10.0]	**16.5 [13.4]**	**129 [101]**
MW-5A	**4/9/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	***<0.0500 [<0.0500]***	<1.00 [<5.00]	**8.44 J [12.3 J]**	**8.44 J [12.3 J]**
MW-5A	**10/7/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<5.00 [<5.00]	***<0.0500 [<0.0500]***	<1.00 [<1.00]	**36.8 J [24.3 J]**	**9.08 J [4.59 J]**
MW-5A	**4/14/2021**	<1.00	<1.00	<1.00 J	<1.00	<1.00 J	<5.00 J	***<0.0500***	<1.00 J	**14.8 J**	**0.640 J**
MW-5A	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<0.0500 J***	<1.00	**26**	**0.721 J**
MW-5A	**4/12/2022**	<1.00	<1.00 J	<1.00	<1.00	<1.00	<5.00 J	***0.0400 J***	<1.00	**2.53**	**2.78**
MW-5A	**8/23/2022**	<1.00 J	<1.00 J	<1.00	<1.00	<1.00	<5.00	***<0.0500***	<1.00	<1.00	<1.00
MW-7	**4/9/2020**	***<250***	***<250***	<250	***<250***	***<250***	<1,250	***<50.0***	<250	**1,160**	**3,350**
MW-7	**10/8/2020**	***<250***	***<250***	<250	***<250***	***<250***	<1,250	***<50.0***	<250	**796**	**2,230**
MW-7	**4/14/2021**	***<250 [<100]***	***<250 [<100]***	<1,000	***<250 [<100]***	***<1,000***	<1,250 [<500]	***<50.0 [<50.0]***	<1,000	**651 [637]**	**2,550 [2,570]**
MW-7	**9/7/2021**	***<1,000***	***<1,000***	<1,000	***<1,000***	***<1,000***	<5,000	***<25.0***	<1,000	**534 J**	**1,670**
MW-7	**4/12/2022**	***<1,000***	***<1,000***	<1,000	***<1,000***	***<1,000***	<5,000	***<12.5***	<1,000	**589 J**	**2,040**
MW-7	**8/23/2022**	***<1,000***	***<1,000***	<1,000	***<1,000***	***<1,000***	<5,000	***<12.5***	<1,000	<25.0	**360 J**
MW-7A	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<0.500***	<25.0	**883**	**323 J**
MW-7A	**10/8/2020**	***<25.0***	***<25.0***	<25.0	***<25.0***	***<25.0***	<125	***<50.0***	<25.0	**525**	**1,550**
MW-7A	**4/14/2021**	***<25.0***	***<25.0***	<250 [<100]	***<25.0***	***<250 [<100]***	<125	***<5.00***	<250 [<100]	**176**	**679**
MW-7A	**9/7/2021**	***<25.0***	***<25.0***	<25.0	***<25.0***	***<25.0***	<125	***<0.250***	<25.0	**13.1 J**	**45.4**
MW-7A	**4/12/2022**	***<25.0***	***<25.0***	<25.0	***<25.0***	***<25.0***	<125	***<1.25***	<25.0	**296**	**1,040**
MW-7A	**8/23/2022**	***<25.0 J***	***<25.0 J***	<25.0	***<25.0***	***<25.0 B***	<125	***<0.250***	<25.0	**34.3**	**135**
MW-11	**4/9/2020**	--	--	--	--	--	--	--	--	--	--
MW-11	**10/8/2020**	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	***<1.00 [<1.00]***	<1.00 [<1.00]	<5.00 [<5.00]	<0.00500 [<0.0500]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]
MW-11	**9/7/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	***<5.00***	<1.00	<1.00 B	<1.00
MW-11	**4/12/2022**	<1.00	<1.00 J	<1.00	***<1.00***	<1.00	<5.00 J	<0.00500	<1.00	<1.00	<1.00
MW-11	**8/23/2022**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
MW-12	**4/9/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
MW-12	**10/7/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
MW-12	**9/7/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00 B	<1.00
MW-12	**4/12/2022**	<1.00	<1.00 J	<1.00	***<1.00***	<1.00	<5.00 J	<0.00500	<1.00	<1.00	<1.00
MW-12	**8/23/2022**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
MW-13	**4/9/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	**0.681 J**	**1.47 J**
MW-13	**10/7/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
MW-13	**4/14/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	**0.155 J**	<1.00
MW-13	**9/7/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00 B	<1.00
MW-13	**4/12/2022**	<1.00	<1.00 J	<1.00	***<1.00***	<1.00	<5.00 J	<0.00500	<1.00	<1.00	<1.00
MW-13	**8/23/2022**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)
ADEC Groundwater Cleanup Levels		**60**	**0.19**
MW-5	**4/9/2020**	**2.64**	***<1.00***
MW-5	**10/7/2020**	**14.4**	***<1.00***
MW-5	**9/7/2021**	**18.6 [22.7]**	***<1.00 [<1.00]***
MW-5	**4/12/2022**	**8.52 [9.36 J]**	***<5.00 [<10.0]***
MW-5	**8/23/2022**	**25.4 [20.5]**	***<5.00 [<10.0]***
MW-5A	**4/9/2020**	**6.73 [8.8]**	**23.3 [22]**
MW-5A	**10/7/2020**	**24.6 J [11.9 J]**	***<1.00 [<1.00]***
MW-5A	**4/14/2021**	**0.106 J**	***<1.00 J***
MW-5A	**9/7/2021**	<1.00 B	***<1.00***
MW-5A	**4/12/2022**	**1.7**	***<1.00***
MW-5A	**8/23/2022**	**0.126 J**	***<1.00***
MW-7	**4/9/2020**	***865***	***<250***
MW-7	**10/8/2020**	***488***	***<250***
MW-7	**4/14/2021**	***595 [612]***	***<250 [<100]***
MW-7	**9/7/2021**	**477 J**	***<1,000***
MW-7	**4/12/2022**	**446 J**	***<1,000***
MW-7	**8/23/2022**	**323 J**	**477 J**
MW-7A	**4/9/2020**	**226**	**1,150**
MW-7A	**10/8/2020**	**344**	***<25.0***
MW-7A	**4/14/2021**	**172**	***<25.0***
MW-7A	**9/7/2021**	**11.5 J**	***<25.0***
MW-7A	**4/12/2022**	**233**	***<25.0***
MW-7A	**8/23/2022**	**35.6**	***<25.0***
MW-11	**4/9/2020**	--	--
MW-11	**10/8/2020**	<1.00 [<1.00]	***<1.00 [<1.00]***
MW-11	**9/7/2021**	<1.00	***<1.00***
MW-11	**4/12/2022**	<1.00	***<1.00***
MW-11	**8/23/2022**	<1.00	***<1.00***
MW-12	**4/9/2020**	<1.00	***<1.00***
MW-12	**10/7/2020**	<1.00	***<1.00***
MW-12	**9/7/2021**	<1.00	***<1.00***
MW-12	**4/12/2022**	<1.00	***<1.00***
MW-12	**8/23/2022**	<1.00	***<1.00***
MW-13	**4/9/2020**	**0.437 J**	***<1.00***
MW-13	**10/7/2020**	<1.00	***<1.00***
MW-13	**4/14/2021**	<1.00	***<1.00***
MW-13	**9/7/2021**	<1.00 B	***<1.00***
MW-13	**4/12/2022**	<1.00	***<1.00***
MW-13	**8/23/2022**	<1.00	***<1.00***

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	Acetone (µg/L)	Acrolein (µg/L)	Acrylonitrile (µg/L)	Bromobenzene (µg/L)	Bromochloromethane (µg/L)	Bromodichloromethane (µg/L)	Bromoform (µg/L)	Bromomethane (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)
ADEC Groundwater Cleanup Levels		**14,000**	**--**	**--**	**62**	**--**	**1.3**	**33**	**7.5**	**1,000**	**2,000**
QA-TB	**4/9/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
QA-TB	**10/8/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
QA-TB	**4/14/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
QA-TB	**9/7/2021**	<50.0	<50.0 J	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
QA-TB	**4/12/2022**	<50.0	<50.0	<10.0	<1.00 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
QA-TB	**8/23/2022**	--	--	--	--	--	--	--	--	--	--
EQB	**4/8/2020**	<50.0	<50.0	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	<1.00
EQB	**10/7/2020**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
EQB	**4/14/2021**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
EQB	**9/7/2021**	**12.6 J**	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
EQB	**4/12/2022**	<50.0	<50.0	<10.0	<1.00 J	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00
EQB	**8/23/2022**	<50.0	<50.0	<10.0	<1.00	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	tert-Butylbenzene (µg/L)	Carbon Disulfide (µg/L)	Carbon Tetrachloride (µg/L)	Chlorobenzene (µg/L)	Chlorodibromomethane (Dibromochloromethane) (µg/L)	Chloroethane (Ethyll Chloride) (µg/L)	Chloroform (µg/L)	Chloromethane (µg/L)	2-Chlorotoluene (o-Chlorotoluene) (µg/L)	4-Chlorotoluene (p-Chlorotoluene) (µg/L)
ADEC Groundwater Cleanup Levels		**690**	**810**	**4.6**	**78**	**8.7**	**21,000**	**2.2**	**190**	**--**	**--**
QA-TB	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
QA-TB	**10/8/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
QA-TB	**4/14/2021**	<1.00	0.111 J	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
QA-TB	**9/7/2021**	<1.00	<1.00 J	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50 J	<1.00	<1.00
QA-TB	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00 J	<1.00
QA-TB	**8/23/2022**	--	--	--	--	--	--	--	--	--	--
EQB	**4/8/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
EQB	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
EQB	**4/14/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
EQB	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00
EQB	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00 J	<1.00
EQB	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	***<5.00***	<2.50	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	1,2-Dibromo-3-chloropropane (µg/L)	Dibromomethane (Methylene bromide) (µg/L)	1,2-Dibromoethane (µg/L)	1,2-Dichlorobenzene (o-Dichlorobenzene) (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Dichlorodifluoromethane (Freon 12) (µg/L)	1,1-Dichloroethane (µg/L)	1,2-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)
ADEC Groundwater Cleanup Levels		**--**	**8.3**	**0.0750**	**300**	**300**	**4.8**	**200**	**28**	**1.7**	**280**	**36**
QA-TB	**4/9/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**10/8/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**4/14/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**9/7/2021**	<5.00 J	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
QA-TB	**4/12/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**8/23/2022**	--	--	<0.00500	--	--	--	--	--	--	--	--
EQB	**4/8/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
EQB	**10/7/2020**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
EQB	**4/14/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
EQB	**9/7/2021**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00 J	<1.00	<1.00	<1.00	<1.00
EQB	**4/12/2022**	<5.00	<1.00	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00
EQB	**8/23/2022**	<5.00 J	<1.01	<0.00500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
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Well ID	Sample Date	trans-1,2-Dichloroethene (µg/L)	1,2-Dichloropropane (µg/L)	1,3-Dichloropropane (µg/L)	2,2-Dichloropropane (µg/L)	1,1-Dichloropropene (µg/L)	cis-1,3-Dichloropropene (µg/L)	trans-1,3-Dichloropropene (µg/L)	Diisopropyl ether (µg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (µg/L)	Isopropylbenzene (Cumene) (µg/L)	p-Isopropyltoluene (µg/L)
ADEC Groundwater Cleanup Levels		**360**	**8.2**	**--**	**--**	**--**	**--**	**--**	**--**	**1.4**	**450**	**--**
QA-TB	**4/9/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**10/8/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**4/14/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
QA-TB	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
QA-TB	**8/23/2022**	--	--	--	--	--	--	--	--	--	--	--
EQB	**4/8/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
EQB	**10/7/2020**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
EQB	**4/14/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
EQB	**9/7/2021**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	**0.121 J**	<1.00
EQB	**4/12/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00 J	<1.00	<1.00
EQB	**8/23/2022**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	2-Butanone (Methyl ethyl ketone) (µg/L)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone) (µg/L)	Methyl tert-butyl ether (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		**5,600**	**6,300**	**140**	**110**	**1.7**	**660**	**1,200**	**5.7**	**0.76**	**41**
QA-TB	**4/9/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
QA-TB	**10/8/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
QA-TB	**4/14/2021**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
QA-TB	**9/7/2021**	<10.0	<10.0	<1.00	<5.00	***<5.00 J***	<1.00	<1.00	<1.00	***<1.00***	<1.00
QA-TB	**4/12/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00 J***	<1.00 J	<1.00	<1.00	***<1.00***	<1.00
QA-TB	**8/23/2022**	--	--	--	--	--	--	--	--	--	
EQB	**4/8/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
EQB	**10/7/2020**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
EQB	**4/14/2021**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00
EQB	**9/7/2021**	<10.0 J	<10.0	<1.00	<5.00	***<5.00***	**0.222 J**	<1.00	<1.00	***<1.00***	<1.00
EQB	**4/12/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00 J	<1.00	<1.00	***<1.00***	<1.00
EQB	**8/23/2022**	<10.0	<10.0	<1.00	<5.00	***<5.00***	<1.00	<1.00	<1.00	***<1.00***	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	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)	1,2,4-Trimethylbenzene (µg/L)
ADEC Groundwater Cleanup Levels		**7**	**4**	**8,000**	**0.41**	**2.8**	**5,200**	**0.0075**	**10,000**	**--**	**56**
QA-TB	**4/9/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
QA-TB	**10/8/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
QA-TB	**4/14/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
QA-TB	**9/7/2021**	<1.00 J	<1.00 J	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
QA-TB	**4/12/2022**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
QA-TB	**8/23/2022**	--	--	--	--	--	--	<0.00500	--	--	--
EQB	**4/8/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
EQB	**10/7/2020**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
EQB	**4/14/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
EQB	**9/7/2021**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	**0.366 J**	<1.00
EQB	**4/12/2022**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	<1.00	<1.00
EQB	**8/23/2022**	<1.00	<1.00	<1.00	***<1.00***	<1.00	<5.00	<0.00500	<1.00	**0.366 J**	<1.00

Table 2. Historical Groundwater Analtyical Results - Additional VOCs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well ID	Sample Date	1,3,5-Trimethylbenzene (µg/L)	Vinyl Chloride (µg/L)
ADEC Groundwater Cleanup Levels		**60**	**0.19**
QA-TB	**4/9/2020**	<1.00	***<1.00***
QA-TB	**10/8/2020**	<1.00	***<1.00***
QA-TB	**4/14/2021**	<1.00	***<1.00***
QA-TB	**9/7/2021**	<1.00	***<1.00 J***
QA-TB	**4/12/2022**	<1.00	***<1.00***
QA-TB	**8/23/2022**	--	--
EQB	**4/8/2020**	<1.00	***<1.00***
EQB	**10/7/2020**	<1.00	***<1.00***
EQB	**4/14/2021**	<1.00	***<1.00***
EQB	**9/7/2021**	**0.344 J**	***<1.00***
EQB	**4/12/2022**	<1.00	***<1.00***
EQB	**8/23/2022**	<1.00	***<1.00***

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Second Quarter 2020 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Notes:

ID = Identification
MW = Groundwater monitoring well
µg/L = Micrograms per liter
<1.00 = Not detected at or above the Reported Detection Limit
Bold = Detected above laboratory 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 than the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
[ ] = Blind Duplicate Sample Result
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D

Table 3. Historical Groundwater Analtyical Results - PAHs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene	Dibenz(a,h) anthracene	Fluoranthene	Fluorene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ADEC Groundwater Cleanup Levels		**530**	**260**	**1800**	**0.3**	**0.25**	**2.5**	**600**	**25**	**750**	**250**	**0.25**	**800**	**290**
MW-5	5/17/2010	**0.016**	<0.0094	<0.0094	<0.0094	<0.0094	--	--	--	**--**	--	--	<0.0094	<0.0094
MW-5	4/26/2011	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	--	--	--	**--**	--	--	<0.0098	<0.0098
MW-5	9/20/2011	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--	--	**--**	--	--	<0.0095	<0.0095
MW-5	5/18/2012	<0.010	<0.010	<0.010	<0.010	<0.010	--	--	--	**--**	--	--	<0.010	<0.010
MW-5	9/17/2012	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	--	--	--	**--**	--	--	<0.0095	<0.0095
MW-5	4/30/2013	<0.044	<0.044	<0.044	<0.050	<0.044	--	--	--	**--**	--	--	<0.044	<0.044
MW-5	4/30/2013	<0.043	<0.043	<0.043	<0.043	<0.043	--	--	--	**--**	--	--	<0.043	<0.043
MW-5	9/17/2013	<0.041	<0.041	<0.041	<0.041	<0.041	--	--	--	**--**	--	--	<0.041	<0.041
MW-5	4/29/2014	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	**--**	<0.043	<0.043	<0.043	<0.043
MW-5	9/4/2014	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	**--**	<0.042	<0.042	<0.042	<0.042
MW-5	5/1/2015	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	<0.042	**--**	<0.042	<0.042	<0.042	<0.042
MW-5	9/3/2015	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	**--**	<0.041	<0.041	<0.041	<0.041
MW-5	4/13/2016	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**--**	<0.11	<0.11	<0.11	<0.11
MW-5	9/16/2016	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	**--**	<0.0099	<0.0099	<0.0099	<0.0099
MW-5	5/11/2017	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	**--**	<0.0098	<0.0098	<0.0098	<0.0098
MW-5	9/11/2017	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	**--**	<0.010	<0.010	<0.010	<0.010
MW-5	4/6/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**--**	<0.01	<0.01	<0.01	<0.01
MW-5	10/24/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	**--**	**0.1 J**	<0.1	<0.1	<0.1
MW-5	4/19/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1
MW-5	9/18/2019	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	4/9/2020	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.278	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555
MW-5	10/7/2020	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.263	<0.0525	<0.0525	<0.0525	<0.0525 B	<0.0525
MW-5	9/7/2021	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.250 [<0.250]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 B [<0.0500]	<0.0500 [<0.0500]
MW-5	4/12/2022	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	**0.0195 J** [<0.0500]	<0.0500 [<0.0500]	<0.250 [<0.250]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 B [<0.0500 B]	<0.0500 [<0.0500]
MW-5	8/23/2022	<0.0545 [<0.0500]	<0.0545 [<0.0500]	<0.0545 [<0.0500]	<0.0545 [<0.0500]	<0.0545 [<0.0500]	<0.0545 [<0.0500]	<0.0545 [<0.0500]	<0.273 [<0.250]	<0.545 [<0.500]	<0.0545 [<0.0500]	<0.0545 [<0.0500]	**0.0143 J [0.0126 J]**	<0.0545 [<0.0500]
MW-7	5/17/2010	**0.48**	**0.40**	**0.55**	**0.12**	**0.12**	--	--	--	**--**	--	--	**0.37**	**0.68**
MW-7	5/18/2012	**0.18**	<0.096	<0.096	<0.096	<0.096	--	--	--	**--**	--	--	<0.096	**0.19**
MW-7	9/17/2012	**0.19**	**0.12**	<0.0095	<0.0095	<0.0095	--	--	--	**--**	--	--	**0.13**	**0.28**
MW-7	5/1/2013	**1.2**	**0.063**	<0.044	<0.044	<0.044	--	--	--	**--**	--	--	<0.044	**0.22**
MW-7	5/1/2013	**1.3**	**0.071**	<0.044	<0.044	<0.044	--	--	--	**--**	--	--	<0.044	**0.25**
MW-7	9/17/2013	**1.0**	**0.061**	<0.045	<0.045	<0.045	--	--	--	**--**	--	--	<0.045	**0.28**
MW-7	4/29/2014	**0.93**	**0.059**	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	**--**	<0.043	<0.043	<0.043	<0.043
MW-7	9/4/2014													
MW-7	4/15/2015	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	**--**	<0.21	<0.21	<0.21	<0.21
MW-7	9/3/2015	**0.97**	**0.064**	**0.052**	<0.042	<0.042	<0.042	<0.042	<0.042	**--**	<0.042	<0.042	<0.042	**0.26**
MW-7	4/13/2016	**0.17**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**--**	<0.10	<0.10	<0.10	<0.10
MW-7	9/16/2016													
MW-7	5/11/2017	**0.12**	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	**--**	<0.096	<0.096	<0.096	**0.21**
MW-7	9/11/2017	**0.096**	**0.11**	**0.15**	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	**--**	<0.0095	<0.0095	<0.0095	**0.1**
MW-7	4/6/2018	**0.02 J**	<0.01	**0.08**	0.03 J	**0.01 J**	**0.03 J**	0.02 J	<0.01	**--**	**0.02 J**	<0.01	**0.07**	<0.01
MW-7	10/24/2018	**0.2 J**	<0.1	<0.1	0.1 J	<0.1	<0.1	<0.2	<0.1	**--**	**0.1 J**	<0.1	**0.1 J**	**0.2 J**
MW-7	4/19/2019	**0.2 J**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.1	**0.2 J**	**0.4 J**
MW-7	9/18/2019	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/9/2020	**0.211**	<0.0555	**0.0462 J**	<0.0555	<0.0555	<0.0555	<0.0555	<0.278	<0.0555	<0.0555	<0.0555	**0.0223 J**	**0.229**
MW-7	10/8/2020	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.0500	<0.0500	<0.0500	<0.0631 B	**0.188**
MW-7	4/14/2021	**0.359** [<0.0500]	<0.0525 [<0.0500]	<0.0525 [<0.0500]	<0.0525 [<0.0500]	<0.0525 [<0.0500]	<0.0525 [<0.0500]	<0.0525 [<0.0500]	<0.263 [<0.250]	**0.213 J** [<0.500]	<0.0525 [<0.0500]	<0.0525 [<0.0500]	<0.0525 B [<0.0500 B]	**0.136 [0.145]**
MW-7	9/7/2021	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.0595	<0.297	<0.0595	<0.0595	<0.0595	<0.0595	**0.133**
MW-7	4/12/2022	<0.500	<0.500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.0500	<0.0500	<0.0500	<0.0500 B	<0.500
MW-7	8/23/2022	**0.452**	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.0600	<0.300	**0.274 J**	<0.0600	<0.0600	**0.026 J**	**0.131**

Table 3. Historical Groundwater Analtyical Results - PAHs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well	Sample Date	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthlalene	2-Methyl-naphthlalene	Naphthalene	Phenanthrene	Pyrene	Comments
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADEC Groundwater Cleanup Levels		**2.5**	**11**	**36**	**1.7**	**170**	**120**	
MW-5	5/17/2010	<0.0094	--	--	**1.2**	<0.0094	<0.0094	
MW-5	4/26/2011	**4.00**	--	--	<0.0098	<0.0098	<0.0098	
MW-5	9/20/2011	<0.0095	--	--	**3.9**	<0.028	<0.0095	
MW-5	5/18/2012	<0.010	--	--	**4**	<0.031	<0.010	
MW-5	9/17/2012	<0.0095	--	--	**3.2**	<0.029	<0.0095	
MW-5	4/30/2013	<0.044	--	--	**2**	**0.17**	**0.12**	Analytes collected using low-flow sampling methods
MW-5	4/30/2013	<0.043	--	--	<0.043	<0.053	<0.043	
MW-5	9/17/2013	<0.041	--	--	<0.041	<0.041	<0.041	
MW-5	4/29/2014	<0.043	**0.12**	**0.11**	**1.0**	<0.043	<0.043	
MW-5	9/4/2014	<0.042	**0.20**	**0.21**	**4.0**	<0.042	<0.042	
MW-5	5/1/2015	<0.042	<0.042	<0.042	**0.7**	<0.042	<0.042	PAH was not collected from MW-5 originally, ARCADIS returned to collect this sample.
MW-5	9/3/2015	<0.041	**0.11**	**0.091**	**3.1**	<0.041	<0.041	
MW-5	4/13/2016	<0.11	--	--	**0.12**	<0.0.32	<0.011	
MW-5	9/16/2016	<0.0099	--	--	**3.0**	<0.030	<0.0099	
MW-5	5/11/2017	<0.0098	--	--	<0.029	<0.029	<0.0098	
MW-5	9/11/2017	<0.010	--	--	**1.3**	<0.030	<0.010	
MW-5	4/6/2018	<0.01	--	--	**0.08**	<0.03	<0.01	
MW-5	10/24/2018	<0.1	--	--	**1 J**	<0.1	<0.1	
MW-5	4/19/2019	<0.1	--	--	**4.0**	<0.1	<0.1	
MW-5	9/18/2019	--	--	--	--	--	--	
MW-5	4/9/2020	<0.0555	**0.0393 J**	**0.0401 J**	**0.674**	<0.0555	<0.0555	
MW-5	10/7/2020	<0.0525	**0.128 J**	**0.0891 J**	**4.35**	**0.0321 J**	**0.0325 J**	
MW-5	9/7/2021	<0.0500 [<0.0500]	**0.181 J [0.171 J]**	**0.139 J [0.131 J]**	**7.2 [6.64]**	<0.0500 [<0.0500]	<0.0500 [<0.0500]	
MW-5	4/12/2022	<0.0500 [<0.0500]	**0.188 J [0.150 J]**	**0.152 J [0.120 J]**	**6.39 J [4.58 J]**	**0.0219 J [0.0195 J]**	<0.0500 B [<0.0500 B]	
MW-5	8/23/2022	<0.0545 [<0.0500]	**0.185 J [0.142 J]**	**0.162 J [0.0983 J]**	**4.61 [4.20]**	**0.0349 J [0.0211 J]**	<0.0545 [<0.0500]	
MW-7	5/17/2010	<0.10	--	--	**660**	**1.60**	**0.50**	
MW-7	5/18/2012	<0.096	--	--	**320**	<0.29	<0.096	
MW-7	9/17/2012	<0.0095	--	--	**320**	**0.35**	**0.16**	
MW-7	5/1/2013	<0.044	--	--	**236**	**0.053**	<0.044	Analytes collected using low-flow sampling methods
MW-7	5/1/2013	<0.044	--	--	**261**	**0.065**	<0.044	
MW-7	9/17/2013	<0.045	--	--	<0.045	**0.091**	<0.045	
MW-7	4/29/2014	<0.043	**27.7**	**50.4**	**230**	**0.060**	<0.043	
MW-7	9/4/2014							
MW-7	4/15/2015	<0.21	--	--	**279**	<0.21	<0.21	
MW-7	9/3/2015	<0.042	**47.2**	**81.3**	**317**	**0.13**	**0.055**	
MW-7	4/13/2016	<0.10	--	--	**400**	**0.44**	<0.10	
MW-7	9/16/2016							
MW-7	5/11/2017	<0.096	--	--	**340**	<0.29	<0.096	
MW-7	9/11/2017	<0.0095	--	--	**340**	<0.29	<0.096	
MW-7	4/6/2018	0.01 J	--	--	**290**	**0.2**	**0.1**	
MW-7	10/24/2018	<0.1	--	--	**420 J**	**0.6**	**0.2 J**	
MW-7	4/19/2019	<0.1 U	--	--	**31**	**0.6**	**0.3 J**	
MW-7	9/18/2019	--	--	--	--	--	--	
MW-7	4/9/2020	<0.0555	**48.4**	**85.1**	**308**	**0.157**	**0.0396 J**	
MW-7	10/8/2020	<0.0500	**45.9**	**77.5**	**381**	<0.0500	**0.0606**	
MW-7	4/14/2021	<0.0525 [<0.0500]	**35.1 [57.8]**	**62 [68.4]**	**199 [293]**	<0.0525 [<0.0500]	<0.0525 B [<0.0607 B]	
MW-7	9/7/2021	<0.0595	**27.10**	**46.20**	**242**	<0.0595	<0.0595	
MW-7	4/12/2022	<0.0500	**48.1**	**85.7**	**278**	**0.157**	<0.0573 B	
MW-7	8/23/2022	<0.0600	**27.0**	**45.9**	**198**	**0.111**	**0.0401 J**	

Table 3. Historical Groundwater Analtyical Results - PAHs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene	Dibenz(a,h) anthracene	Fluoranthene	Fluorene
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ADEC Groundwater Cleanup Levels		**530**	**260**	**1800**	**0.3**	**0.25**	**2.5**	**600**	**25**	**750**	**250**	**0.25**	**800**	**290**
RW-14	4/26/2011	<0.010	**0.01**	<0.010	<0.010	<0.010	--	--	--	**--**	--	--	**0.02**	**0.02**
RW-14	9/20/2011	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	--	--	--	**--**	--	--	**0.02**	**0.04**
EQB	4/8/2020	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.278	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555
EQB	10/7/2020	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.263	<0.0525	<0.0525	<0.0525	**0.0128 J**	<0.0525
EQB	04/14/2021	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	--	<0.0500	<0.0500	**0.0160 J**	<0.0500
EQB	9/7/2021	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0196 J	<0.0500	<0.250	<0.0500	<0.0500	<0.0500	0.0233 J	<0.0500
EQB	4/12/2022	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.0500	<0.0500	<0.0500	0.0150 J	<0.0500
EQB	8/23/2022	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500	<0.0500	<0.0500	<0.0500

Notes:
ADEC GCL = Alaska Department of Environmental Conservation groundwater cleanup level
(µg/L) = micrograms per liter
LNAPL = Light Non-aqueous Phase Liquids
-- = Not sampled or not analyzed
<0.0525 = Not detected at or above the reported detection limit (RDL)
Bold = Detections above the MDL
Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level
Bold and *Italicized* : Constituent considered non-detect, however Laboratory RDL is greater than the ADEC Groundwater Cleanup Level
J = The associated numerical value is an estimated concentration only
B = Compound considered non-detect at the listed value due to associated blank contamination
Constituents analyzed by United States Environmental Protection Agency Method EPA 8270E-SIM

Table 3. Historical Groundwater Analtyical Results - PAHs
Second Quarter 2010 through 2022
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

Well	Sample Date	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthlalene	2-Methyl-naphthlalene	Naphthalene	Phenanthrene	Pyrene	Comments
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADEC Groundwater Cleanup Levels		**2.5**	**11**	**36**	**1.7**	**170**	**120**	
RW-14	4/26/2011	<0.010	--	--	**1.00**	**0.01**	**0.03**	
RW-14	9/20/2011	<0.0098	--	--	**7.4**	**0.04**	**0.03**	
EQB	4/8/2020	<0.0555	<0.555	<0.555	<0.555	<0.0555	<0.0555	
EQB	10/7/2020	<0.0525	<0.525	<0.525	<0.525	<0.0525	<0.0525	
EQB	04/14/2021	<0.0500	**0.0229 J**	<0.500	<0.500	<0.0500	**0.0293 J**	
EQB	9/7/2021	<0.0500	<0.500	<0.500	<0.500	0.0192 J	0.0207 J	
EQB	4/12/2022	<0.0500	<0.500	<0.500	<0.500	<0.0500	0.0249 J	
EQB	8/23/2022	<0.0500	<0.500	<0.500	<0.500	<0.0500	<0.0500	

Attachment D

ADEC Data Review Checklist

Laboratory Data Review Checklist

Completed By:

Dilip Kumar H S

Title:

Project Chemist

Date:

November 19, 2024

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1788583

Laboratory Report Date:

10/12/2024

CS Site Name:

Second Half 2024 Groundwater Monitoring Report

ADEC File Number:

2110.38.007

Hazard Identification Number:

2007

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:

Method AK101: The sample container was received with headspace for samples TRIP BLANK-20241009, TRIP BLANK 2-20241009, TRIP BLANK 3-20241009, TRIP BLANK 4-20241009 and TRIP BLANK 5-20241009. Target compound result in the associated sample location were qualified as estimated (J).

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:

The headspace in vials are considered minor and would result in the estimation of associated data. The reported data should still consider as usable.

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:

No. Method 8260D: Holding time exceedance was observed in samples ID MW-9-W-20241009, MW-9D-W-20241009, MW-10-W-20241009, MW-11-W-20241009 and BD-1-W-20241009. The samples were analyzed beyond the 14 day recommended holding time. Target compound result in the associated sample location were qualified as estimated (UJ/J).

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?

The holding time exceedance was considered minor and result in the estimation of the data. The reported data should still consider as usable.

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 ID	Method	Compounds	Sample Result	Qualification
MW-5-W-20241010 MW-5A-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 RW-14-W-20241010 BD-2-W-20241010 BD-1-W-20241009	AK101	TPHGAK C6 to C10	Detected sample results <RL and <BAL	"UB" at the RL
MW-5-W-20241010 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 RW-14-W-20241010 BD-1-W-20241009 BD-2-W-20241010	AK102	AK102 DRO C10-C25	Detected sample results <RL and <BAL	"UB" at the RL
MW-17-W-20241010			Detected sample results >RL and <BAL	"UB" at detected sample concentration
MW-15D-W-20241010 MW-17-W-20241010 RW-14-W-20241010 BD-2-W-20241010	EPA 8270E SIM	1-Methylnaphthalene	Detected sample results <RL and <BAL	"UB" at the RL
MW-15D-W-20241010 MW-17-W-20241010 RW-14-W-20241010 BD-2-W-20241010		2-Methylnaphthalene	Detected sample results <RL and <BAL	"UB" at the RL
MW-15D-W-20241010		Acenaphthene	Detected sample results <RL and <BAL	"UB" at the RL
MW-15D-W-20241010		Acenaphthylene	Detected sample results <RL and <BAL	"UB" at the RL

MW-15D-W-20241010 MW-16D-W-20241010 BD-2-W-20241010		Fluoranthene	Detected sample results <RL and <BAL	"UB" at the RL
MW-15D-W-20241010		Fluorene	Detected sample results <RL and <BAL	"UB" at the RL
MW-15D-W-20241010		Phenanthrene	Detected sample results <RL and <BAL	"UB" at the RL
MW-15D-W-20241010 MW-16D-W-20241010		Pyrene	Detected sample results <RL and <BAL	"UB" at the RL
MW-5A-W-20241009	8260D	Carbon disulfide	Detected sample results <RL and <BAL	"UB" at the RL

Notes:
RL Reporting limit
BAL Blank action 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 ID	Method	Compound	LCS Recovery	LCSD Recovery
MW-5A-W-20241009 MW-9-W-20241009	8260 D	Bromobenzene	AC	> UL

Note:
UL – Upper control limit
The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/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:
Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample ID	Compound
MW-5A-W-20241009 MW-9-W-20241009	Acrolein

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

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Recovery:
Method 8260D: LCSD recovery for bromobenzene were greater than the control limit. Sample results MW-5A-W-20241009 and MW-9-W-20241009 were non detected. Therefore, qualification was not warranted.
RPD:
Method 8260D: The RPD for acrolein was above the control limit. Sample IDs MW-5A-W-20241009 and MW-9-W-20241009 were qualified as estimated (UJ).

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

Yes☒ No☐ N/A☐ Comments:

The LCSD and RPD 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 MW-5A-W-20241009.

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 MW-5A-W-20241009.

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 ID	Method	Compounds	MS Recovery	MSD Recovery
MW-5A-W-20241009	8260D	Acrolein	< 10%	AC
		Chloromethane	> UL	AC
		Tetrachloroethene	> UL	> UL

Notes:
UL – Upper control limit
AC - Acceptable

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:

No

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample ID	Compounds
MW-5A-W-20241009	Anthracene
	Acenaphthene
	Acenaphthylene
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(g,h,i)perylene
	Benzo(k)fluoranthene
	Chrysene
	Dibenz(a,h)anthracene
	Fluoranthene
	Fluorene
	Indeno(1,2,3-cd)pyrene
	Naphthalene
	Phenanthrene
	Pyrene
	1-Methylnaphthalene
	2-Methylnaphthalene
	2-Chloronaphthalene
MW-5A-W-20241009	Acrolein

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

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

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

Comments:

Method 8260D: MS and/or MSD recovery for chloromethane and tetrachloroethene were greater than the control limit. Sample results MW-5A-W-20241009 were non detected. Therefore, qualification was not warranted.
MS recovery for acrolein was less than ten percent of the control limit in sample MW-5A-W-20241009. Target compounds result in associated samples were non detect and qualified as rejected (R).
RPD:
Method 8260D: The RPD for acrolein was above the control limit. Sample IDs MW-5A-W-20241009 was qualified as estimated (UJ).
Method 8270E SIM: The RPD for anthracene, acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, 1-methylnaphthalene, 2-methylnaphthalene and 2-chloronaphthalene were above the control limit. Sample IDs MW-5A-W-20241009 were 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:

Method 8260D: MS/MSD recovery below 10% for acrolein is considered major and would result in rejection of the associated data. The reported data is considered unusable.
Method 8270E SIM: 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:

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample ID	Methods	Surrogate	Recovery
MW-9D-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 MW-17-W-20241010 RW-14-W-20241010 TRIP BLANK 3-20241009	8260D	1,2-Dichloroethane-d4	> UL
MW-9-W-20241009	8270 E SIM	Nitrobenzene-d5	< 10%

Note:
UL – Upper control limit

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

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	UJ1
	Detect	J1

Note:
[1] A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

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:

Method SW846 8260D: Surrogate recovery for 1,2-dichloroethane-d4 was greater than the control limit in samples MW-9D-W-20241009, MW-10-W-20241009, MW-11-W-20241009, MW-12-W-20241009, MW-13-W-20241009, MW-15D-W-20241010, MW-16D-W-20241010, MW-17-W-20241010, RW-14-W-20241010 and TRIP BLANK 3-20241009. Target compounds result in associated samples were qualified as estimated (J). Method SW846 8270E SIM: Surrogate recovery for nitrobenzene-d5 was less than ten percent than the control limit in sample MW-9-W-20241009. Target compounds result in associated samples were qualified as estimated (J) for detects and rejected (R) for non-detects.

iv. Is the data quality or usability affected?

Comments:

Method SW846 8260D: Surrogate recovery exceedance are considered minor and would result in the estimation of the associated data. The reported data should still consider as usable. Method SW846 8270E SIM: Surrogate recovery exceedance are considered major and would result in the estimation of the associated detected data and rejection of the associated non-detected data. The results qualified as estimated should still consider as usable. The results qualified as rejected are unusable.

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-20241009, TRIP BLANK 2-20241009, TRIP BLANK 3-20241009, TRIP BLANK 4-20241009 and TRIP BLANK 5-20241009.

ii. Are all results less than LOQ or RL?

Yes☐ No☒ N/A☐ Comments:

No.

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

Comments:

Sample ID	Method	Compound	Sample Result	Qualification
MW-5-W-20241010 MW-5A-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 RW-14-W-20241010 BD-1-W-20241009 BD-2-W-20241010	AK101	TPHGAK C6 to C10	Detected sample results <RL and <BAL	"UB" at the RL

Notes:
RL Reporting limit
BAL Blank action limit

iv. Is data quality or usability affected?

Comments:

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

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 (%) = 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	Methods	Compounds / Analytes	Sample Result	Duplicate Result	RPD
MW-11-W-20241009 / BD-1-W-20241009	AK101	TPHGAK C6 to C10	57.9 J	74.2 J	AC
	AK102	AK102 DRO C10-C25	518 J	511 J	AC
	8270E SIM	Fluoranthene	0.0246 J	0.0129 J	AC
MW-5-W-20241010 / BD-2-W-20241010	AK101	TPHGAK C6 to C10	71 J	50.2 J	AC
	AK102	AK102 DRO C10-C25	537 J	529 J	AC
	8270E SIM	1-Methylnaphthalene	0.58 U	0.0773 J	AC
		2-Methylnaphthalene	0.58 U	0.089 J	AC
		Fluoranthene	0.013 J	0.0155 J	AC
	8260D	Acetone	12.3 J	12.5 J	AC
		Benzene	0.23 J	0.301 J	AC
		Ethylbenzene	0.525 J	0.439 J	AC
		m&p-Xylene	0.797 J	0.741 J	AC
		Toluene	0.609 J	0.688 J	AC
		Total Xylenes	0.797 J	0.741 J	AC

Note:
AC – Acceptable
The field duplicate difference between the results are within the control limits.

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

Comments:

Data quality or usability was not affected.

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-20241010.

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 ID	Methods	Compounds	Sample Result	Qualification
MW-5-W-20241010 MW-5A-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 RW-14-W-20241010 BD-1-W-20241009 BD-2-W-20241010	AK101	TPHGAK C6 to C10	Detected sample results <RL and <BAL	"UB" at the RL
MW-5-W-20241010 MW-9D-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 BD-1-W-20241009 BD-2-W-20241010	EPA 8270E-SIM	Fluoranthene	Detected sample results <RL and <BAL	"UB" at the RL

Notes:
RL Reporting limit
BAL Blank action 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 ID	Initial/Continuing	Compounds	Recovery
MW-5-W-20241010 MW-9D-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 MW-17-W-20241010 RW-14-W-20241010 TRIP BLANK-20241009 TRIP BLANK 2-20241009 TRIP BLANK 3-20241009	CCV %D	1,2,3-Trichlorobenzene	Low
		1,2,4-Trichlorobenzene	
		Naphthalene	
MW-7-W-20241010 MW-7A-W-20241010 BD-2-W-20241010 EQB-1-W-20241010		1,2,4-Trichlorobenzene	
		2,2-Dichloropropane	
		Bromomethane	
		Naphthalene	
		n-Butylbenzene	
		Styrene	
TRIP BLANK 4-20241009 TRIP BLANK 5-20241009		Bromomethane	
		Chloromethane	
MW-5A-W-20241009 MW-9-W-20241009		1,2-Dichloroethane	
		Acrolein	
		Bromomethane	
		Chloroethane	
		Trichlorofluoromethane	
		Vinyl chloride	

Sample ID	Initial/Continuing	Compounds	Recovery
BD-1-W-20241009		1,2,4-Trimethylbenzene	
		2-Butanone (MEK)	
		4-Chlorotoluene	
		Acrolein	
		Bromobenzene	
		Carbon disulfide	
		Di-isopropyl ether	
		n-Propylbenzene	

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
MW-7-W-20241010	1,2-Dibromoethane	--	160	160 DJ
	Naphthalene	--	305	305 D
MW-7A-W-20241010	1,2-Dibromoethane	--	8.0	8.0 DJ
MW-9-W-20241009	Naphthalene	--	6.26	6.26 DJ
MW-9D-W-20241009	Benzene		766	766 DJ

Compounds 1,2,3-trichloropropane and 1,2-dibromoethane analyzed for USEPA method 524/8260 hybrid procedure by the laboratory. The results are considered from lower reporting limit, but surrogate recoveries were not reported for USEPA method 524. Hence the results for compounds 1,2,3-trichloropropane and 1,2-dibromoethane are non-detects and qualified as estimated (UJ/J).

Sample ID	Compounds
MW-5-W-20241010 MW-5A-W-20241009 MW-7-W-20241010 MW-7A-W-20241010 MW-9-W-20241009	1,2,3-Trichloropropane

Sample ID	Compounds
MW-9D-W-20241009 MW-10-W-20241009 MW-11-W-20241009 MW-12-W-20241009 MW-13-W-20241009 MW-15D-W-20241010 MW-16D-W-20241010 MW-17-W-20241010 RW-14-W-20241010 BD-1-W-20241009 BD-2-W-20241010 EQB-1-W-20241010 TRIP BLANK-20241009 TRIP BLANK 2-20241009 TRIP BLANK 3-20241009 TRIP BLANK 4-20241009 TRIP BLANK 5-20241009	1,2-Dibromoethane