Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Spill Prevention and Response, Contaminated Sites Program
P.O. Box 1535
Haines, Alaska 99827

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Date: June 20, 2024
Our Ref: 30064225
Subject: First 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

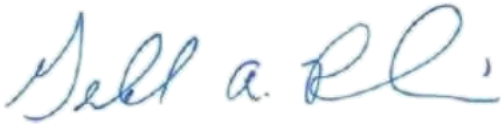
Dear Ms. Reams,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis), has prepared this report to document the first half 2024 groundwater monitoring activities of 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: June 20, 2024

# FIRST HALF 2024 GROUNDWATER MONITORING REPORT

**Work Conducted This Period [First Half 2024]:**

1. Conducted the first half groundwater monitoring activities on April 23, 2024.
2. Prepared the *First Half 2024 Groundwater Monitoring Report*.

**Work Proposed Next Period [Second Half 2024]:**

1. Conduct the second half 2024 groundwater monitoring activities.
2. Prepare the Second Half 2024 Groundwater Monitoring Report.
3. Implement scope of work associated with the approved Soil and Groundwater Investigation Work Plan.

## 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 23.05 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. A site location map and site plan are shown as Figures 1 and 2, respectively.

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: June 20, 2024

## 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) | 25.60 (MW-10) to 52.65 (MW-7A) |
| Approximate groundwater elevation: (feet relative to NAVD88) | 33.34 (MW-12) to 56.92 (MW-10) |
| Groundwater flow direction | Southwest |
| Groundwater gradient (feet per foot) | 0.030 |
| Current remediation techniques: | None |
| Summary of unusual activity: | Monitoring well MW-14 had insufficient water to sample. |
| Agency directive requirements: | None |

### Groundwater Gauging and Sampling Methods

On April 23, 2024, the first 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 was dry. 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.

A groundwater duplicate sample (BD-1) was collected from monitoring well MW-7A and submitted blind to Pace. Additionally, an equipment blank sample (EQB-1) was collected, and trip blanks (Trip Blank 1, Trip Blank 2, and Trip Blank 3) 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**.**

- DRO was detected at a concentration above the ADEC GCL (1,500 micrograms per liter (µg/L)) in 5 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 1,520 µg/L (MW-5A) to 25,000 µg/L (MW-7).
- GRO was detected at a concentration above the ADEC GCL (2,200 µg/L) in 4 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 4,570 µg/L (MW-9) to 99,800 µg/L (MW-7).
- Benzene was detected at a concentration above the ADEC GCL (4.6 µg/L) in 5 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 5.73 µg/L (RW-14) to 1,980 µg/L (MW-7).

- Toluene was detected at concentrations above the ADEC GCL of (1,100) µg/L in the groundwater sample at MW-7 at a concentration of 29,000 µg/L.
- Ethylbenzene was detected at a concentration above the ADEC GCL (15 µg/L) in 4 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 53.8 µg/L (MW-9) to 3,770 µg/L (MW-7).
- Total Xylenes was detected at concentrations above the ADEC GCL (190 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 3,070 µg/L (MW-7A) to 23,400 µg/L (MW-7).
- 1,2-Dibromoethane (EDB) was detected at a concentration above the ADEC GCL (0.075 µg/L) in 4 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 0.600 J µg/L (The associated numerical value is an estimated concentration only) (MW-9) to 205 J µg/L (MW-7).
- 1,2-Dichloroethane (EDC) was detected at concentrations above the ADEC GCL (1.7 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 2.82 µg/L (RW-14) to 10.3 µg/L (BD-1, collected from MW-7A).
- Naphthalene was detected at a concentration above the ADEC GCL (1.7 µg/L) in 1 of the 7 groundwater samples during this event. Naphthalene concentration above the ADEC GCL was detected in groundwater sample BD-1 (38.9 J µg/L) collected from MW-7A.
- 1,2,4-Trimethylbenzene was detected at concentrations above the ADEC GCL (56 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 874 µg/L (MW-7A) to 2,030 µg/L (MW-7).
- 1,3,5-Trimethylbenzene was detected at concentrations above the ADEC GCL (60 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 258 µg/L (MW-7A) to 520 µg/L (MW-7).
- Total lead was detected at concentrations above the ADEC GCL (15 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 15.9 µg/L (BD-1, collected from MW-7A) to 465 µg/L (MW-7).
- Dissolved lead was detected at concentrations above the ADEC GCL (15 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 16.6 µg/L (BD-1, collected from MW-7A) to 458 µg/L (MW-7).
- 1-Methylnaphthalene was detected at a concentration above the ADEC GCL (11 µg/L) in the groundwater sample at MW-7 at concentration of 37.5 µg/L.
- 2-Methylnaphthalene was detected at a concentration above the ADEC GCL (36 µg/L) in the groundwater sample at MW-7 at concentration of 65.4 µg/L.
- Naphthalene by USEPA Method 8270E-SIM was detected at concentrations above the ADEC GCL (1.7 µg/L) in 3 of the 7 groundwater samples collected during this event. Detected concentrations above the ADEC GCL ranged from 15.4 µg/L (MW-7A) to 193 D µg/L (concentration is based on a diluted sample analysis) (MW-7).

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, bromobenzene, bromomethane, chloroethane, naphthalene and vinyl chloride in sample locations MW-5, MW-5A, MW-7, MW-7A, BD-1 collected from MW-7A, MW-9, RW-14, EQB-1, and trip blanks for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.
    - The laboratory control sample and laboratory control sample duplicate recoveries were less than the control limit for vinyl chloride in sample locations MW-5, MW-5A, MW-7, MW-7A, BD-1 collected from MW-7A, MW-9, RW-14, EQB-1, and trip blanks for USEPA Method 8260D. Analytical result in the associated sample locations were qualified as estimated.
    - The matrix spike duplicate (MSD) recovery was less than the control limit for the GRO in sample location MW-5 for Alaska Method AK101. Analytical result in the associated sample location were qualified as estimated.
    - The percent recoveries reported were within method or laboratory detection limits and project specified objectives.
- Precision:
    - Relative Percent Difference for the matrix spike (MS)/MSD was exceeded for benzo(g,h,i)perylene, dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene. Results from sample location MW-5 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:
    - Phenanthrene was detected below the reporting limit in the method blank. Based on blank evaluation, the results for phenanthrene in sample location MW-5 was qualified as non-detect.
    - Fluoranthene was detected below the reporting limit in the equipment blank for. Based on blank evaluation, the results for fluoranthene in sample location MW-9 was qualified as non-detect.
    - Comparability is not applicable to these laboratory results.
- Sensitivity:
    - The concentration of DRO exceeded the ADEC GCL in sample locations MW-5A, MW-7, MW-7A, BD-1 collected from MW-7A, and MW-9.
    - The concentration of GRO, ethylbenzene, and EDB exceeded the ADEC GCLs in sample locations MW-7, MW-7A, BD-1 collected from MW-7A, and MW-9.
    - The concentration of benzene exceeded the ADEC GCL in sample locations MW-7, MW-7A, BD-1 collected from MW-7A, MW-9, and RW-14.
    - The concentration of toluene, 1-methylnaphthalene, and 2-methylnaphthalene exceeded the ADEC GCLs in sample location MW-7.
    - The concentration of total xylenes exceeded the ADEC GCL in sample locations MW-7, MW-7A, and BD-1 collected from MW-7A.
    - The concentration of EDC exceeded the ADEC GCL in sample locations BD-1 collected from MW-7A, MW-9, and RW-14.
    - The concentration of naphthalene exceeded the ADEC GCL in sample location MW-7, MW-7A, and BD-1 collected from MW-7A.

  - The concentration of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, total lead, and dissolved lead exceeded the ADEC GCLs in sample locations MW-7, MW-7A, and BD-1 collected from MW-7A.
  - The laboratory reported detection limit for methyl tert-butyl ether, EDB, EDC, 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, 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.
  - 1,2,3-Trichloropropane and EDB analyzed by USEPA Method 524LL/8260 hybrid procedure by the laboratory. The results are considered from lower reporting limit, but surrogate recoveries were not reported for USEPA Method 524LL. Hence, the results for compounds 1,2,3-trichloropropane and EDB are qualified as estimated (UJ/J) for sample locations MW-5, MW-5A, MW-7, MW-7A, BD-1 collected from MW-7A, MW-9, RW-14, EQB-1 and the trip blanks.
  - Naphthalene was qualified as “D” due to dilution in sample location MW-7 for USEPA Method 8270E SIM.
  - The sensitivity of the analyses was adequate for the samples.
- Representativeness:
  - 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 second half sampling event will be conducted in fall of 2024.

## References

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

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

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

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

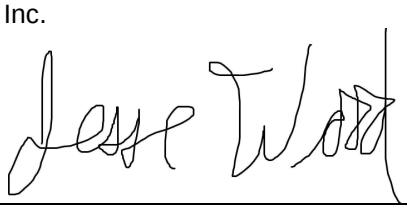
ADEC. 2023. 18-AAC-75 Oil and Other Hazardous Substances Pollution Control. ADEC. Amended February 5th.

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: June 20, 2024

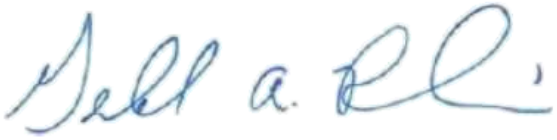
Should you have any questions or concerns regarding this submittal please do not hesitate to contact us.

Sincerely,

Arcadis U.S., Inc.



Jesse Wood
Project Task Manager

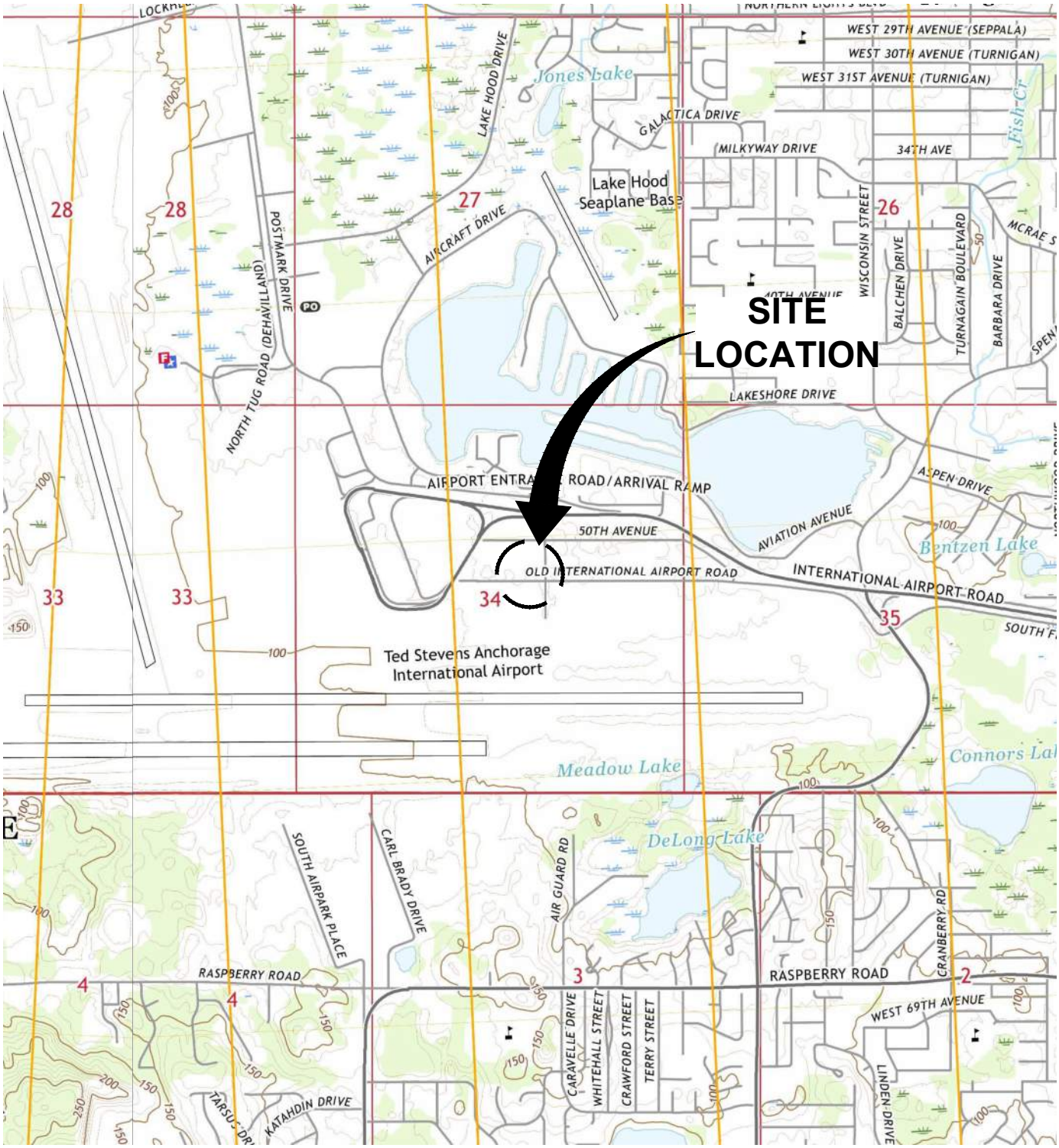


Gerald A. Robinson
Project Manager

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*
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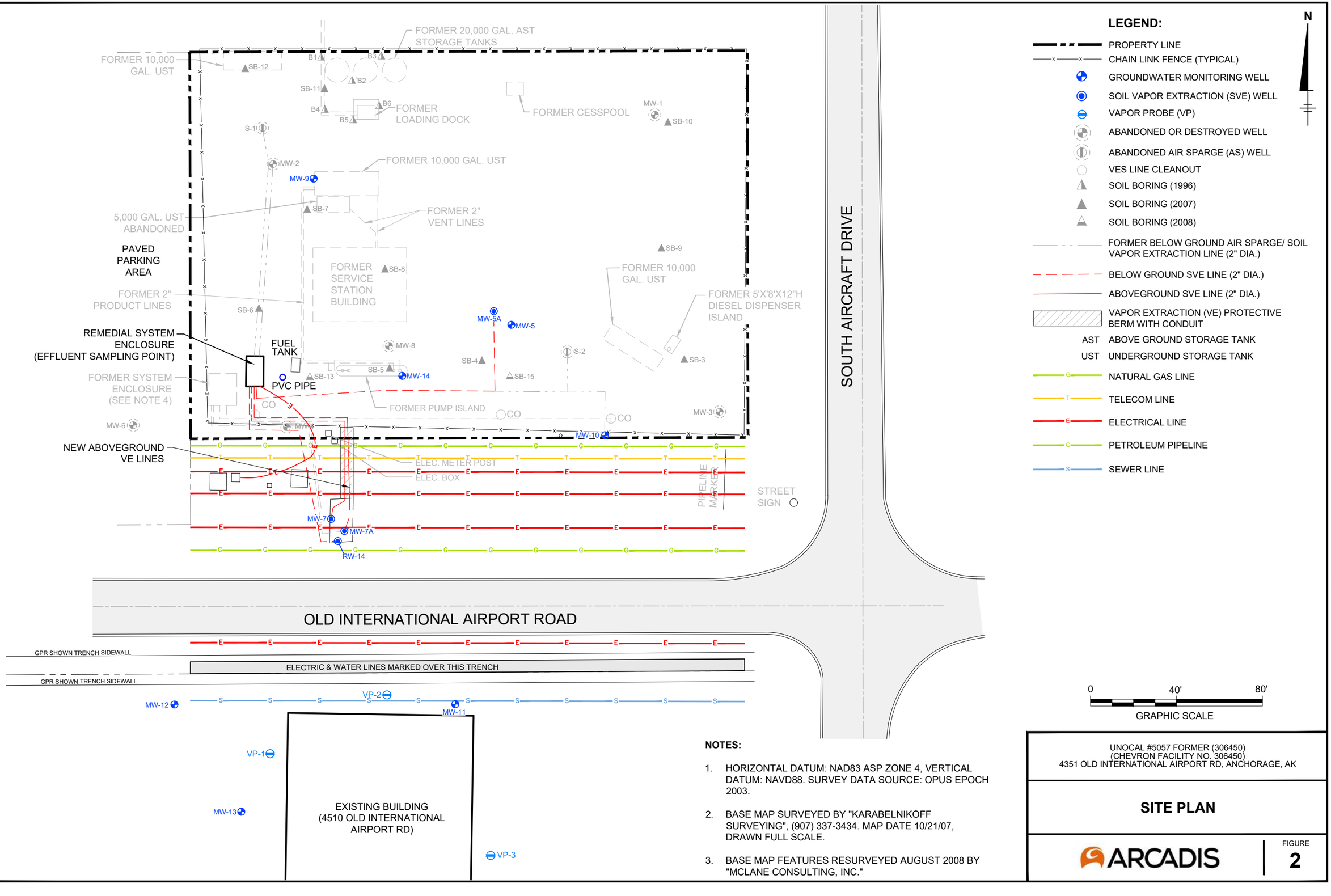


**NOTES:**

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


CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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PLTFULL.CTB PLOTTED: 6/4/2024 3:53 PM BY: C. MUNIRAJU
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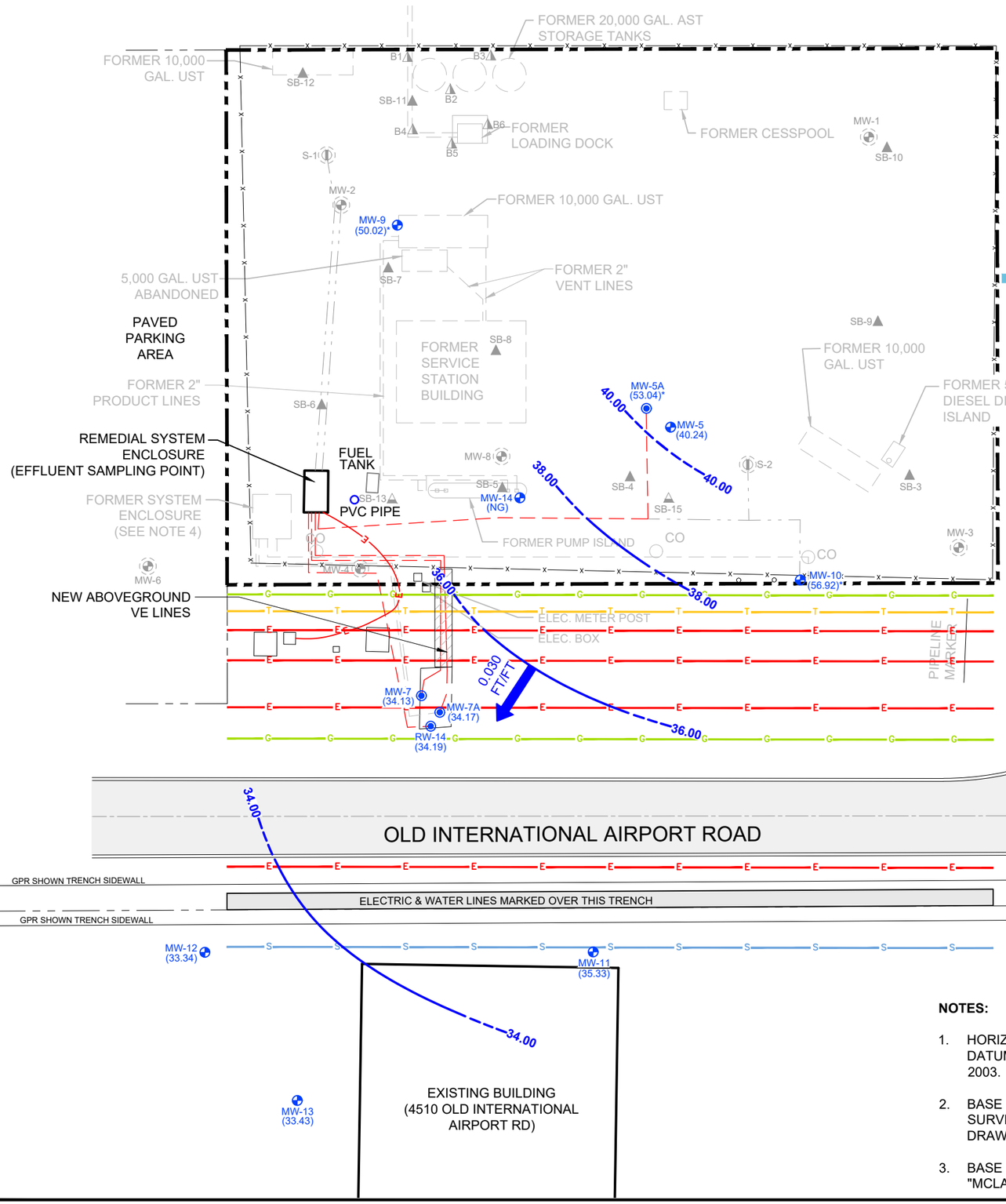


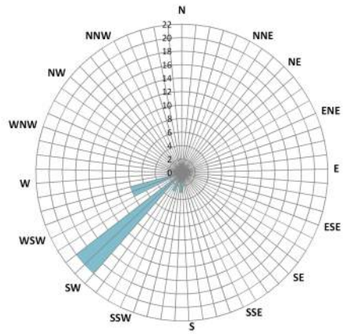


HISTORICAL GROUNDWATER FLOW DIRECTION

## 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
- (40.24) — GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
- 40.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- INFERRED DIRECTION OF GROUNDWATER FLOW
- 0.030 FT/FT — HYDRAULIC GRADIENT (FEET PER FOOT)
- * — DATA NOT USED FOR CONTOURING
- (NG) — NOT GAUGED

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

# GROUNDWATER ELEVATION CONTOUR MAP APRIL 23, 2024

ARCADIS

FIGURE 3


CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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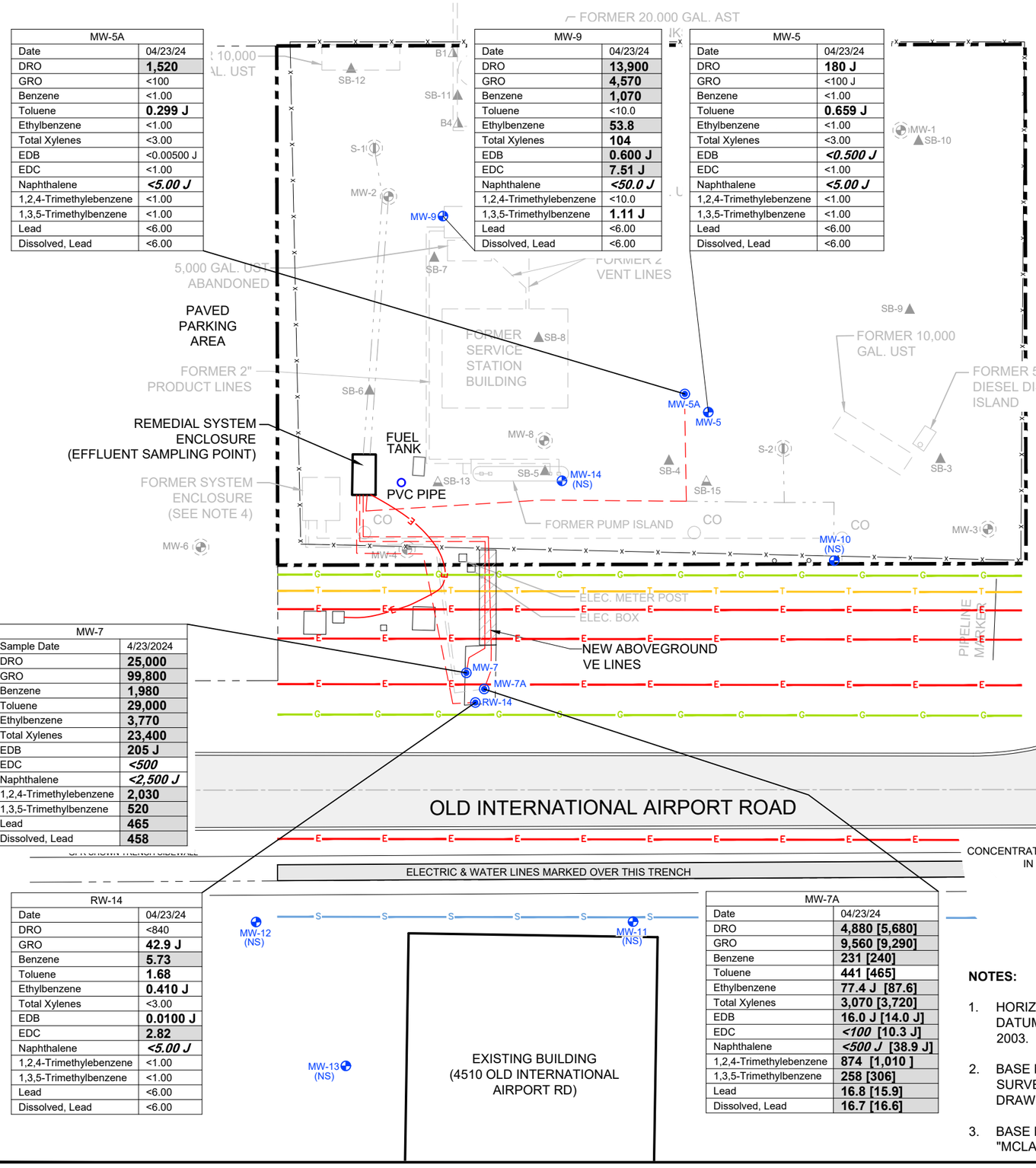
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 6/4/2024 4:05 PM BY: C. MUNIRAJU
XREFS: IMAGES: PROJECTNAME: ---
GEN-X-BASEMAP Arcadis Logo_2021.PNG




| MW-5A | |
|---|---|
| Date | 04/23/24 |
| DRO | **1,520** |
| GRO | <100 |
| Benzene | <1.00 |
| Toluene | **0.299 J** |
| Ethylbenzene | <1.00 |
| Total Xylenes | <3.00 |
| EDB | <0.00500 J |
| EDC | <1.00 |
| Naphthalene | ***<5.00 J*** |
| 1,2,4-Trimethylebenzene | <1.00 |
| 1,3,5-Trimethylbenzene | <1.00 |
| Lead | <6.00 |
| Dissolved, Lead | <6.00 |

| MW-9 | |
|---|---|
| Date | 04/23/24 |
| DRO | **13,900** |
| GRO | **4,570** |
| Benzene | **1,070** |
| Toluene | <10.0 |
| Ethylbenzene | **53.8** |
| Total Xylenes | **104** |
| EDB | **0.600 J** |
| EDC | **7.51 J** |
| Naphthalene | ***<50.0 J*** |
| 1,2,4-Trimethylebenzene | <10.0 |
| 1,3,5-Trimethylbenzene | **1.11 J** |
| Lead | <6.00 |
| Dissolved, Lead | <6.00 |

| MW-5 | |
|---|---|
| Date | 04/23/24 |
| DRO | **180 J** |
| GRO | <100 J |
| Benzene | <1.00 |
| Toluene | **0.659 J** |
| Ethylbenzene | <1.00 |
| Total Xylenes | <3.00 |
| EDB | ***<0.500 J*** |
| EDC | <1.00 |
| Naphthalene | ***<5.00 J*** |
| 1,2,4-Trimethylebenzene | <1.00 |
| 1,3,5-Trimethylbenzene | <1.00 |
| Lead | <6.00 |
| Dissolved, Lead | <6.00 |

| MW-7 | |
|---|---|
| Sample Date | 4/23/2024 |
| DRO | **25,000** |
| GRO | **99,800** |
| Benzene | **1,980** |
| Toluene | **29,000** |
| Ethylbenzene | **3,770** |
| Total Xylenes | **23,400** |
| EDB | **205 J** |
| EDC | ***<500*** |
| Naphthalene | ***<2,500 J*** |
| 1,2,4-Trimethylebenzene | **2,030** |
| 1,3,5-Trimethylbenzene | **520** |
| Lead | **465** |
| Dissolved, Lead | **458** |

| RW-14 | |
|---|---|
| Date | 04/23/24 |
| DRO | <840 |
| GRO | **42.9 J** |
| Benzene | **5.73** |
| Toluene | **1.68** |
| Ethylbenzene | **0.410 J** |
| Total Xylenes | <3.00 |
| EDB | **0.0100 J** |
| EDC | **2.82** |
| Naphthalene | ***<5.00 J*** |
| 1,2,4-Trimethylebenzene | <1.00 |
| 1,3,5-Trimethylbenzene | <1.00 |
| Lead | <6.00 |
| Dissolved, Lead | <6.00 |

| MW-7A | |
|---|---|
| Date | 04/23/24 |
| DRO | **4,880 [5,680]** |
| GRO | **9,560 [9,290]** |
| Benzene | **231 [240]** |
| Toluene | **441 [465]** |
| Ethylbenzene | **77.4 J [87.6]** |
| Total Xylenes | **3,070 [3,720]** |
| EDB | **16.0 J [14.0 J]** |
| EDC | ***<100*** **[10.3 J]** |
| Naphthalene | ***<500 J*** **[38.9 J]** |
| 1,2,4-Trimethylebenzene | **874 [1,010 ]** |
| 1,3,5-Trimethylbenzene | **258 [306]** |
| Lead | **16.8 [15.9]** |
| Dissolved, Lead | **16.7 [16.6]** |

CONCENTRATION IN µg/L

| Analyte | ADEC Groundwater Cleanup level (µg/L) |
|---|---|
| DRO | 1,500 |
| GRO | 2,200 |
| Benzene | 4.6 |
| Toluene | 1,100 |
| Ethylbenzene | 15 |
| TotalXylenes | 190 |
| EDB | 0.075 |
| EDC | 1.7 |
| Naphthalene | 1.7 |
| 1,2,4-Trimethylbenzene | 56 |
| 1,3,5-Trimethylbenzene | 60 |
| Lead | 15 |
| Dissolved, Lead | 15 |

**NOTES:**

1. HORIZONTAL DATUM: NAD83 ASP ZONE 4, VERTICAL DATUM: NAVD88. SURVEY DATA SOURCE: OPUS EPC 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 B "MCLANE CONSULTING, INC."

## 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 |
| J | THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY |
| NS | NOT SAMPLED |
| [ ] | DUPLICATE RESULTS |
| ADEC | ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION |

N

0 40' 80'

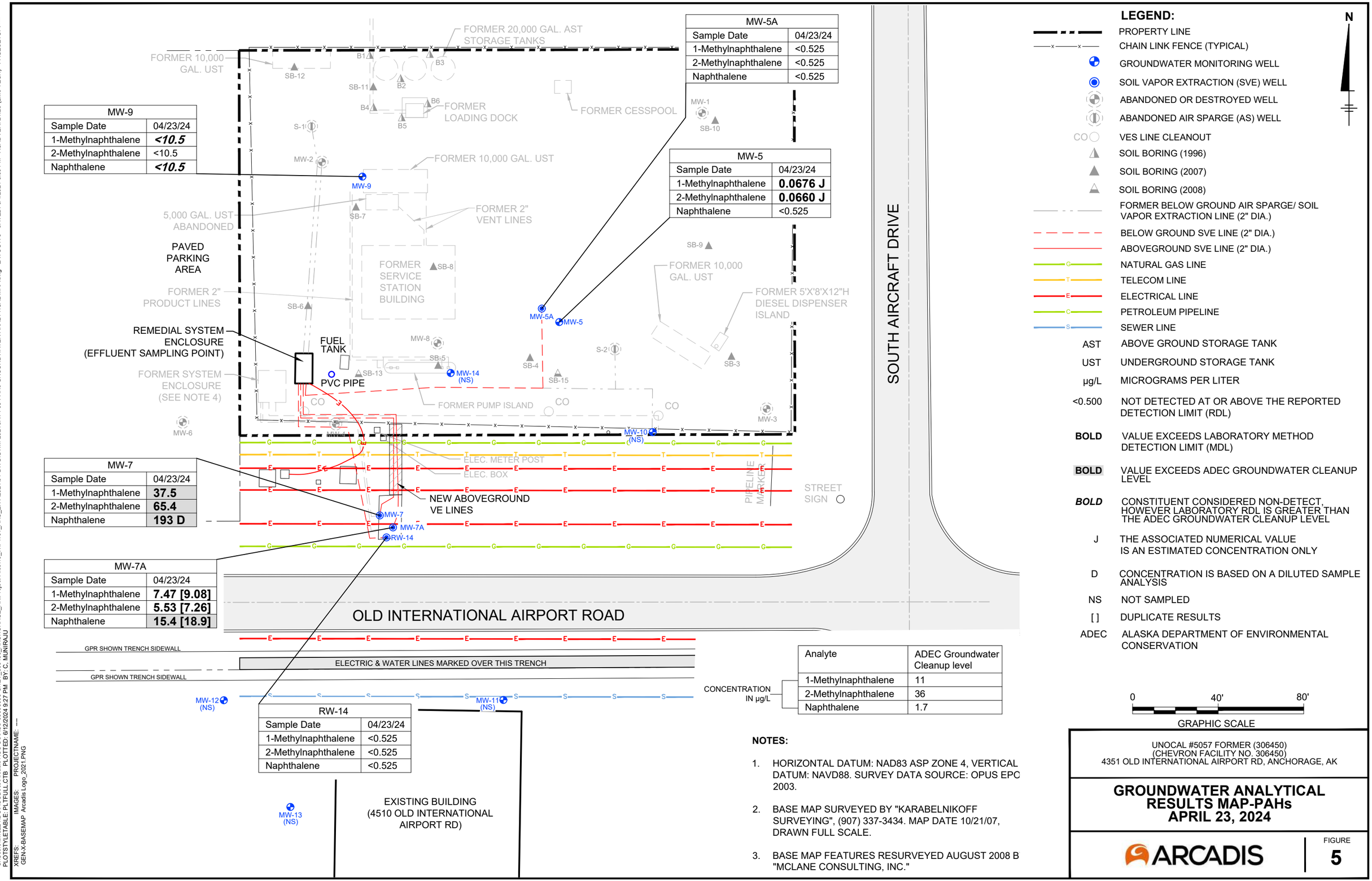
GRAPHIC SCALE

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

# GROUNDWATER ANALYTICAL RESULTS MAP APRIL 23, 2024

ARCADIS

FIGURE 4




| MW-9 | |
|---|---|
| Sample Date | 04/23/24 |
| 1-Methylnaphthalene | ***<10.5*** |
| 2-Methylnaphthalene | <10.5 |
| Naphthalene | ***<10.5*** |

| MW-5A | |
|---|---|
| Sample Date | 04/23/24 |
| 1-Methylnaphthalene | <0.525 |
| 2-Methylnaphthalene | <0.525 |
| Naphthalene | <0.525 |

| MW-5 | |
|---|---|
| Sample Date | 04/23/24 |
| 1-Methylnaphthalene | **0.0676 J** |
| 2-Methylnaphthalene | **0.0660 J** |
| Naphthalene | <0.525 |

| MW-7 | |
|---|---|
| Sample Date | 04/23/24 |
| 1-Methylnaphthalene | **37.5** |
| 2-Methylnaphthalene | **65.4** |
| Naphthalene | **193 D** |

| MW-7A | |
|---|---|
| Sample Date | 04/23/24 |
| 1-Methylnaphthalene | **7.47 [9.08]** |
| 2-Methylnaphthalene | **5.53 [7.26]** |
| Naphthalene | **15.4 [18.9]** |

| RW-14 | |
|---|---|
| Sample Date | 04/23/24 |
| 1-Methylnaphthalene | <0.525 |
| 2-Methylnaphthalene | <0.525 |
| Naphthalene | <0.525 |

## LEGEND:

- PROPERTY LINE
- CHAIN LINK FENCE (TYPICAL)
- GROUNDWATER MONITORING WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- ABANDONED OR DESTROYED WELL
- ABANDONED AIR SPARGE (AS) WELL
- CO — 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.)
- G — NATURAL GAS LINE
- T — TELECOM LINE
- E — ELECTRICAL LINE
- C — PETROLEUM PIPELINE
- S — 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 |
| ***BOLD*** | 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 |
| D | CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS |
| NS | NOT SAMPLED |
| [ ] | DUPLICATE RESULTS |
| ADEC | ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION |

CONCENTRATION IN µg/L

| Analyte | ADEC Groundwater Cleanup level |
|---|---|
| 1-Methylnaphthalene | 11 |
| 2-Methylnaphthalene | 36 |
| Naphthalene | 1.7 |

**NOTES:**

1. HORIZONTAL DATUM: NAD83 ASP ZONE 4, VERTICAL DATUM: NAVD88. SURVEY DATA SOURCE: OPUS EPC 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 B "MCLANE CONSULTING, INC."

N

0 40' 80'

GRAPHIC SCALE

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

# GROUNDWATER ANALYTICAL RESULTS MAP-PAHs APRIL 23, 2024

ARCADIS

FIGURE 5


CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(On|Off=*;OFF=*REF*
C:\Users\cm5224\DOCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_306450_ANCHORAGE_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-2024SA1-F05-PAHs-GROUNDWATER ANALYTICAL MAP.dwg LAYOUT: 5 SAVED: 6/4/2024 8:59 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 6/12/2024 9:27 PM BY: C. MUNIRAJU
XREFS: IMAGES: PROJECTNAME: ----
GEN-X-BASEMAP Arcadis Logo_2021.PNG

# Tables

**Table 1**
**Groundwater Monitoring Schedule**
**First 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-10 | Semi Annual | Y | N | Gauge only |
| MW-11 | Semi Annual | Y | N | Gauge only |
| MW-12 | Semi Annual | Y | N | Gauge only |
| MW-13 | Semi Annual | Y | N | Gauge only |
| MW-14 | Semi Annual | Y | Y | Dry, No water to sample |
| RW-14 | Semi Annual | Y | Y | |
| BD | 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**
**First 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** | **15.0** | **15.0** | |
| **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-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-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-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-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-10** | 04/23/24 | 82.52 | 25.60 | 56.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Gauge only |
| **MW-11** | 04/23/24 | 83.95 | 48.62 | 35.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Gauge only |
| **MW-12** | 04/23/24 | 84.04 | 50.70 | 33.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Gauge only |
| **MW-13** | 04/23/24 | 84.89 | 51.46 | 33.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Gauge only |
| **MW-14** | 04/23/24 | 83.66 | DRY | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Dry, No water to sample |
| **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** | ***<5.00 J*** | <1.00 | <1.00 | <6.00 | <6.00 | |

**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
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
First 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 |
| ADEC Groundwater Cleanup Levels | | 14,000 | -- | -- | 62 | -- | 1.3 | 33 | 7.5 | 1,000 | 2,000 | 690 | 810 | 4.6 |
| 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 |
| 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 |
| MW-7 | 04/23/24 | ***<25,000*** | <25,000 | <5,000 | ***<500 J*** | <500 | ***<500*** | ***<500*** | ***<2,500 J*** | <500 | <500 | <500 | <500 | ***<500*** |
| MW-7A | 04/23/24 | <5,000 | <5,000 | <1,000 | ***<100 J*** | <100 | ***<100*** | ***<100*** | ***<500 J*** | <100 | <100 | <100 | <100 | ***<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*** |
| 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*** |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 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 |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Chlorobenzene | Chlorodibromo-methane (Dibromochloro-methane) | 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 |
| ADEC Groundwater Cleanup Levels | | 78 | 8.7 | 21,000 | 2.2 | 190 | -- | -- | -- | 8.3 | 300 | 300 | 4.8 |
| MW-5 | 04/23/24 | <1.00 | <1.00 | <5.00 J | ***<5.00*** | <2.50 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| MW-5A | 04/23/24 | <1.00 | <1.00 | <5.00 J | ***<5.00*** | <2.50 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| MW-7 | 04/23/24 | ***<500*** | ***<500*** | <2,500 J | ***<2,500*** | ***<1,250*** | <500 | <500 | <2,500 | ***<500*** | ***<500*** | ***<500*** | ***<500*** |
| MW-7A | 04/23/24 | ***<100*** | ***<100*** | <500 J | ***<500*** | ***<250*** | <100 | <100 | <500 | ***<100*** | <100 | ***<100*** | ***<100*** |
| Duplicate (MW-7A) | 04/23/24 | <20.0 | ***<20.0*** | <100 J | ***<100*** | <50.0 | <20.0 | <20.0 | <100 | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** |
| MW-9 | 04/23/24 | <10.0 | ***<10.0*** | <50.0 J | ***<50.0*** | <25.0 | <10.0 | <10.0 | <50.0 | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| RW-14 | 04/23/24 | <1.00 | <1.00 | <5.00 J | ***<5.00*** | <2.50 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 | cis-1,3-Dichloropropene |
| ADEC Groundwater Cleanup Levels | | 200 | 28 | 280 | 36 | 360 | 8.2 | -- | -- | -- | -- |
| MW-5 | 04/23/24 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| MW-5A | 04/23/24 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| MW-7 | 04/23/24 | ***<2,500*** | ***<500*** | ***<500*** | ***<500*** | ***<500*** | ***<500*** | <500 | <500 | <500 | <500 |
| MW-7A | 04/23/24 | ***<500*** | ***<100*** | <100 | ***<100*** | <100 | ***<100*** | <100 | <100 | <100 | <100 |
| Duplicate (MW-7A) | 04/23/24 | <100 | <20.0 | <20.0 | <20.0 | <20.0 | ***<20.0*** | <20.0 | <20.0 | <20.0 | <20.0 |
| MW-9 | 04/23/24 | <50.0 | <10.0 | <10.0 | <10.0 | <10.0 | ***<10.0*** | <10.0 | <10.0 | <10.0 | <10.0 |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| RW-14 | 04/23/24 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | trans-1,3-Dichloropropene | Di-isopropyl ether | Hexachloro-1,3-butadiene (Hexachlorobutadiene) | Isopropylbenzene (Cumene) | p-Isopropyltoluene | 2-Butanone (Methyl ethyl ketone) | 4-Methyl-2-pentanone (Methyl Isobutyl Ketone) | Methylene chloride | MTBE | n-Propylbenzene (Propylbenzene) | Styrene |
| **ADEC Groundwater Cleanup Levels** | | -- | -- | 1.4 | 450 | -- | 5,600 | 6,300 | 110 | 140 | 660 | 1,200 |
| **MW-5** | 04/23/24 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| **MW-5A** | 04/23/24 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |
| **MW-7** | 04/23/24 | <500 | <500 | ***<500*** | **114 J** | <500 | <5,000 | <5,000 | ***<2,500*** | ***<500*** | **231 J** | <500 |
| **MW-7A** | 04/23/24 | <100 | <100 | ***<100*** | **13.0 J** | <100 | <1,000 | <1,000 | ***<500*** | <100 | **15.3 J** | <100 |
| **Duplicate (MW-7A)** | 04/23/24 | <20.0 | <20.0 | ***<20.0*** | **15.1 J** | <20.0 | <200 | <200 | <100 | <20.0 | **17.6 J** | <20.0 |
| **MW-9** | 04/23/24 | <10.0 | <10.0 | ***<10.0*** | **25.9** | <10.0 | <100 | <100 | <50.0 | <10.0 | **17.8** | <10.0 |
| **MW-10** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-11** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-12** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-13** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **RW-14** | 04/23/24 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 | <5.00 | <1.00 | <1.00 | <1.00 |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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) | 1,2,3-Trichloropropane |
| ADEC Groundwater Cleanup Levels | | 5.7 | 0.76 | 41 | 7.0 | 4.0 | 8,000 | 0.41 | 2.8 | 5,200 | 0.0075 |
| MW-5 | 04/23/24 | <1.00 | ***<1.00*** | <1.00 | <1.00 J | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | ***<0.500 J*** |
| MW-5A | 04/23/24 | <1.00 | ***<1.00*** | <1.00 | <1.00 J | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| MW-7 | 04/23/24 | ***<500*** | ***<500*** | ***<500*** | ***<500 J*** | ***<500*** | <500 | ***<500*** | ***<500*** | <2,500 | ***<5.00 J*** |
| MW-7A | 04/23/24 | ***<100*** | ***<100*** | ***<100*** | ***<100 J*** | ***<100*** | <100 | ***<100*** | ***<100*** | <500 | ***<5.00 J*** |
| Duplicate (MW-7A) | 04/23/24 | ***<20.0*** | ***<20.0*** | <20.0 | ***<20.0 J*** | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <100 | ***<5.00 J*** |
| MW-9 | 04/23/24 | ***<10.0*** | ***<10.0*** | <10.0 | ***<10.0 J*** | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <50.0 | ***<0.0500 J*** |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| RW-14 | 04/23/24 | <1.00 | ***<1.00*** | <1.00 | <1.00 J | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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 8270D | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113) | 1,2,3-Trimethylbenzene | Vinyl Chloride | Ace-naphthene | Ace-naphthylene | Anthracene | Benzo(a) anthracene | Benzo(a) pyrene |
| ADEC Groundwater Cleanup Levels | | 10,000 | -- | 0.19 | 530 | 260 | 43 | 0.3 | 0.25 |
| MW-5 | 04/23/24 | <1.00 | <1.00 | ***<1.00 J*** | **0.0264 J** | **0.0189 J** | <0.0525 | **0.0300 J** | <0.0525 |
| MW-5A | 04/23/24 | <1.00 | <1.00 | ***<1.00 J*** | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 |
| MW-7 | 04/23/24 | <500 | **560** | ***<500 J*** | **0.406** | <0.0525 | **0.0229 J** | **0.0246 J** | <0.0525 |
| MW-7A | 04/23/24 | <100 | **270** | ***<100 J*** | **0.126** | <0.0525 | <0.0525 | **0.0288 J** | <0.0525 |
| Duplicate (MW-7A) | 04/23/24 | <20.0 | **322** | ***<20.0 J*** | **0.149** | <0.0525 | <0.0525 | **0.0426 J** | <0.0525 |
| MW-9 | 04/23/24 | <10.0 | <10.0 | ***<10.0 J*** | <0.0525 | **5.81** | <0.0525 | <0.0525 | <0.0525 |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| RW-14 | 04/23/24 | <1.00 | <1.00 | ***<1.00 J*** | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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(b) fluoranthene | Benzo(g,h,i) perylene | Benzo(k) fluoranthene | 2-Chloro-naphthalene | Chrysene | Dibenz(a,h) anthracene | Fluoranthene | Fluorene |
| ADEC Groundwater Cleanup Levels | | 2.5 | 0.26 | 0.8 | 750 | 2.0 | 0.25 | 260 | 290 |
| MW-5 | 04/23/24 | <0.0525 | <0.0525 J | <0.263 | **0.0624 J** | **0.0350 J** | <0.0525 J | **0.138** | **0.0224 J** |
| MW-5A | 04/23/24 | <0.0525 | <0.0525 | <0.263 | <0.525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 |
| MW-7 | 04/23/24 | <0.0525 | <0.0525 | <0.263 | <0.525 | **0.0256 J** | <0.0525 | **0.0935** | **0.172** |
| MW-7A | 04/23/24 | <0.0525 | <0.0525 | <0.263 | <0.525 | **0.0270 J** | <0.0525 | **0.113** | **0.0828** |
| Duplicate (MW-7A) | 04/23/24 | **0.0349 J** | **0.0269 J** | **0.0255 J** | <0.525 | **0.0459 J** | <0.0525 | **0.141** | **0.0954** |
| MW-9 | 04/23/24 | <0.0525 | <0.0525 | <0.263 | <0.525 | <0.0525 | <0.0525 | <0.0525 B | <0.0525 |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- |
| RW-14 | 04/23/24 | <0.0525 | <0.0525 | <0.263 | <0.525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 |

Please refer to the final page of the table for the notes section

Table 3
Current Groundwater Additional Analytical Results
First 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 | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Indeno(1,2,3-cd) pyrene | 1-Methyl-naphthalene | 2-Methyl-naphthalene | Naphthalene | Phenanth-rene | Pyrene | Comments |
| ADEC Groundwater Cleanup Levels | | 0.19 | 11 | 36 | 1.7 | 170 | 120 | |
| MW-5 | 04/23/24 | <0.0525 J | **0.0676 J** | **0.0660 J** | <0.525 | <0.0746 B | **0.0782** | |
| MW-5A | 04/23/24 | <0.0525 | <0.525 | <0.525 | <0.525 | <0.0525 | <0.0525 | |
| MW-7 | 04/23/24 | <0.0525 | **37.5** | **65.4** | **193 D** | **0.216** | **0.0920** | |
| MW-7A | 04/23/24 | <0.0525 | **7.47** | **5.53** | **15.4** | **0.0432 J** | **0.164** | |
| Duplicate (MW-7A) | 04/23/24 | **0.0296 J** | **9.08** | **7.26** | **18.9** | **0.0696** | **0.199** | |
| MW-9 | 04/23/24 | <0.0525 | ***<10.5*** | <10.5 | ***<10.5*** | **0.0219 J** | **0.0212 J** | |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | Gauge only |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | Gauge only |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | Gauge only |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | Gauge only |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | Dry, No water to sample |
| RW-14 | 04/23/24 | <0.0525 | <0.525 | <0.525 | <0.525 | <0.0525 | <0.0525 | |

Please refer to the final page of the table for the notes section

**Table 3 Notes**
**Current Groundwater Additional Analytical Results**
**First 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 |
| 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 |
| 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 First 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 | 15.0 | 15.0 | |
| 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-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-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-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-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-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-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-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-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-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 |
| | | | | | | | | | | | | | | | | | | |
| 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 | |
| | | | | | | | | | | | | | | | | | | |

Please refer to the final page of the table for the notes section

**Table 4 Notes**
**Historical Groundwater Gauging and Primary Analytical Results**
**First Half 2023 through First 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 First 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 | Chlorodibromo-methane (Dibromochloro-methane) |
| 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 | 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 |
| 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 |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| 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 |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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*** |
| 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*** |
| 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 |
| 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*** |
| | | | | | | | | | | | | | | | | |
| 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 |
| 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*** |
| 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*** |
| 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*** |
| 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*** |
| | | | | | | | | | | | | | | | | |
| 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 |
| 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*** |
| 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*** |
| | | | | | | | | | | | | | | | | |
| 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 |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | | |
| 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 |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | | |
| 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 |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | | |
| 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 |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | | |
| MW-14 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 08/22/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | | |
| 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 |
| 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 |
| 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 |

Please refer to the final page of the table for the notes section

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through First 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 | cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene) |
| **ADEC Groundwater Cleanup Levels** | | **21,000** | **2.2** | **190** | **--** | **--** | **--** | **8.3** | **300** | **300** | **4.8** | **200** | **28** | **280** | **36** |
| **MW-5** | 04/14/23 | <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 | <1.00 |
| **MW-5** | 08/22/23 | <5.00 | ***<5.00*** | <2.50 J | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 J | <1.00 | <1.00 |
| **MW-5** | 04/23/24 | <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 | <1.00 |
| | | | | | | | | | | | | | | | |
| **MW-5A** | 04/14/23 | <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 | <1.00 |
| **MW-5A** | 08/22/23 | <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 | <1.00 |
| **MW-5A** | 04/23/24 | <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 | <1.00 |
| | | | | | | | | | | | | | | | |
| **MW-7** | 04/14/23 | <50.0 | ***<50.0*** | <25.0 | <10.0 | <10.0 | <50.0 | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <50.0 | <10.0 | <10.0 | <10.0 |
| **Duplicate (MW-7)** | 04/14/23 | <100 | ***<100*** | <50.0 | <20.0 | <20.0 | <100 | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <100 | <20.0 | <20.0 | <20.0 |
| **MW-7** | 08/22/23 | <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 | <1.00 J |
| **MW-7** | 04/23/24 | <2,500 J | ***<2,500*** | ***<1,250*** | <500 | <500 | <2,500 | ***<500*** | ***<500*** | ***<500*** | ***<500*** | ***<2,500*** | ***<500*** | ***<500*** | ***<500*** |
| | | | | | | | | | | | | | | | |
| **MW-7A** | 04/14/23 | <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 | <1.00 |
| **MW-7A** | 08/22/23 | <500 | ***<500*** | ***<250*** | <100 | <100 | <500 | ***<100*** | <100 | <100 | ***<100*** | ***<500*** | ***<100*** | <100 | ***<100*** |
| **Duplicate (MW-7A)** | 08/22/23 | <100 | ***<100*** | <50.0 | <20.0 | <20.0 | <100 | <20.0 | <20.0 | <20.0 | <20.0 | <100 | <20.0 | <20.0 | <20.0 |
| **MW-7A** | 04/23/24 | <500 J | ***<500*** | ***<250*** | <100 | <100 | <500 | ***<100*** | <100 | ***<100*** | ***<100*** | ***<500*** | ***<100*** | <100 | ***<100*** |
| **Duplicate (MW-7A)** | 04/23/24 | <100 J | ***<100*** | <50.0 | <20.0 | <20.0 | <100 | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <100 | <20.0 | <20.0 | <20.0 |
| | | | | | | | | | | | | | | | |
| **MW-9** | 04/14/23 | <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 | <1.00 |
| **MW-9** | 08/22/23 | <50.0 | ***<50.0*** | <25.0 | <10.0 | <10.0 | <50.0 | ***<10.0*** | <10.0 | <10.0 | ***<10.0*** | <50.0 | <10.0 | <10.0 | <10.0 |
| **MW-9** | 04/23/24 | <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 | <10.0 |
| | | | | | | | | | | | | | | | |
| **MW-10** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-10** | 08/22/23 | <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 | <1.00 |
| **MW-10** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-11** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-11** | 08/22/23 | <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 | <1.00 |
| **MW-11** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-12** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-12** | 08/22/23 | <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 | <1.00 |
| **MW-12** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-13** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-13** | 08/22/23 | <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 | <1.00 |
| **MW-13** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-14** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 08/22/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **RW-14** | 04/14/23 | <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 | <1.00 |
| **RW-14** | 08/22/23 | <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 | <1.00 |
| **RW-14** | 04/23/24 | <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 | <1.00 |

Please refer to the final page of the table for the notes section

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through First 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 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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 (Hexachlorobutadiene) | Isopropylbenzene (Cumeme) | p-Isopropyltoluene | 2-Butanone (Methyl ethyl ketone) | 4-Methyl-2-pentanone (Methyl Isobutyl Ketone) |
| **ADEC Groundwater Cleanup Levels** | | **360** | **8.2** | **--** | **--** | **--** | **--** | **--** | **--** | **1.4** | **450** | **--** | **5,600** | **6,300** |
| **MW-5** | 04/14/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | **2.25 J** | <1.00 | <10.0 | <10.0 |
| **MW-5** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | **3.73 J** | <1.00 | <10.0 | <10.0 |
| **MW-5** | 04/23/24 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| | | | | | | | | | | | | | | |
| **MW-5A** | 04/14/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 J | <1.00 | <10.0 | <10.0 |
| **MW-5A** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| **MW-5A** | 04/23/24 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| | | | | | | | | | | | | | | |
| **MW-7** | 04/14/23 | <10.0 | ***<10.0*** | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | ***<10.0*** | **95.6 J** | <10.0 | <100 | <100 |
| **Duplicate (MW-7)** | 04/14/23 | <20.0 | ***<20.0*** | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | ***<20.0*** | **89.6 J** | <20.0 | <200 | <200 |
| **MW-7** | 08/22/23 | <1.00 J | **2.94 J** | <1.00 J | <1.00 J | <1.00 J | <1.00 J | <1.00 J | <1.00 J | <1.00 J | **127 J** | **5.48 J** | **147 J** | **62.6 J** |
| **MW-7** | 04/23/24 | ***<500*** | ***<500*** | <500 | <500 | <500 | <500 | <500 | <500 | ***<500*** | **114 J** | <500 | <5,000 | <5,000 |
| | | | | | | | | | | | | | | |
| **MW-7A** | 04/14/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | **6.96 J** | <1.00 | <10.0 | <10.0 |
| **MW-7A** | 08/22/23 | <100 | ***<100*** | <100 | <100 | <100 | <100 | <100 | <100 | ***<100*** | **12.9 J** | **51.1 J** | <1,000 | <1,000 |
| **Duplicate (MW-7A)** | 08/22/23 | <20.0 | ***<20.0*** | <20.0 | <20.0 J | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | **8.64 J** | **4.27 J** | <200 | <200 |
| **MW-7A** | 04/23/24 | <100 | ***<100*** | <100 | <100 | <100 | <100 | <100 | <100 | ***<100*** | **13.0 J** | <100 | <1,000 | <1,000 |
| **Duplicate (MW-7A)** | 04/23/24 | <20.0 | ***<20.0*** | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | ***<20.0*** | **15.1 J** | <20.0 | <200 | <200 |
| | | | | | | | | | | | | | | |
| **MW-9** | 04/14/23 | <1.00 | **0.912 J** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | **1.60 J** | <1.00 | <10.0 | **1.68 J** |
| **MW-9** | 08/22/23 | <10.0 | ***<10.0*** | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | ***<10.0*** | <10.0 | <10.0 | <100 | <100 |
| **MW-9** | 04/23/24 | <10.0 | ***<10.0*** | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | ***<10.0*** | **25.9** | <10.0 | <100 | <100 |
| | | | | | | | | | | | | | | |
| **MW-10** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-10** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| **MW-10** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | |
| **MW-11** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-11** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| **MW-11** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | |
| **MW-12** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-12** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| **MW-12** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | |
| **MW-13** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-13** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| **MW-13** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | |
| **MW-14** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 08/22/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | |
| **RW-14** | 04/14/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 J | <1.00 | <10.0 | <10.0 |
| **RW-14** | 08/22/23 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |
| **RW-14** | 04/23/24 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | <10.0 |

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through First 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 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Methylene chloride | MTBE | n-Propylbenzene (Propylbenzene) | 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) | 1,2,3-Trichloropropane |
| **ADEC Groundwater Cleanup Levels** | | **110** | **140** | **660** | **1,200** | **5.7** | **0.76** | **41** | **7.0** | **4.0** | **8,000** | **0.41** | **2.8** | **5,200** | **0.0075** |
| **MW-5** | 04/14/23 | <5.00 | <1.00 | **3.64** | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | ***<0.250*** |
| **MW-5** | 08/22/23 | <5.00 J | <1.00 | **5.94 J** | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | ***<0.500 J*** |
| **MW-5** | 04/23/24 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 J | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | ***<0.500 J*** |
| | | | | | | | | | | | | | | | |
| **MW-5A** | 04/14/23 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 |
| **MW-5A** | 08/22/23 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| **MW-5A** | 04/23/24 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 J | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| | | | | | | | | | | | | | | | |
| **MW-7** | 04/14/23 | <50.0 | <10.0 | **248** | <10.0 | ***<10.0*** | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <50.0 | ***<10.0*** |
| **Duplicate (MW-7)** | 04/14/23 | <100 | <20.0 | **242** | <20.0 | ***<20.0*** | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <100 | ***<10.0*** |
| **MW-7** | 08/22/23 | <5.00 J | <1.00 J | **222 D 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*** | **0.486 J** | <5.00 J | ***<5.00 J*** |
| **MW-7** | 04/23/24 | ***<2,500*** | ***<500*** | **231 J** | <500 | ***<500*** | ***<500*** | ***<500*** | ***<500 J*** | ***<500*** | <500 | ***<500*** | ***<500*** | <2,500 | ***<5.00 J*** |
| | | | | | | | | | | | | | | | |
| **MW-7A** | 04/14/23 | <5.00 | <1.00 | **9.87 J** | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | ***<1.25*** |
| **MW-7A** | 08/22/23 | ***<500*** | <100 | **13.0 J** | <100 | ***<100*** | ***<100*** | ***<100*** | ***<100*** | ***<100*** | <100 | ***<100*** | ***<100*** | <500 | ***<5.00 J*** |
| **Duplicate (MW-7A)** | 08/22/23 | <100 | <20.0 | **9.15 J** | <20.0 | ***<20.0 J*** | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <20.0 | ***<20.0*** | ***<50.0*** | <100 | ***<5.00 J*** |
| **MW-7A** | 04/23/24 | ***<500*** | <100 | **15.3 J** | <100 | ***<100*** | ***<100*** | ***<100*** | ***<100 J*** | ***<100*** | <100 | ***<100*** | ***<100*** | <500 | ***<5.00 J*** |
| **Duplicate (MW-7A)** | 04/23/24 | <100 | <20.0 | **17.6 J** | <20.0 | ***<20.0*** | ***<20.0*** | <20.0 | ***<20.0 J*** | ***<20.0*** | <20.0 | ***<20.0*** | ***<20.0*** | <100 | ***<5.00 J*** |
| | | | | | | | | | | | | | | | |
| **MW-9** | 04/14/23 | <5.00 | <1.00 | **1.81** | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | **0.361 J** | <5.00 | ***<0.0500*** |
| **MW-9** | 08/22/23 | <50.0 | <10.0 | <10.0 | <10.0 | ***<10.0*** | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <50.0 | ***<0.0500 J*** |
| **MW-9** | 04/23/24 | <50.0 | <10.0 | **17.8** | <10.0 | ***<10.0*** | ***<10.0*** | <10.0 | ***<10.0 J*** | ***<10.0*** | <10.0 | ***<10.0*** | ***<10.0*** | <50.0 | ***<0.0500 J*** |
| | | | | | | | | | | | | | | | |
| **MW-10** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-10** | 08/22/23 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| **MW-10** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-11** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-11** | 08/22/23 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| **MW-11** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-12** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-12** | 08/22/23 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| **MW-12** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-13** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-13** | 08/22/23 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| **MW-13** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **MW-14** | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 08/22/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-14** | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | | | | | |
| **RW-14** | 04/14/23 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 |
| **RW-14** | 08/22/23 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |
| **RW-14** | 04/23/24 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | <1.00 | <1.00 J | <1.00 | <1.00 | ***<1.00*** | <1.00 | <5.00 | <0.00500 J |

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through First 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 8270D | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113) | 1,2,3-Trimethy-benzene | Vinyl Chloride | Ace-naphthene | Ace-naphthylene | Anthracene | Benzo(a) anthracene | Benzo(a) pyrene | Benzo(b) fluoranthene | Benzo(g,h,i) perylene |
| ADEC Groundwater Cleanup Levels | | 10,000 | -- | 0.19 | 530 | 260 | 43 | 0.3 | 0.25 | 2.5 | 0.26 |
| MW-5 | 04/14/23 | <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 | **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 J*** | **0.0264 J** | **0.0189 J** | <0.0525 | **0.0300 J** | <0.0525 | <0.0525 | <0.0525 J |
| | | | | | | | | | | | |
| MW-5A | 04/14/23 | <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*** | **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 J*** | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 |
| | | | | | | | | | | | |
| MW-7 | 04/14/23 | <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 | **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 | **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 | **560** | ***<500 J*** | **0.406** | <0.0525 | **0.0229 J** | **0.0246 J** | <0.0525 | <0.0525 | <0.0525 |
| | | | | | | | | | | | |
| MW-7A | 04/14/23 | <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 | **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 | **322** | ***<20.0*** | **0.142** | <0.0500 | <0.0500 | **0.0292 J** | <0.0500 | <0.0500 | <0.0500 |
| MW-7A | 04/23/24 | <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 | **322** | ***<20.0 J*** | **0.149** | <0.0525 | <0.0525 | **0.0426 J** | <0.0525 | **0.0349 J** | **0.0269 J** |
| | | | | | | | | | | | |
| MW-9 | 04/14/23 | <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*** | <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 J*** | <0.0525 | **5.81** | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 |
| | | | | | | | | | | | |
| MW-10 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-10 | 08/22/23 | <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-11 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-11 | 08/22/23 | <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-12 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-12 | 08/22/23 | <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-13 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-13 | 08/22/23 | <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-14 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 08/22/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | | |
| RW-14 | 04/14/23 | <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*** | <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 J*** | <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 First 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 |
| ADEC Groundwater Cleanup Levels | | 0.8 | 750 | 2.0 | 0.25 | 260 | 290 | 0.19 | 11 | 36 |
| 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** |
| 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** |
| 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** |
| | | | | | | | | | | |
| MW-5A | 04/14/23 | <0.273 | <0.545 | <0.0545 | <0.0545 | <0.0545 B | <0.0545 | <0.0545 | <0.545 | <0.545 |
| MW-5A | 08/22/23 | <0.250 | <0.500 | <0.0500 | <0.0500 | **0.0664** | <0.0500 | <0.0500 | <0.500 | <0.500 |
| MW-5A | 04/23/24 | <0.263 | <0.525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.525 | <0.525 |
| | | | | | | | | | | |
| 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** |
| 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** |
| 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** |
| MW-7 | 04/23/24 | <0.263 | <0.525 | **0.0256 J** | <0.0525 | **0.0935** | **0.172** | <0.0525 | **37.5** | **65.4** |
| | | | | | | | | | | |
| 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** |
| 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** |
| 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** |
| MW-7A | 04/23/24 | <0.263 | <0.525 | **0.0270 J** | <0.0525 | **0.113** | **0.0828** | <0.0525 | **7.47** | **5.53** |
| 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** |
| | | | | | | | | | | |
| 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** |
| 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** |
| MW-9 | 04/23/24 | <0.263 | <0.525 | <0.0525 | <0.0525 | <0.0525 B | <0.0525 | <0.0525 | ***<10.5*** | <10.5 |
| | | | | | | | | | | |
| 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 |
| MW-10 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | |
| 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** |
| MW-11 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | |
| 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 |
| MW-12 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | |
| 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 |
| MW-13 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | |
| MW-14 | 04/14/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 08/22/23 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-14 | 04/23/24 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | | | | | | |
| 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** |
| RW-14 | 08/22/23 | <0.250 | <0.500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.500 | <0.500 |
| RW-14 | 04/23/24 | <0.263 | <0.525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.525 | <0.525 |

Table 5
Historical Groundwater Additonal Analytical Results
First Half 2023 through First 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 | | | |
|---|---|---|---|---|---|
| | | Naphthalene | Phenanthrene | Pyrene | Comments |
| ADEC Groundwater Cleanup Levels | | 1.7 | 170 | 120 | |
| MW-5 | 04/14/23 | **1.43** | **0.0253 J** | <0.0540 | |
| MW-5 | 08/22/23 | **4.23 J** | <0.0500 J | <0.0500 J | |
| MW-5 | 04/23/24 | <0.525 | <0.0746 B | **0.0782** | |
| | | | | | |
| MW-5A | 04/14/23 | <0.545 | <0.0545 | <0.0545 | |
| MW-5A | 08/22/23 | <0.500 | <0.0500 | **0.0355 J** | |
| MW-5A | 04/23/24 | <0.525 | <0.0525 | <0.0525 | |
| | | | | | |
| MW-7 | 04/14/23 | **233 J D** | <0.0500 | **0.0356 J** | |
| Duplicate (MW-7) | 04/14/23 | **249 J D** | <0.0520 | **0.0304 J** | |
| MW-7 | 08/22/23 | **241 J** | **0.0654** | **0.0245 J** | |
| MW-7 | 04/23/24 | **193 D** | **0.216** | **0.0920** | |
| | | | | | |
| MW-7A | 04/14/23 | **19.9** | **0.0808** | **0.0587** | |
| MW-7A | 08/22/23 | **19.2 J** | **0.0857** | **0.107** | |
| Duplicate (MW-7A) | 08/22/23 | **26.7 J** | **0.0862** | **0.101** | |
| MW-7A | 04/23/24 | **15.4** | **0.0432 J** | **0.164** | |
| Duplicate (MW-7A) | 04/23/24 | **18.9** | **0.0696** | **0.199** | |
| | | | | | |
| MW-9 | 04/14/23 | <0.500 R | <0.0500 R | <0.0500 R | |
| MW-9 | 08/22/23 | **0.169 J** | **0.0304 J** | **0.0227 J** | |
| MW-9 | 04/23/24 | ***<10.5*** | **0.0219 J** | **0.0212 J** | |
| | | | | | |
| MW-10 | 04/14/23 | -- | -- | -- | |
| MW-10 | 08/22/23 | <0.500 | **0.0503** | **0.0472 J** | |
| MW-10 | 04/23/24 | -- | -- | -- | Gauge only |
| | | | | | |
| MW-11 | 04/14/23 | -- | -- | -- | |
| MW-11 | 08/22/23 | <0.500 | **0.0607** | **0.0213 J** | |
| MW-11 | 04/23/24 | -- | -- | -- | Gauge only |
| | | | | | |
| MW-12 | 04/14/23 | -- | -- | -- | |
| MW-12 | 08/22/23 | <0.500 | **0.0285 J** | **0.0291 J** | |
| MW-12 | 04/23/24 | -- | -- | -- | Gauge only |
| | | | | | |
| MW-13 | 04/14/23 | -- | -- | -- | |
| MW-13 | 08/22/23 | <0.500 | **0.0289 J** | <0.0500 | |
| MW-13 | 04/23/24 | -- | -- | -- | Gauge only |
| | | | | | |
| 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 |
| | | | | | |
| RW-14 | 04/14/23 | <0.550 | **0.0353 J** | **0.0231 J** | |
| RW-14 | 08/22/23 | <0.500 | <0.0500 | <0.0500 | |
| RW-14 | 04/23/24 | <0.525 | <0.0525 | <0.0525 | |

Please refer to the final page of the table for the notes section

**Table 5 Notes**
**Historical Groundwater Additional Analytical Results**
**First Half 2023 through First 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 |
| 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

**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 |
|---|---|---|
| CLEAR, T:41.43 °F, rH:65%, Clouds: 0%, Wind:3.44mph NW | | Water Quality Meter (i.e. YSI), Water Level Meter (WLM), Bladder Pump, Photoionization Detector (PID) |

| Date | Time | Description of Activities |
|---|---|---|
| 04/23/2024 | 6:00 | Arrive on site<br>Locate Wells |
| 04/23/2024 | 7:00 | Sample MW9<br>Decon equipment<br>See COC for analysis |
| 04/23/2024 | 7:45 | Sample MW5A<br>Decon equipment<br>See COC for analysis |
| 04/23/2024 | 8:30 | Sample RW14<br>Decon equipment<br>See COC for analysis |
| 04/23/2024 | 9:15 | Sample MW5<br>MS/MSD samples collected from this location<br>Decon equipment<br>See COC for analysis |
| 04/23/2024 | 10:00 | Sample MW7<br>Decon equipment<br>See COC for analysis |
| 04/23/2024 | 10:45 | Sample MW7<br>BD samples collected at this location<br>Decon equipment<br>See COC for analysis |
| 04/23/2024 | 11:30 | MW14 dry. No sample collected.<br>Load vehicle<br>Mobilize offsite |

# Daily Log

**Signature**

# Groundwater Gauging Log

| | |
|---|---|
| **Project Number** | 30064225 |
| **Client:** | Chevron |
| **Site ID:** | 306450 |
| **Site Location:** | Anchorage, Alaska |
| **Measuring Point:** | Top of Casing |
| **Date(s):** | 04/23/2024 |
| **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-5 | 04/23/2024 | 06:20 | 42.87 | ND | 55.50 | 0 | -- | -- |
| MW-5A | 04/23/2024 | 06:55 | 30.05 | ND | 44.00 | 0 | -- | -- |
| MW-7 | 04/23/2024 | 06:26 | 51.55 | ND | 57.10 | 0 | -- | -- |
| MW-7A | 04/23/2024 | 06:45 | 52.65 | ND | 65.00 | 0 | -- | -- |
| MW-9 | 04/23/2024 | 06:23 | 33.18 | ND | 39.80 | 0 | -- | -- |
| MW-10 | 04/23/2024 | 06:12 | 25.60 | ND | 48.00 | 0 | -- | -- |
| MW-11 | 04/23/2024 | 06:42 | 48.62 | ND | 58.00 | 0 | -- | -- |
| MW-12 | 04/23/2024 | 07:32 | 50.70 | ND | 58.00 | 0 | -- | -- |
| MW-13 | 04/23/2024 | 06:37 | 51.46 | ND | 62.00 | 0 | -- | -- |
| MW-14 | 04/23/2024 | 06:19 | Dry | ND | 23.30 | 0 | -- | No water to sample |
| RW-14 | 04/23/2024 | 06:47 | 49.70 | 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-7 | **Date** | 4/23/2024 | | |
| **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)** | 51.55 | **Total Depth (ft-bmp)** | 57.1 | **Water Column (ft)** | 5.55 | **Gallons in Well** | 0.9 |
| **Water Quality Meter Make/Model** | Horiba U-52 | **Purge Method** | Low-Flow | **Collection Type** | | | Grab |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Time** | 10:00 | **Well Volumes Purged** | 0.70 | **Sample ID** | MW-7-W-20240423 | **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) | Color |
|---|---|---|---|---|---|---|---|---|---|
| 09:33 | 200 | 51.56 | 6.86 | 0.227 | 25.8 | 0.15 | 7.39 | 30 | -- |
| 09:36 | 200 | 51.57 | 6.82 | 0.228 | 24.5 | 0.00 | 7.56 | 19 | -- |
| 09:39 | 200 | 51.58 | 6.81 | 0.228 | 25.0 | 0.00 | 7.62 | 17 | -- |
| 09:42 | 200 | 51.59 | 6.79 | 0.227 | 23.8 | 0.00 | 7.65 | 14 | -- |

**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-20240423 | 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 | 51.59 |

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** | 4/23/2024 | | |
| **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)** | 49.7 | **Total Depth (ft-bmp)** | 55 | **Water Column (ft)** | 5.3 | **Gallons in Well** | 7.75 |
| **Water Quality Meter Make/Model** | Horiba U-52 | **Purge Method** | Low-Flow | **Collection Type** | | | Grab |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Time** | 08:30 | **Well Volumes Purged** | 0.08 | **Sample ID** | RW-14-W-20240423 | **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) | Color |
|---|---|---|---|---|---|---|---|---|---|
| 08:03 | 200 | 49.7 | 6.90 | 0.216 | 9.3 | 0.67 | 7.06 | 65 | -- |
| 08:06 | 200 | 49.7 | 6.87 | 0.228 | 8.4 | 0.00 | 7.19 | 55 | -- |
| 08:09 | 200 | 49.7 | 6.87 | 0.230 | 7.1 | 0.00 | 7.23 | 51 | -- |
| 08:12 | 200 | 49.7 | 6.90 | 0.232 | 5.8 | 0.00 | 7.26 | 48 | -- |

**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-20240423 | Sample Time: | 08:30 | Sample Depth (ft-bmp) (e.g. pump intake): | 50.5 |
| Analytes and Methods: | See Chain-of-Custody. | | | Depth to Water at Time of Sampling | 49.7 |

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** | 4/23/2024 | | |
| **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)** | 30.05 | **Total Depth (ft-bmp)** | 44 | **Water Column (ft)** | 13.95 | **Gallons in Well** | 2.27 |
| **Water Quality Meter Make/Model** | Horiba U-52 | **Purge Method** | Low-Flow | **Collection Type** | | | Grab |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Time** | 07:45 | **Well Volumes Purged** | 0.35 | **Sample ID** | MW-5A-W-20240423 | **Purge Equipment** | Bladder |
| **Purge Start** | 07:20 | **Gallons Purged** | 0.79 | **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) | Color |
|---|---|---|---|---|---|---|---|---|---|
| 07:23 | 200 | 30.07 | 6.44 | 0.161 | 11.0 | 3.63 | 6.75 | 115 | -- |
| 07:26 | 200 | 30.09 | 6.18 | 0.147 | 7.4 | 3.81 | 6.91 | 155 | -- |
| 07:29 | 200 | 30.1 | 6.09 | 0.142 | 3.1 | 3.85 | 7.01 | 183 | -- |
| 07:32 | 200 | 30.11 | 6.06 | 0.147 | 1.4 | 3.87 | 7.07 | 205 | -- |
| 07:35 | 200 | 30.11 | 6.06 | 0.146 | 1.9 | 3.95 | 7.07 | 211 | -- |

**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-20240423 Sample Time: 07:45 Sample Depth (ft-bmp) (e.g. pump intake): 31

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 30.11

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** | 4/23/2024 | | |
| **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)** | 33.18 | **Total Depth (ft-bmp)** | 39.8 | **Water Column (ft)** | 6.62 | **Gallons in Well** | 1.08 |
| **Water Quality Meter Make/Model** | Horiba U-52 | **Purge Method** | Low-Flow | **Collection Type** | | | Grab |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Time** | 07:00 | **Well Volumes Purged** | 0.73 | **Sample ID** | MW-9-W-20240423 | **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) | Color |
|---|---|---|---|---|---|---|---|---|---|
| 06:33 | 200 | 33.2 | 6.93 | 0.381 | 2.3 | 3.15 | 6.34 | 40 | -- |
| 06:36 | 200 | 33.21 | 6.89 | 0.378 | 3.3 | 1.07 | 6.33 | 40 | -- |
| 06:39 | 200 | 33.22 | 6.90 | 0.377 | 3.3 | 0.60 | 6.32 | 39 | -- |
| 06:42 | 200 | 33.23 | 6.89 | 0.373 | 3.1 | 0.46 | 6.31 | 38 | -- |

**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-20240423 | Sample Time: | 07:00 | Sample Depth (ft-bmp) (e.g. pump intake): | 34 |
| Analytes and Methods: | See Chain-of-Custody. | | | Depth to Water at Time of Sampling | 33.23 |

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** | 4/23/2024 | | |
| **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)** | 52.65 | **Total Depth (ft-bmp)** | 65 | **Water Column (ft)** | 12.35 | **Gallons in Well** | 2.01 |
| **Water Quality Meter Make/Model** | Horiba U-52 | **Purge Method** | Low-Flow | **Collection Type** | | | Grab |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Time** | 10:45 | **Well Volumes Purged** | 0.32 | **Sample ID** | MW-7A-W-20230423 | **Purge Equipment** | Bladder |
| **Purge Start** | 10:20 | **Gallons Purged** | 0.63 | **Duplicate ID** | BD | **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) | Color |
|---|---|---|---|---|---|---|---|---|---|
| 10:23 | 200 | 52.66 | 7.00 | 0.303 | 2.9 | 0.00 | 7.62 | -43 | -- |
| 10:26 | 200 | 52.67 | 7.05 | 0.310 | 2.0 | 0.00 | 7.67 | -50 | -- |
| 10:29 | 200 | 52.68 | 7.10 | 0.318 | 0.6 | 0.00 | 7.72 | -53 | -- |
| 10:32 | 200 | 52.69 | 7.12 | 0.317 | 0.0 | 0.00 | 7.75 | -57 | -- |

**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-20230423 | Sample Time: | 10:45 | Sample Depth (ft-bmp) (e.g. pump intake): | 53 |
| Analytes and Methods: | See Chain-of-Custody. | | | Depth to Water at Time of Sampling | 52.69 |

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** | 4/23/2024 | | |
| **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)** | 42.87 | **Total Depth (ft-bmp)** | 55.5 | **Water Column (ft)** | 12.63 | **Gallons in Well** | 2.05 |
| **Water Quality Meter Make/Model** | Horiba U-52 | **Purge Method** | Low-Flow | **Collection Type** | | | Grab |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Sample Time** | 09:15 | **Well Volumes Purged** | 0.31 | **Sample ID** | MW-5-W-20240423 | **Purge Equipment** | Bladder |
| **Purge Start** | 08:50 | **Gallons Purged** | 0.63 | **Duplicate ID** | MS/MSD | **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) | Color |
|---|---|---|---|---|---|---|---|---|---|
| 08:53 | 200 | 42.89 | 6.71 | 0.095 | 6.6 | 4.86 | 6.79 | 190 | -- |
| 08:56 | 200 | 42.9 | 6.81 | 0.089 | 5.8 | 4.77 | 6.85 | 183 | -- |
| 08:59 | 200 | 42.91 | 6.89 | 0.087 | 4.8 | 4.71 | 6.88 | 180 | -- |
| 09:02 | 200 | 42.92 | 6.91 | 0.086 | 4.0 | 4.68 | 6.90 | 178 | -- |

**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-20240423 | Sample Time: | 09:15 | Sample Depth (ft-bmp) (e.g. pump intake): | 43.5 |
| Analytes and Methods: | See Chain-of-Custody. | | | Depth to Water at Time of Sampling | 42.92 |

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

May 03, 2024



## Arcadis - Chevron - AK

| | |
|---|---|
| Sample Delivery Group: | L1728850 |
| Samples Received: | 04/24/2024 |
| Project Number: | 30064225.19.45 |
| Description: | 306450 |
| Site: | 4351 W. ITNL AIRPORT RD |
| Report To: | Skip Robinson<br>880 H St.<br>Anchorage, AK 99501 |

Entire Report Reviewed By:

Shane Gambill
Project Manager



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

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## MW-5-W-20240423 L1728850-01 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 09:15 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 22:41 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:16 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 08:22 | 04/30/24 08:22 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 100 | 04/26/24 18:43 | 04/26/24 18:43 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 12:38 | 04/28/24 12:38 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1 | 05/02/24 05:38 | 05/03/24 07:04 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2276201 | 1.05 | 04/29/24 07:07 | 04/30/24 00:51 | MKM | Mt. Juliet, TN |

## MW-5A-W-20240423 L1728850-02 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 07:45 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273595 | 1 | 04/24/24 22:46 | 04/25/24 19:12 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:23 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 08:49 | 04/30/24 08:49 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1 | 04/26/24 17:19 | 04/26/24 17:19 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 12:59 | 04/28/24 12:59 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1.05 | 05/02/24 05:38 | 05/03/24 08:05 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 16:19 | MKM | Mt. Juliet, TN |

## MW-7-W-20240423 L1728850-03 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 10:00 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 22:49 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:25 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 100 | 04/30/24 10:37 | 04/30/24 10:37 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1000 | 04/26/24 19:04 | 04/26/24 19:04 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 500 | 04/28/24 16:26 | 04/28/24 16:26 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1.05 | 05/02/24 05:38 | 05/03/24 08:25 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 16:37 | MKM | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 10.5 | 04/25/24 06:07 | 04/26/24 21:57 | MBE | Mt. Juliet, TN |

## MW-7A-W-20240423 L1728850-04 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 10:45 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 22:51 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:26 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 09:16 | 04/30/24 09:16 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1000 | 04/26/24 19:25 | 04/26/24 19:25 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 100 | 04/28/24 16:47 | 04/28/24 16:47 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1.05 | 05/02/24 05:38 | 05/03/24 08:45 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 16:54 | MKM | Mt. Juliet, TN |

## MW-9-W-20240423 L1728850-05 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 07:00 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 22:53 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:28 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 09:42 | 04/30/24 09:42 | NCD | Mt. Juliet, TN |

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

## MW-9-W-20240423 L1728850-05 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 07:00 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 10 | 04/26/24 19:46 | 04/26/24 19:46 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 10 | 04/28/24 17:08 | 04/28/24 17:08 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1 | 05/02/24 05:38 | 05/03/24 09:51 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 17:11 | MKM | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 21 | 04/25/24 06:07 | 04/26/24 22:51 | MBE | Mt. Juliet, TN |

## RW-14-W-20240423 L1728850-06 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 08:30 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 22:58 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:34 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 10:10 | 04/30/24 10:10 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1 | 04/26/24 17:40 | 04/26/24 17:40 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 13:20 | 04/28/24 13:20 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1.05 | 05/02/24 05:38 | 05/03/24 10:11 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 17:29 | MKM | Mt. Juliet, TN |

## BD-1-W-20240423 L1728850-07 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 00:00 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 23:00 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:35 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2277750 | 5 | 05/02/24 00:22 | 05/02/24 00:22 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 20 | 04/28/24 17:29 | 04/28/24 17:29 | DYW | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276407 | 1000 | 04/29/24 15:54 | 04/29/24 15:54 | BRA | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1.33 | 05/02/24 05:38 | 05/03/24 10:32 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 17:46 | MKM | Mt. Juliet, TN |

## EQB-1-W-20240423 L1728850-08 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 11:00 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Metals (ICP) by Method 6010D | WG2273608 | 1 | 04/29/24 01:16 | 04/29/24 23:02 | ZSA | Mt. Juliet, TN |
| Metals (ICP) by Method 6010D | WG2276113 | 1 | 04/30/24 08:34 | 04/30/24 12:37 | DJS | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 05:40 | 04/30/24 05:40 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1 | 04/26/24 18:01 | 04/26/24 18:01 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 12:18 | 04/28/24 12:18 | DYW | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method AK102 | WG2278589 | 1 | 05/02/24 05:38 | 05/03/24 10:52 | MAA | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM | WG2273988 | 1.05 | 04/25/24 06:07 | 04/25/24 18:03 | MKM | Mt. Juliet, TN |

## TRIP BLANK 1-20240423 L1728850-09 GW

Collected by: E. Wujcik | Collected date/time: 04/23/24 00:00 | Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 03:53 | 04/30/24 03:53 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1 | 04/26/24 13:50 | 04/26/24 13:50 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 10:55 | 04/28/24 10:55 | DYW | Mt. Juliet, TN |

## TRIP BLANK 2-20240423 L1728850-10 GW

Collected by: E. Wujcik
Collected date/time: 04/23/24 00:00
Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 04:20 | 04/30/24 04:20 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1 | 04/26/24 14:10 | 04/26/24 14:10 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 11:15 | 04/28/24 11:15 | DYW | Mt. Juliet, TN |

## TRIP BLANK 3-20240423 L1728850-11 GW

Collected by: E. Wujcik
Collected date/time: 04/23/24 00:00
Received date/time: 04/24/24 09:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC) by Method AK101 | WG2276803 | 1 | 04/30/24 04:47 | 04/30/24 04:47 | NCD | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2273650 | 1 | 04/26/24 14:31 | 04/26/24 14:31 | BRA | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260D | WG2276081 | 1 | 04/28/24 11:36 | 04/28/24 11:36 | DYW | 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.

Shane Gambill
Project Manager

## Volatile Organic Compounds (GC) by Method AK101

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

| Batch | Lab Sample ID | Analytes |
|---|---|---|
| WG2276803 | (MSD) R4064235-6, L1728850-01 | TPHGAK C6 to C10 |

## 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 |
|---|---|---|
| WG2276081 | L1728850-01 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-02 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-03 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-04 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-05 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-06 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-07 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-08 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-09 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-10 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |
| WG2276081 | L1728850-11 | 1,2,3-Trichlorobenzene, Bromobenzene, Bromomethane, Chloroethane, Naphthalene and Vinyl chloride |

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

| Batch | Lab Sample ID | Analytes |
|---|---|---|
| WG2276081 | (LCS) R4064142-1, (LCSD) R4064142-2, L1728850-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 | Vinyl chloride |

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

Surrogate recovery cannot be used for control limit evaluation due to dilution.

| Batch | Analyte | Lab Sample ID |
|---|---|---|
| WG2273988 | 2-Fluorobiphenyl | L1728850-05 |
| WG2273988 | Nitrobenzene-d5 | L1728850-05 |
| WG2273988 | p-Terphenyl-d14 | L1728850-05 |

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

| Batch | Analyte | Lab Sample ID |
|---|---|---|
| WG2273988 | Nitrobenzene-d5 | L1728850-03 |

The same analyte is found in the associated blank.

| Batch | Analyte | Lab Sample ID |
|---|---|---|
| WG2276201 | Fluoranthene | L1728850-01 |
| WG2276201 | Phenanthrene | L1728850-01 |

The sample concentration is too high to evaluate accurate spike recoveries.

| Batch | Lab Sample ID | Analytes |
|---|---|---|
| WG2273988 | (MSD) R4062086-4 | 1-Methylnaphthalene |

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

| Batch | Lab Sample ID | Analytes |
|---|---|---|
| WG2273988 | (MSD) R4062086-4 | Benzo(g,h,i)perylene, Chrysene and Dibenz(a,h)anthracene |
| WG2276201 | (MSD) R4063893-2, L1728850-01 | Benzo(g,h,i)perylene, Dibenz(a,h)anthracene and Indeno(1,2,3-cd)pyrene |

## 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 | 04/29/2024 22:41 | WG2273608 |
| Lead,Dissolved | U | | 2.99 | 6.00 | 1 | 04/30/2024 12:16 | WG2276113 |

## Volatile Organic Compounds (GC) by Method AK101

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHGAK C6 to C10 | U | J6 | 28.7 | 100 | 1 | 04/30/2024 08:22 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *86.6* | | | *50.0-150* | | *04/30/2024 08:22* | WG2276803 |

## 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 | 11.5 | J | 11.3 | 50.0 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.200 | 0.500 | 100 | 04/26/2024 18:43 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.410 | 0.500 | 100 | 04/26/2024 18:43 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 12:38 | WG2276081 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 12:38 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |

## 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 | 04/28/2024 12:38 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 12:38 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 12:38 | WG2276081 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Toluene | 0.659 | J | 0.278 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 12:38 | WG2276081 |
| *(S) Toluene-d8* | *115* | | | *80.0-120* | | *04/28/2024 12:38* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *103* | | | *77.0-126* | | *04/28/2024 12:38* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *86.4* | | | *70.0-130* | | *04/28/2024 12:38* | WG2276081 |

**Sample Narrative:**

L1728850-01 WG2273650: 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 | 180 | J | 170 | 800 | 1 | 05/03/2024 07:04 | WG2278589 |
| *(S) o-Terphenyl* | *59.8* | | | *50.0-150* | | *05/03/2024 07:04* | WG2278589 |

## 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 | | 0.0199 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Acenaphthene | 0.0264 | J | 0.0199 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Acenaphthylene | 0.0189 | J | 0.0179 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Benzo(a)anthracene | 0.0300 | J | 0.0210 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Benzo(g,h,i)perylene | U | J3 | 0.0189 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Chrysene | 0.0350 | J | 0.0189 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |

## 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 | J3 | 0.0189 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Fluoranthene | 0.138 | B | 0.0115 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Fluorene | 0.0224 | J | 0.0179 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Indeno(1,2,3-cd)pyrene | U | J3 | 0.0189 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Naphthalene | U | | 0.134 | 0.525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Phenanthrene | 0.0746 | B | 0.0189 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| Pyrene | 0.0782 | | 0.0179 | 0.0525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| 1-Methylnaphthalene | 0.0676 | J | 0.0210 | 0.525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| 2-Methylnaphthalene | 0.0660 | J | 0.0294 | 0.525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| 2-Chloronaphthalene | 0.0624 | J | 0.0126 | 0.525 | 1.05 | 04/30/2024 00:51 | WG2276201 |
| *(S) Nitrobenzene-d5* | *79.0* | | | *11.0-135* | | *04/30/2024 00:51* | WG2276201 |
| *(S) 2-Fluorobiphenyl* | *111* | | | *32.0-120* | | *04/30/2024 00:51* | WG2276201 |
| *(S) p-Terphenyl-d14* | *114* | | | *23.0-122* | | *04/30/2024 00:51* | WG2276201 |

## 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 | 04/25/2024 19:12 | WG2273595 |
| Lead,Dissolved | U | | 2.99 | 6.00 | 1 | 04/30/2024 12:23 | WG2276113 |

## Volatile Organic Compounds (GC) by Method AK101

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHGAK C6 to C10 | U | | 28.7 | 100 | 1 | 04/30/2024 08:49 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *90.8* | | | *50.0-150* | | *04/30/2024 08:49* | WG2276803 |

## 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 | 04/28/2024 12:59 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.00200 | 0.00500 | 1 | 04/26/2024 17:19 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.00410 | 0.00500 | 1 | 04/26/2024 17:19 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 12:59 | WG2276081 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 12:59 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |

## 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 | 04/28/2024 12:59 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 12:59 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 12:59 | WG2276081 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Toluene | 0.299 | J | 0.278 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 12:59 | WG2276081 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *04/28/2024 12:59* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 12:59* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *86.8* | | | *70.0-130* | | *04/28/2024 12:59* | WG2276081 |

## 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 | 1520 | | 179 | 840 | 1.05 | 05/03/2024 08:05 | WG2278589 |
| *(S) o-Terphenyl* | *65.4* | | | *50.0-150* | | *05/03/2024 08:05* | WG2278589 |

## 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 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Acenaphthene | U | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Acenaphthylene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Benzo(a)anthracene | U | | 0.0210 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Benzo(g,h,i)perylene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Chrysene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Dibenz(a,h)anthracene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Fluoranthene | U | | 0.0115 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Fluorene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |

## 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 | 04/25/2024 16:19 | WG2273988 |
| Naphthalene | U | | 0.134 | 0.525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Phenanthrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| Pyrene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| 1-Methylnaphthalene | U | | 0.0210 | 0.525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| 2-Methylnaphthalene | U | | 0.0294 | 0.525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 16:19 | WG2273988 |
| *(S) Nitrobenzene-d5* | *97.6* | | | *11.0-135* | | *04/25/2024 16:19* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *84.8* | | | *32.0-120* | | *04/25/2024 16:19* | WG2273988 |
| *(S) p-Terphenyl-d14* | *90.0* | | | *23.0-122* | | *04/25/2024 16:19* | WG2273988 |

## Metals (ICP) by Method 6010D

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 465 | | 2.99 | 6.00 | 1 | 04/29/2024 22:49 | WG2273608 |
| Lead,Dissolved | 458 | | 2.99 | 6.00 | 1 | 04/30/2024 12:25 | WG2276113 |

## 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 | 99800 | | 2870 | 10000 | 100 | 04/30/2024 10:37 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *87.8* | | | *50.0-150* | | *04/30/2024 10:37* | WG2276803 |

## 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 | 04/28/2024 16:26 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 2.00 | 5.00 | 1000 | 04/26/2024 19:04 | WG2273650 |
| Acrolein | U | | 1270 | 25000 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2-Dibromoethane | 205 | | 4.10 | 5.00 | 1000 | 04/26/2024 19:04 | WG2273650 |
| Acrylonitrile | U | | 336 | 5000 | 500 | 04/28/2024 16:26 | WG2276081 |
| Benzene | 1980 | | 47.1 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Bromobenzene | U | C3 | 59.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Bromochloromethane | U | | 64.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Bromodichloromethane | U | | 68.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Bromoform | U | | 64.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Bromomethane | U | C3 | 303 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| n-Butylbenzene | U | | 78.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| sec-Butylbenzene | U | | 62.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| tert-Butylbenzene | U | | 63.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Carbon disulfide | U | | 48.1 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Carbon tetrachloride | U | | 64.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Chlorobenzene | U | | 58.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Chlorodibromomethane | U | | 70.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Chloroethane | U | C3 | 96.0 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Chloroform | U | | 55.5 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Chloromethane | U | | 480 | 1250 | 500 | 04/28/2024 16:26 | WG2276081 |
| 2-Chlorotoluene | U | | 53.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 4-Chlorotoluene | U | | 57.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 138 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2-Dibromoethane | 248 | J | 63.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Dibromomethane | U | | 61.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 53.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 55.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 60.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Dichlorodifluoromethane | U | | 187 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1-Dichloroethane | U | | 50.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2-Dichloroethane | U | | 40.9 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1-Dichloroethene | U | | 94.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 63.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 74.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2-Dichloropropane | U | | 74.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1-Dichloropropene | U | | 71.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,3-Dichloropropane | U | | 55.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 55.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 59.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 2,2-Dichloropropane | U | | 80.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Di-isopropyl ether | U | | 52.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |

## 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 | 3770 | | 68.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 169 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Isopropylbenzene | 114 | J | 52.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| p-Isopropyltoluene | U | | 60.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 2-Butanone (MEK) | U | | 595 | 5000 | 500 | 04/28/2024 16:26 | WG2276081 |
| Methylene Chloride | U | | 215 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 239 | 5000 | 500 | 04/28/2024 16:26 | WG2276081 |
| Methyl tert-butyl ether | U | | 50.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Naphthalene | U | C3 | 500 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| n-Propylbenzene | 231 | J | 49.7 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Styrene | U | | 59.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 73.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 66.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 90.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Tetrachloroethene | U | | 150 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Toluene | 29000 | | 139 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 115 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 241 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 74.5 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 79.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Trichloroethene | U | | 95.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Trichlorofluoromethane | U | | 80.0 | 2500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 119 | 1250 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2,4-Trimethylbenzene | 2030 | | 161 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,2,3-Trimethylbenzene | 560 | | 52.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| 1,3,5-Trimethylbenzene | 520 | | 52.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 117 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| Xylenes, Total | 23400 | | 87.0 | 1500 | 500 | 04/28/2024 16:26 | WG2276081 |
| o-Xylene | 7260 | | 87.0 | 500 | 500 | 04/28/2024 16:26 | WG2276081 |
| m&p-Xylene | 16100 | | 215 | 1000 | 500 | 04/28/2024 16:26 | WG2276081 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *04/28/2024 16:26* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *103* | | | *77.0-126* | | *04/28/2024 16:26* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *84.0* | | | *70.0-130* | | *04/28/2024 16:26* | WG2276081 |

**Sample Narrative:**

L1728850-03 WG2273650: 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 | 25000 | | 179 | 840 | 1.05 | 05/03/2024 08:25 | WG2278589 |
| *(S) o-Terphenyl* | *74.5* | | | *50.0-150* | | *05/03/2024 08:25* | WG2278589 |

## 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 | 0.0229 | J | 0.0199 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Acenaphthene | 0.406 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Acenaphthylene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Benzo(a)anthracene | 0.0246 | J | 0.0210 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Benzo(g,h,i)perylene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Chrysene | 0.0256 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |

## 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 | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Fluoranthene | 0.0935 | | 0.0115 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Fluorene | 0.172 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Indeno(1,2,3-cd)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Naphthalene | 193 | | 1.34 | 5.25 | 10.5 | 04/26/2024 21:57 | WG2273988 |
| Phenanthrene | 0.216 | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| Pyrene | 0.0920 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| 1-Methylnaphthalene | 37.5 | | 0.0210 | 0.525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| 2-Methylnaphthalene | 65.4 | | 0.0294 | 0.525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 16:37 | WG2273988 |
| *(S) Nitrobenzene-d5* | *173* | J1 | | *11.0-135* | | *04/25/2024 16:37* | WG2273988 |
| *(S) Nitrobenzene-d5* | *142* | J1 | | *11.0-135* | | *04/26/2024 21:57* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *66.2* | | | *32.0-120* | | *04/26/2024 21:57* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *47.6* | | | *32.0-120* | | *04/25/2024 16:37* | WG2273988 |
| *(S) p-Terphenyl-d14* | *58.6* | | | *23.0-122* | | *04/25/2024 16:37* | WG2273988 |
| *(S) p-Terphenyl-d14* | *47.6* | | | *23.0-122* | | *04/26/2024 21:57* | WG2273988 |

Sample Narrative:

L1728850-03 WG2273988: Surrogate failure due to matrix interference

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 | 16.8 | | 2.99 | 6.00 | 1 | 04/29/2024 22:51 | WG2273608 |
| Lead,Dissolved | 16.7 | | 2.99 | 6.00 | 1 | 04/30/2024 12:26 | WG2276113 |

## 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 | 9560 | | 28.7 | 100 | 1 | 04/30/2024 09:16 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *92.4* | | | *50.0-150* | | *04/30/2024 09:16* | WG2276803 |

## 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 | 04/28/2024 16:47 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 2.00 | 5.00 | 1000 | 04/26/2024 19:25 | WG2273650 |
| Acrolein | U | | 254 | 5000 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2-Dibromoethane | 16.0 | | 4.10 | 5.00 | 1000 | 04/26/2024 19:25 | WG2273650 |
| Acrylonitrile | U | | 67.1 | 1000 | 100 | 04/28/2024 16:47 | WG2276081 |
| Benzene | 231 | | 9.41 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Bromobenzene | U | C3 | 11.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Bromochloromethane | U | | 12.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Bromodichloromethane | U | | 13.6 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Bromoform | U | | 12.9 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Bromomethane | U | C3 | 60.5 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| n-Butylbenzene | U | | 15.7 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| sec-Butylbenzene | U | | 12.5 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| tert-Butylbenzene | U | | 12.7 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Carbon disulfide | U | | 9.62 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Carbon tetrachloride | U | | 12.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Chlorobenzene | U | | 11.6 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Chlorodibromomethane | U | | 14.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Chloroethane | U | C3 | 19.2 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| Chloroform | U | | 11.1 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| Chloromethane | U | | 96.0 | 250 | 100 | 04/28/2024 16:47 | WG2276081 |
| 2-Chlorotoluene | U | | 10.6 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 4-Chlorotoluene | U | | 11.4 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 27.6 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2-Dibromoethane | U | | 12.6 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Dibromomethane | U | | 12.2 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 10.7 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 11.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 12.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Dichlorodifluoromethane | U | | 37.4 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1-Dichloroethane | U | | 10.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2-Dichloroethane | U | | 8.19 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1-Dichloroethene | U | | 18.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 12.6 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 14.9 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2-Dichloropropane | U | | 14.9 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1-Dichloropropene | U | | 14.2 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,3-Dichloropropane | U | | 11.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 11.1 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 11.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 2,2-Dichloropropane | U | | 16.1 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Di-isopropyl ether | U | | 10.5 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |

## 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 | 77.4 | J | 13.7 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 33.7 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Isopropylbenzene | 13.0 | J | 10.5 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| p-Isopropyltoluene | U | | 12.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 2-Butanone (MEK) | U | | 119 | 1000 | 100 | 04/28/2024 16:47 | WG2276081 |
| Methylene Chloride | U | | 43.0 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 47.8 | 1000 | 100 | 04/28/2024 16:47 | WG2276081 |
| Methyl tert-butyl ether | U | | 10.1 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Naphthalene | U | C3 | 100 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| n-Propylbenzene | 15.3 | J | 9.93 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Styrene | U | | 11.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 14.7 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 13.3 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 18.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Tetrachloroethene | U | | 30.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Toluene | 441 | | 27.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 23.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 48.1 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 14.9 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 15.8 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Trichloroethene | U | | 19.0 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Trichlorofluoromethane | U | | 16.0 | 500 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 23.7 | 250 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2,4-Trimethylbenzene | 874 | | 32.2 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,2,3-Trimethylbenzene | 270 | | 10.4 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| 1,3,5-Trimethylbenzene | 258 | | 10.4 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 23.4 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| Xylenes, Total | 3070 | | 17.4 | 300 | 100 | 04/28/2024 16:47 | WG2276081 |
| o-Xylene | 997 | | 17.4 | 100 | 100 | 04/28/2024 16:47 | WG2276081 |
| m&p-Xylene | 2070 | | 43.0 | 200 | 100 | 04/28/2024 16:47 | WG2276081 |
| *(S) Toluene-d8* | *114* | | | *80.0-120* | | *04/28/2024 16:47* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *103* | | | *77.0-126* | | *04/28/2024 16:47* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *84.1* | | | *70.0-130* | | *04/28/2024 16:47* | WG2276081 |

**Sample Narrative:**

L1728850-04 WG2273650: 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 | 4880 | | 179 | 840 | 1.05 | 05/03/2024 08:45 | WG2278589 |
| *(S) o-Terphenyl* | *69.2* | | | *50.0-150* | | *05/03/2024 08:45* | WG2278589 |

## 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 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Acenaphthene | 0.126 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Acenaphthylene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Benzo(a)anthracene | 0.0288 | J | 0.0210 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Benzo(g,h,i)perylene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Chrysene | 0.0270 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |

## 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 | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Fluoranthene | 0.113 | | 0.0115 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Fluorene | 0.0828 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Indeno(1,2,3-cd)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Naphthalene | 15.4 | | 0.134 | 0.525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Phenanthrene | 0.0432 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| Pyrene | 0.164 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| 1-Methylnaphthalene | 7.47 | | 0.0210 | 0.525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| 2-Methylnaphthalene | 5.53 | | 0.0294 | 0.525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 16:54 | WG2273988 |
| *(S) Nitrobenzene-d5* | *92.9* | | | *11.0-135* | | *04/25/2024 16:54* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *74.3* | | | *32.0-120* | | *04/25/2024 16:54* | WG2273988 |
| *(S) p-Terphenyl-d14* | *79.5* | | | *23.0-122* | | *04/25/2024 16:54* | WG2273988 |

## 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 | 04/29/2024 22:53 | WG2273608 |
| Lead,Dissolved | U | | 2.99 | 6.00 | 1 | 04/30/2024 12:28 | WG2276113 |

## 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 | 4570 | | 28.7 | 100 | 1 | 04/30/2024 09:42 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *96.7* | | | *50.0-150* | | *04/30/2024 09:42* | WG2276803 |

## 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 | 04/28/2024 17:08 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.0200 | 0.0500 | 10 | 04/26/2024 19:46 | WG2273650 |
| Acrolein | U | | 25.4 | 500 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2-Dibromoethane | 0.600 | | 0.0410 | 0.0500 | 10 | 04/26/2024 19:46 | WG2273650 |
| Acrylonitrile | U | | 6.71 | 100 | 10 | 04/28/2024 17:08 | WG2276081 |
| Benzene | 1070 | | 0.941 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Bromobenzene | U | C3 | 1.18 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Bromochloromethane | U | | 1.28 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Bromodichloromethane | U | | 1.36 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Bromoform | U | | 1.29 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Bromomethane | U | C3 | 6.05 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| n-Butylbenzene | U | | 1.57 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| sec-Butylbenzene | U | | 1.25 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| tert-Butylbenzene | U | | 1.27 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Carbon disulfide | U | | 0.962 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Carbon tetrachloride | U | | 1.28 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Chlorobenzene | U | | 1.16 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Chlorodibromomethane | U | | 1.40 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Chloroethane | U | C3 | 1.92 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Chloroform | U | | 1.11 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Chloromethane | U | | 9.60 | 25.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 2-Chlorotoluene | U | | 1.06 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 4-Chlorotoluene | U | | 1.14 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 2.76 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2-Dibromoethane | U | | 1.26 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Dibromomethane | U | | 1.22 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 1.07 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 1.10 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 1.20 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Dichlorodifluoromethane | U | | 3.74 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1-Dichloroethane | U | | 1.00 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2-Dichloroethane | 7.51 | J | 0.819 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1-Dichloroethene | U | | 1.88 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 1.26 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 1.49 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2-Dichloropropane | U | | 1.49 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1-Dichloropropene | U | | 1.42 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,3-Dichloropropane | U | | 1.10 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 1.11 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 1.18 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 2,2-Dichloropropane | U | | 1.61 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Di-isopropyl ether | U | | 1.05 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |

## 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 | 53.8 | | 1.37 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 3.37 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Isopropylbenzene | 25.9 | | 1.05 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| p-Isopropyltoluene | U | | 1.20 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 2-Butanone (MEK) | U | | 11.9 | 100 | 10 | 04/28/2024 17:08 | WG2276081 |
| Methylene Chloride | U | | 4.30 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 4.78 | 100 | 10 | 04/28/2024 17:08 | WG2276081 |
| Methyl tert-butyl ether | U | | 1.01 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Naphthalene | U | C3 | 10.0 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| n-Propylbenzene | 17.8 | | 0.993 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Styrene | U | | 1.18 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 1.47 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 1.33 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 1.80 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Tetrachloroethene | U | | 3.00 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Toluene | U | | 2.78 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 2.30 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 4.81 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 1.49 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 1.58 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Trichloroethene | U | | 1.90 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Trichlorofluoromethane | U | | 1.60 | 50.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 2.37 | 25.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 3.22 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 1.04 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| 1,3,5-Trimethylbenzene | 1.11 | J | 1.04 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 2.34 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| Xylenes, Total | 104 | | 1.74 | 30.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| o-Xylene | U | | 1.74 | 10.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| m&p-Xylene | 104 | | 4.30 | 20.0 | 10 | 04/28/2024 17:08 | WG2276081 |
| *(S) Toluene-d8* | *114* | | | *80.0-120* | | *04/28/2024 17:08* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 17:08* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *85.0* | | | *70.0-130* | | *04/28/2024 17:08* | WG2276081 |

**Sample Narrative:**

L1728850-05 WG2273650: 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 | 13900 | | 170 | 800 | 1 | 05/03/2024 09:51 | WG2278589 |
| *(S) o-Terphenyl* | *147* | | | *50.0-150* | | *05/03/2024 09:51* | WG2278589 |

## 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 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Acenaphthene | U | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Acenaphthylene | 5.81 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Benzo(a)anthracene | U | | 0.0210 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Benzo(g,h,i)perylene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Chrysene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |

## 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 | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Fluoranthene | 0.0235 | J | 0.0115 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Fluorene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Indeno(1,2,3-cd)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Naphthalene | U | | 2.69 | 10.5 | 21 | 04/26/2024 22:51 | WG2273988 |
| Phenanthrene | 0.0219 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| Pyrene | 0.0212 | J | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| 1-Methylnaphthalene | U | | 0.420 | 10.5 | 21 | 04/26/2024 22:51 | WG2273988 |
| 2-Methylnaphthalene | U | | 0.588 | 10.5 | 21 | 04/26/2024 22:51 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 17:11 | WG2273988 |
| *(S) Nitrobenzene-d5* | *0.000* | J7 | | *11.0-135* | | *04/26/2024 22:51* | WG2273988 |
| *(S) Nitrobenzene-d5* | *29.9* | | | *11.0-135* | | *04/25/2024 17:11* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *83.8* | J7 | | *32.0-120* | | *04/26/2024 22:51* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *73.3* | | | *32.0-120* | | *04/25/2024 17:11* | WG2273988 |
| *(S) p-Terphenyl-d14* | *69.0* | | | *23.0-122* | | *04/25/2024 17:11* | WG2273988 |
| *(S) p-Terphenyl-d14* | *61.9* | J7 | | *23.0-122* | | *04/26/2024 22:51* | WG2273988 |

Sample Narrative:

L1728850-05 WG2273988: 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 | U | | 2.99 | 6.00 | 1 | 04/29/2024 22:58 | WG2273608 |
| Lead,Dissolved | U | | 2.99 | 6.00 | 1 | 04/30/2024 12:34 | WG2276113 |

## 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 | 42.9 | J | 28.7 | 100 | 1 | 04/30/2024 10:10 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *87.3* | | | *50.0-150* | | *04/30/2024 10:10* | WG2276803 |

## 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 | 04/28/2024 13:20 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.00200 | 0.00500 | 1 | 04/26/2024 17:40 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2-Dibromoethane | 0.0100 | | 0.00410 | 0.00500 | 1 | 04/26/2024 17:40 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 13:20 | WG2276081 |
| Benzene | 5.73 | | 0.0941 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 13:20 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2-Dichloroethane | 2.82 | | 0.0819 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |

## 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 | 0.410 | J | 0.137 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 13:20 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 13:20 | WG2276081 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Toluene | 1.68 | | 0.278 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 13:20 | WG2276081 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *04/28/2024 13:20* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 13:20* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *87.0* | | | *70.0-130* | | *04/28/2024 13:20* | WG2276081 |

## 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 | | 179 | 840 | 1.05 | 05/03/2024 10:11 | WG2278589 |
| *(S) o-Terphenyl* | *126* | | | *50.0-150* | | *05/03/2024 10:11* | WG2278589 |

**Sample Narrative:**

L1728850-06 WG2278589: Dilution due to sample volume.

## 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 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Acenaphthene | U | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Acenaphthylene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Benzo(a)anthracene | U | | 0.0210 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Benzo(g,h,i)perylene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Chrysene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |

## 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 | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Fluoranthene | U | | 0.0115 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Fluorene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Indeno(1,2,3-cd)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Naphthalene | U | | 0.134 | 0.525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Phenanthrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| Pyrene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| 1-Methylnaphthalene | U | | 0.0210 | 0.525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| 2-Methylnaphthalene | U | | 0.0294 | 0.525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 17:29 | WG2273988 |
| *(S) Nitrobenzene-d5* | *81.4* | | | *11.0-135* | | *04/25/2024 17:29* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *69.5* | | | *32.0-120* | | *04/25/2024 17:29* | WG2273988 |
| *(S) p-Terphenyl-d14* | *76.2* | | | *23.0-122* | | *04/25/2024 17:29* | WG2273988 |

## Metals (ICP) by Method 6010D

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Lead | 15.9 | | 2.99 | 6.00 | 1 | 04/29/2024 23:00 | WG2273608 |
| Lead,Dissolved | 16.6 | | 2.99 | 6.00 | 1 | 04/30/2024 12:35 | WG2276113 |

## 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 | 9290 | | 143 | 500 | 5 | 05/02/2024 00:22 | WG2277750 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *90.0* | | | *50.0-150* | | *05/02/2024 00:22* | WG2277750 |

## 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 | | 226 | 1000 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 2.00 | 5.00 | 1000 | 04/29/2024 15:54 | WG2276407 |
| Acrolein | U | | 50.8 | 1000 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2-Dibromoethane | 14.0 | | 4.10 | 5.00 | 1000 | 04/29/2024 15:54 | WG2276407 |
| Acrylonitrile | U | | 13.4 | 200 | 20 | 04/28/2024 17:29 | WG2276081 |
| Benzene | 240 | | 1.88 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Bromobenzene | U | C3 | 2.36 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Bromochloromethane | U | | 2.56 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Bromodichloromethane | U | | 2.72 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Bromoform | U | | 2.58 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Bromomethane | U | C3 | 12.1 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| n-Butylbenzene | U | | 3.14 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| sec-Butylbenzene | 6.10 | J | 2.50 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| tert-Butylbenzene | U | | 2.54 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Carbon disulfide | U | | 1.92 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Carbon tetrachloride | U | | 2.56 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Chlorobenzene | U | | 2.32 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Chlorodibromomethane | U | | 2.80 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Chloroethane | U | C3 | 3.84 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| Chloroform | U | | 2.22 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| Chloromethane | U | | 19.2 | 50.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 2-Chlorotoluene | U | | 2.12 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 4-Chlorotoluene | U | | 2.28 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 5.52 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2-Dibromoethane | 17.0 | J | 2.52 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Dibromomethane | U | | 2.44 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 2.14 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 2.20 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 2.40 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Dichlorodifluoromethane | U | | 7.48 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1-Dichloroethane | U | | 2.00 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2-Dichloroethane | 10.3 | J | 1.64 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1-Dichloroethene | U | | 3.76 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 2.52 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 2.98 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2-Dichloropropane | U | | 2.98 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1-Dichloropropene | U | | 2.84 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,3-Dichloropropane | U | | 2.20 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 2.22 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 2.36 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 2,2-Dichloropropane | U | | 3.22 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Di-isopropyl ether | U | | 2.10 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |

## 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 | 87.6 | | 2.74 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 6.74 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Isopropylbenzene | 15.1 | J | 2.10 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| p-Isopropyltoluene | U | | 2.40 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 2-Butanone (MEK) | U | | 23.8 | 200 | 20 | 04/28/2024 17:29 | WG2276081 |
| Methylene Chloride | U | | 8.60 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 9.56 | 200 | 20 | 04/28/2024 17:29 | WG2276081 |
| Methyl tert-butyl ether | U | | 2.02 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Naphthalene | 38.9 | C3 J | 20.0 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| n-Propylbenzene | 17.6 | J | 1.99 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Styrene | U | | 2.36 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 2.94 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 2.66 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 3.60 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Tetrachloroethene | U | | 6.00 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Toluene | 465 | | 5.56 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 4.60 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 9.62 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 2.98 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 3.16 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Trichloroethene | U | | 3.80 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Trichlorofluoromethane | U | | 3.20 | 100 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 4.74 | 50.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2,4-Trimethylbenzene | 1010 | | 6.44 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,2,3-Trimethylbenzene | 322 | | 2.08 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| 1,3,5-Trimethylbenzene | 306 | | 2.08 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 4.68 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| Xylenes, Total | 3720 | | 3.48 | 60.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| o-Xylene | 1230 | | 3.48 | 20.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| m&p-Xylene | 2490 | | 8.60 | 40.0 | 20 | 04/28/2024 17:29 | WG2276081 |
| *(S) Toluene-d8* | *115* | | | *80.0-120* | | *04/28/2024 17:29* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 17:29* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *84.5* | | | *70.0-130* | | *04/28/2024 17:29* | WG2276081 |

## 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 | 5680 | | 226 | 1060 | 1.33 | 05/03/2024 10:32 | WG2278589 |
| *(S) o-Terphenyl* | *135* | | | *50.0-150* | | *05/03/2024 10:32* | WG2278589 |

## 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 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Acenaphthene | 0.149 | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Acenaphthylene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Benzo(a)anthracene | 0.0426 | J | 0.0210 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Benzo(b)fluoranthene | 0.0349 | J | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Benzo(g,h,i)perylene | 0.0269 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Benzo(k)fluoranthene | 0.0255 | J | 0.0210 | 0.263 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Chrysene | 0.0459 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Dibenz(a,h)anthracene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Fluoranthene | 0.141 | | 0.0115 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Fluorene | 0.0954 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |

## 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 | 0.0296 | J | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Naphthalene | 18.9 | | 0.134 | 0.525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Phenanthrene | 0.0696 | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| Pyrene | 0.199 | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| 1-Methylnaphthalene | 9.08 | | 0.0210 | 0.525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| 2-Methylnaphthalene | 7.26 | | 0.0294 | 0.525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 17:46 | WG2273988 |
| *(S) Nitrobenzene-d5* | *110* | | | *11.0-135* | | *04/25/2024 17:46* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *81.4* | | | *32.0-120* | | *04/25/2024 17:46* | WG2273988 |
| *(S) p-Terphenyl-d14* | *84.3* | | | *23.0-122* | | *04/25/2024 17:46* | WG2273988 |

## 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 | 04/29/2024 23:02 | WG2273608 |
| Lead,Dissolved | U | | 2.99 | 6.00 | 1 | 04/30/2024 12:37 | WG2276113 |

## Volatile Organic Compounds (GC) by Method AK101

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHGAK C6 to C10 | U | | 28.7 | 100 | 1 | 04/30/2024 05:40 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *90.1* | | | *50.0-150* | | *04/30/2024 05:40* | WG2276803 |

## 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 | 04/28/2024 12:18 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.00200 | 0.00500 | 1 | 04/26/2024 18:01 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.00410 | 0.00500 | 1 | 04/26/2024 18:01 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 12:18 | WG2276081 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Chloroform | 0.222 | J | 0.111 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 12:18 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |

## 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 | 04/28/2024 12:18 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 12:18 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 12:18 | WG2276081 |
| Methyl tert-butyl ether | U | | 0.101 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Toluene | U | | 0.278 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 12:18 | WG2276081 |
| *(S) Toluene-d8* | *115* | | | *80.0-120* | | *04/28/2024 12:18* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 12:18* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *86.0* | | | *70.0-130* | | *04/28/2024 12:18* | WG2276081 |

## 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 | | 170 | 800 | 1 | 05/03/2024 10:52 | WG2278589 |
| *(S) o-Terphenyl* | *67.8* | | | *50.0-150* | | *05/03/2024 10:52* | WG2278589 |

## 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 | 04/25/2024 18:03 | WG2273988 |
| Acenaphthene | U | | 0.0199 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Acenaphthylene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Benzo(a)anthracene | U | | 0.0210 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Benzo(a)pyrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Benzo(b)fluoranthene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Benzo(g,h,i)perylene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Benzo(k)fluoranthene | U | | 0.0210 | 0.263 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Chrysene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Dibenz(a,h)anthracene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Fluoranthene | 0.0131 | J | 0.0115 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Fluorene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |

## 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 | 04/25/2024 18:03 | WG2273988 |
| Naphthalene | U | | 0.134 | 0.525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Phenanthrene | U | | 0.0189 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| Pyrene | U | | 0.0179 | 0.0525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| 1-Methylnaphthalene | U | | 0.0210 | 0.525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| 2-Methylnaphthalene | U | | 0.0294 | 0.525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| 2-Chloronaphthalene | U | | 0.0126 | 0.525 | 1.05 | 04/25/2024 18:03 | WG2273988 |
| *(S) Nitrobenzene-d5* | *91.0* | | | *11.0-135* | | *04/25/2024 18:03* | WG2273988 |
| *(S) 2-Fluorobiphenyl* | *80.0* | | | *32.0-120* | | *04/25/2024 18:03* | WG2273988 |
| *(S) p-Terphenyl-d14* | *92.9* | | | *23.0-122* | | *04/25/2024 18:03* | WG2273988 |

## Volatile Organic Compounds (GC) by Method AK101

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHGAK C6 to C10 | U | | 28.7 | 100 | 1 | 04/30/2024 03:53 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *88.3* | | | *50.0-150* | | *04/30/2024 03:53* | WG2276803 |

## 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 | 04/28/2024 10:55 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.00200 | 0.00500 | 1 | 04/26/2024 13:50 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.00410 | 0.00500 | 1 | 04/26/2024 13:50 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 10:55 | WG2276081 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 10:55 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 10:55 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 10:55 | WG2276081 |

## 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 | 04/28/2024 10:55 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Toluene | U | | 0.278 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 10:55 | WG2276081 |
| *(S) Toluene-d8* | *117* | | | *80.0-120* | | *04/28/2024 10:55* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *101* | | | *77.0-126* | | *04/28/2024 10:55* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *85.1* | | | *70.0-130* | | *04/28/2024 10:55* | WG2276081 |

## Volatile Organic Compounds (GC) by Method AK101

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHGAK C6 to C10 | U | | 28.7 | 100 | 1 | 04/30/2024 04:20 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *89.1* | | | *50.0-150* | | *04/30/2024 04:20* | WG2276803 |

## 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 | 04/28/2024 11:15 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.00200 | 0.00500 | 1 | 04/26/2024 14:10 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.00410 | 0.00500 | 1 | 04/26/2024 14:10 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 11:15 | WG2276081 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 11:15 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 11:15 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 11:15 | WG2276081 |

## 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 | 04/28/2024 11:15 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Toluene | U | | 0.278 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 11:15 | WG2276081 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *04/28/2024 11:15* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 11:15* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *85.6* | | | *70.0-130* | | *04/28/2024 11:15* | WG2276081 |

## Volatile Organic Compounds (GC) by Method AK101

| Analyte | Result ug/l | Qualifier | MDL ug/l | RDL ug/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| TPHGAK C6 to C10 | U | | 28.7 | 100 | 1 | 04/30/2024 04:47 | WG2276803 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *89.2* | | | *50.0-150* | | *04/30/2024 04:47* | WG2276803 |

## 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 | 04/28/2024 11:36 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.00200 | 0.00500 | 1 | 04/26/2024 14:31 | WG2273650 |
| Acrolein | U | | 2.54 | 50.0 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.00410 | 0.00500 | 1 | 04/26/2024 14:31 | WG2273650 |
| Acrylonitrile | U | | 0.671 | 10.0 | 1 | 04/28/2024 11:36 | WG2276081 |
| Benzene | U | | 0.0941 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Bromobenzene | U | C3 | 0.118 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Bromochloromethane | U | | 0.128 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Bromodichloromethane | U | | 0.136 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Bromoform | U | | 0.129 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Bromomethane | U | C3 | 0.605 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| n-Butylbenzene | U | | 0.157 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| sec-Butylbenzene | U | | 0.125 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| tert-Butylbenzene | U | | 0.127 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Carbon disulfide | U | | 0.0962 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Carbon tetrachloride | U | | 0.128 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Chlorobenzene | U | | 0.116 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Chlorodibromomethane | U | | 0.140 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Chloroethane | U | C3 | 0.192 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Chloroform | U | | 0.111 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Chloromethane | U | | 0.960 | 2.50 | 1 | 04/28/2024 11:36 | WG2276081 |
| 2-Chlorotoluene | U | | 0.106 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 4-Chlorotoluene | U | | 0.114 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2-Dibromo-3-Chloropropane | U | | 0.276 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2-Dibromoethane | U | | 0.126 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Dibromomethane | U | | 0.122 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2-Dichlorobenzene | U | | 0.107 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,3-Dichlorobenzene | U | | 0.110 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,4-Dichlorobenzene | U | | 0.120 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Dichlorodifluoromethane | U | | 0.374 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1-Dichloroethane | U | | 0.100 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2-Dichloroethane | U | | 0.0819 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1-Dichloroethene | U | | 0.188 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| cis-1,2-Dichloroethene | U | | 0.126 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| trans-1,2-Dichloroethene | U | | 0.149 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2-Dichloropropane | U | | 0.149 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1-Dichloropropene | U | | 0.142 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,3-Dichloropropane | U | | 0.110 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| cis-1,3-Dichloropropene | U | | 0.111 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| trans-1,3-Dichloropropene | U | | 0.118 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 2,2-Dichloropropane | U | | 0.161 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Di-isopropyl ether | U | | 0.105 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Ethylbenzene | U | | 0.137 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Hexachloro-1,3-butadiene | U | | 0.337 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Isopropylbenzene | U | | 0.105 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| p-Isopropyltoluene | U | | 0.120 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 2-Butanone (MEK) | U | | 1.19 | 10.0 | 1 | 04/28/2024 11:36 | WG2276081 |
| Methylene Chloride | U | | 0.430 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.478 | 10.0 | 1 | 04/28/2024 11:36 | WG2276081 |

## 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 | 04/28/2024 11:36 | WG2276081 |
| Naphthalene | U | C3 | 1.00 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| n-Propylbenzene | U | | 0.0993 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Styrene | U | | 0.118 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1,1,2-Tetrachloroethane | U | | 0.147 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1,2,2-Tetrachloroethane | U | | 0.133 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.180 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Tetrachloroethene | U | | 0.300 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Toluene | U | | 0.278 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2,3-Trichlorobenzene | U | C3 | 0.230 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2,4-Trichlorobenzene | U | | 0.481 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1,1-Trichloroethane | U | | 0.149 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,1,2-Trichloroethane | U | | 0.158 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Trichloroethene | U | | 0.190 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Trichlorofluoromethane | U | | 0.160 | 5.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2,3-Trichloropropane | U | | 0.237 | 2.50 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2,4-Trimethylbenzene | U | | 0.322 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,2,3-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| 1,3,5-Trimethylbenzene | U | | 0.104 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Vinyl chloride | U | C3 J4 | 0.234 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| Xylenes, Total | U | | 0.174 | 3.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| o-Xylene | U | | 0.174 | 1.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| m&p-Xylene | U | | 0.430 | 2.00 | 1 | 04/28/2024 11:36 | WG2276081 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *04/28/2024 11:36* | WG2276081 |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* | | *04/28/2024 11:36* | WG2276081 |
| *(S) 1,2-Dichloroethane-d4* | *85.4* | | | *70.0-130* | | *04/28/2024 11:36* | WG2276081 |

## Method Blank (MB)

(MB) R4062286-1 04/25/24 18:32

| 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) R4062286-2 04/25/24 18:35

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Lead | 1000 | 915 | 91.5 | 80.0-120 | |

## L1728820-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728820-03 04/25/24 18:37 • (MS) R4062286-4 04/25/24 18:43 • (MSD) R4062286-5 04/25/24 18:46

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 1000 | U | 893 | 902 | 89.3 | 90.2 | 1 | 75.0-125 | | | 1.02 | 20 |

## Method Blank (MB)

(MB) R4064128-1 04/29/24 22:37

| 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) R4064128-2 04/29/24 22:39

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Lead | 1000 | 979 | 97.9 | 80.0-120 | |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/29/24 22:41 • (MS) R4064128-4 04/29/24 22:44 • (MSD) R4064128-5 04/29/24 22:46

| Analyte | Spike Amount ug/l | Original Result ug/l | MS Result ug/l | MSD Result ug/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 1000 | U | 983 | 990 | 98.3 | 99.0 | 1 | 75.0-125 | | | 0.743 | 20 |

## Method Blank (MB)

(MB) R4063891-1 04/30/24 12:13

| 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) R4063891-2 04/30/24 12:15

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Lead,Dissolved | 1000 | 940 | 94.0 | 80.0-120 | |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/30/24 12:16 • (MS) R4063891-4 04/30/24 12:20 • (MSD) R4063891-5 04/30/24 12:21

| 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 | 948 | 948 | 94.8 | 94.8 | 1 | 75.0-125 | | | 0.00395 | 20 |

## Method Blank (MB)

(MB) R4064235-2 04/30/24 02:04

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|---|---|---|---|---|
| | ug/l | | ug/l | ug/l |
| TPHGAK C6 to C10 | U | | 28.7 | 100 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *86.4* | | | *60.0-120* |

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

(LCS) R4064235-1 04/30/24 00:27 • (LCSD) R4064235-7 04/30/24 13:46

| 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 | % | % | % | | | % | % |
| TPHGAK C6 to C10 | 5000 | 4620 | 5330 | 92.4 | 107 | 60.0-120 | | | 14.3 | 20 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | *93.8* | *93.0* | *60.0-120* | | | | |

## L1728820-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728820-03 04/30/24 07:01 • (MS) R4064235-3 04/30/24 11:30 • (MSD) R4064235-4 04/30/24 11:58

| 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 | % | % | | % | | | % | % |
| TPHGAK C6 to C10 | 2500 | U | 2600 | 2570 | 104 | 103 | 1 | 70.0-130 | | | 1.16 | 20 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | | *88.5* | *90.3* | | *50.0-150* | | | | |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/30/24 08:22 • (MS) R4064235-5 04/30/24 12:25 • (MSD) R4064235-6 04/30/24 12:52

| 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 | % | % | | % | | | % | % |
| TPHGAK C6 to C10 | 2500 | U | 1960 | 1700 | 78.4 | 68.0 | 1 | 70.0-130 | | J6 | 14.2 | 20 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | | *88.7* | *90.6* | | *50.0-150* | | | | |

## Method Blank (MB)

(MB) R4064995-2 05/01/24 22:07

| Analyte | MB Result ug/l | MB Qualifier | MB MDL ug/l | MB RDL ug/l |
|---|---|---|---|---|
| TPHGAK C6 to C10 | U | | 28.7 | 100 |
| *(S) a,a,a-Trifluorotoluene(FID)* | *91.0* | | | *60.0-120* |

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

(LCS) R4064995-1 05/01/24 20:38 • (LCSD) R4064995-3 05/01/24 21:05

| 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 | 5920 | 103 | 118 | 60.0-120 | | | 13.7 | 20 |
| *(S) a,a,a-Trifluorotoluene(FID)* | | | | *97.2* | *98.4* | *60.0-120* | | | | |

## Method Blank (MB)

(MB) R4063164-2 04/26/24 11:45

| 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) R4063164-1 04/26/24 11:24

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|---|---|---|---|---|---|
| | ug/l | ug/l | % | % | |
| 1,2,3-Trichloropropane | 0.0500 | 0.0460 | 92.0 | 70.0-130 | |
| 1,2-Dibromoethane | 0.0500 | 0.0470 | 94.0 | 70.0-130 | |

## L1728820-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728820-03 04/26/24 15:55 • (MS) R4063164-3 04/26/24 21:31 • (MSD) R4063164-4 04/26/24 21:51

| 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 | 0.0430 | 0.0500 | 86.0 | 100 | 1 | 70.0-130 | | | 15.1 | 20 |
| 1,2-Dibromoethane | 0.0500 | U | 0.0420 | 0.0460 | 84.0 | 92.0 | 1 | 70.0-130 | | | 9.09 | 20 |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/26/24 18:43 • (MS) R4063164-5 04/26/24 22:12 • (MSD) R4063164-6 04/26/24 22:33

| 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 | 5.00 | U | 4.90 | 5.00 | 98.0 | 100 | 100 | 70.0-130 | | | 2.02 | 20 |
| 1,2-Dibromoethane | 5.00 | U | 4.00 | 4.30 | 80.0 | 86.0 | 100 | 70.0-130 | | | 7.23 | 20 |

Sample Narrative:

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

## Method Blank (MB)

(MB) R4064142-3 04/28/24 10:26

| 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) R4064142-3 04/28/24 10:26

| 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* | *114* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *86.1* | | | *70.0-130* |

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

(LCS) R4064142-1 04/28/24 09:25 • (LCSD) R4064142-2 04/28/24 09:45

| 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 | 21.9 | 21.6 | 87.6 | 86.4 | 19.0-160 | | | 1.38 | 27 |
| Acrolein | 25.0 | 20.1 | 16.7 | 80.4 | 66.8 | 10.0-160 | | | 18.5 | 26 |
| Acrylonitrile | 25.0 | 23.7 | 23.4 | 94.8 | 93.6 | 55.0-149 | | | 1.27 | 20 |
| Benzene | 5.00 | 4.78 | 4.77 | 95.6 | 95.4 | 70.0-123 | | | 0.209 | 20 |
| Bromobenzene | 5.00 | 3.91 | 3.95 | 78.2 | 79.0 | 73.0-121 | | | 1.02 | 20 |
| Bromochloromethane | 5.00 | 5.30 | 5.38 | 106 | 108 | 76.0-122 | | | 1.50 | 20 |
| Bromodichloromethane | 5.00 | 4.26 | 4.35 | 85.2 | 87.0 | 75.0-120 | | | 2.09 | 20 |
| Bromoform | 5.00 | 4.54 | 4.54 | 90.8 | 90.8 | 68.0-132 | | | 0.000 | 20 |
| Bromomethane | 5.00 | 2.81 | 2.96 | 56.2 | 59.2 | 10.0-160 | | | 5.20 | 25 |
| n-Butylbenzene | 5.00 | 4.26 | 4.39 | 85.2 | 87.8 | 73.0-125 | | | 3.01 | 20 |
| sec-Butylbenzene | 5.00 | 4.19 | 4.29 | 83.8 | 85.8 | 75.0-125 | | | 2.36 | 20 |
| tert-Butylbenzene | 5.00 | 4.31 | 4.50 | 86.2 | 90.0 | 76.0-124 | | | 4.31 | 20 |
| Carbon disulfide | 5.00 | 4.94 | 4.89 | 98.8 | 97.8 | 61.0-128 | | | 1.02 | 20 |
| Carbon tetrachloride | 5.00 | 4.63 | 4.56 | 92.6 | 91.2 | 68.0-126 | | | 1.52 | 20 |
| Chlorobenzene | 5.00 | 4.97 | 4.95 | 99.4 | 99.0 | 80.0-121 | | | 0.403 | 20 |
| Chlorodibromomethane | 5.00 | 4.55 | 4.48 | 91.0 | 89.6 | 77.0-125 | | | 1.55 | 20 |
| Chloroethane | 5.00 | 2.95 | 2.89 | 59.0 | 57.8 | 47.0-150 | | | 2.05 | 20 |
| Chloroform | 5.00 | 4.55 | 4.59 | 91.0 | 91.8 | 73.0-120 | | | 0.875 | 20 |
| Chloromethane | 5.00 | 5.55 | 5.58 | 111 | 112 | 41.0-142 | | | 0.539 | 20 |
| 2-Chlorotoluene | 5.00 | 4.17 | 4.28 | 83.4 | 85.6 | 76.0-123 | | | 2.60 | 20 |
| 4-Chlorotoluene | 5.00 | 4.07 | 4.19 | 81.4 | 83.8 | 75.0-122 | | | 2.91 | 20 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 4.26 | 4.18 | 85.2 | 83.6 | 58.0-134 | | | 1.90 | 20 |
| 1,2-Dibromoethane | 5.00 | 4.72 | 4.71 | 94.4 | 94.2 | 80.0-122 | | | 0.212 | 20 |
| Dibromomethane | 5.00 | 4.28 | 4.27 | 85.6 | 85.4 | 80.0-120 | | | 0.234 | 20 |
| 1,2-Dichlorobenzene | 5.00 | 4.25 | 4.41 | 85.0 | 88.2 | 79.0-121 | | | 3.70 | 20 |
| 1,3-Dichlorobenzene | 5.00 | 4.40 | 4.41 | 88.0 | 88.2 | 79.0-120 | | | 0.227 | 20 |
| 1,4-Dichlorobenzene | 5.00 | 4.25 | 4.47 | 85.0 | 89.4 | 79.0-120 | | | 5.05 | 20 |
| Dichlorodifluoromethane | 5.00 | 4.88 | 4.90 | 97.6 | 98.0 | 51.0-149 | | | 0.409 | 20 |
| 1,1-Dichloroethane | 5.00 | 4.64 | 4.61 | 92.8 | 92.2 | 70.0-126 | | | 0.649 | 20 |
| 1,2-Dichloroethane | 5.00 | 4.05 | 3.98 | 81.0 | 79.6 | 70.0-128 | | | 1.74 | 20 |
| 1,1-Dichloroethene | 5.00 | 5.12 | 5.06 | 102 | 101 | 71.0-124 | | | 1.18 | 20 |
| cis-1,2-Dichloroethene | 5.00 | 4.91 | 4.80 | 98.2 | 96.0 | 73.0-120 | | | 2.27 | 20 |
| trans-1,2-Dichloroethene | 5.00 | 4.94 | 5.02 | 98.8 | 100 | 73.0-120 | | | 1.61 | 20 |
| 1,2-Dichloropropane | 5.00 | 4.68 | 4.63 | 93.6 | 92.6 | 77.0-125 | | | 1.07 | 20 |
| 1,1-Dichloropropene | 5.00 | 4.68 | 4.61 | 93.6 | 92.2 | 74.0-126 | | | 1.51 | 20 |
| 1,3-Dichloropropane | 5.00 | 4.70 | 4.50 | 94.0 | 90.0 | 80.0-120 | | | 4.35 | 20 |
| cis-1,3-Dichloropropene | 5.00 | 4.54 | 4.46 | 90.8 | 89.2 | 80.0-123 | | | 1.78 | 20 |
| trans-1,3-Dichloropropene | 5.00 | 4.32 | 4.33 | 86.4 | 86.6 | 78.0-124 | | | 0.231 | 20 |
| 2,2-Dichloropropane | 5.00 | 4.80 | 4.69 | 96.0 | 93.8 | 58.0-130 | | | 2.32 | 20 |
| Di-isopropyl ether | 5.00 | 4.43 | 4.38 | 88.6 | 87.6 | 58.0-138 | | | 1.14 | 20 |

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

(LCS) R4064142-1 04/28/24 09:25 • (LCSD) R4064142-2 04/28/24 09:45

| 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 | 4.92 | 4.86 | 98.4 | 97.2 | 79.0-123 | | | 1.23 | 20 |
| Hexachloro-1,3-butadiene | 5.00 | 5.00 | 4.73 | 100 | 94.6 | 54.0-138 | | | 5.55 | 20 |
| Isopropylbenzene | 5.00 | 4.80 | 4.81 | 96.0 | 96.2 | 76.0-127 | | | 0.208 | 20 |
| p-Isopropyltoluene | 5.00 | 4.25 | 4.36 | 85.0 | 87.2 | 76.0-125 | | | 2.56 | 20 |
| 2-Butanone (MEK) | 25.0 | 22.2 | 21.6 | 88.8 | 86.4 | 44.0-160 | | | 2.74 | 20 |
| Methylene Chloride | 5.00 | 4.73 | 4.72 | 94.6 | 94.4 | 67.0-120 | | | 0.212 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 25.0 | 22.7 | 22.2 | 90.8 | 88.8 | 68.0-142 | | | 2.23 | 20 |
| Methyl tert-butyl ether | 5.00 | 4.52 | 4.45 | 90.4 | 89.0 | 68.0-125 | | | 1.56 | 20 |
| Naphthalene | 5.00 | 3.49 | 3.54 | 69.8 | 70.8 | 54.0-135 | | | 1.42 | 20 |
| n-Propylbenzene | 5.00 | 4.06 | 4.23 | 81.2 | 84.6 | 77.0-124 | | | 4.10 | 20 |
| Styrene | 5.00 | 4.89 | 4.83 | 97.8 | 96.6 | 73.0-130 | | | 1.23 | 20 |
| 1,1,1,2-Tetrachloroethane | 5.00 | 4.76 | 4.80 | 95.2 | 96.0 | 75.0-125 | | | 0.837 | 20 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.15 | 4.17 | 83.0 | 83.4 | 65.0-130 | | | 0.481 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 5.00 | 5.19 | 5.12 | 104 | 102 | 69.0-132 | | | 1.36 | 20 |
| Tetrachloroethene | 5.00 | 5.59 | 5.41 | 112 | 108 | 72.0-132 | | | 3.27 | 20 |
| Toluene | 5.00 | 4.97 | 4.86 | 99.4 | 97.2 | 79.0-120 | | | 2.24 | 20 |
| 1,2,3-Trichlorobenzene | 5.00 | 3.31 | 3.32 | 66.2 | 66.4 | 50.0-138 | | | 0.302 | 20 |
| 1,2,4-Trichlorobenzene | 5.00 | 4.16 | 4.14 | 83.2 | 82.8 | 57.0-137 | | | 0.482 | 20 |
| 1,1,1-Trichloroethane | 5.00 | 4.58 | 4.59 | 91.6 | 91.8 | 73.0-124 | | | 0.218 | 20 |
| 1,1,2-Trichloroethane | 5.00 | 4.85 | 4.83 | 97.0 | 96.6 | 80.0-120 | | | 0.413 | 20 |
| Trichloroethene | 5.00 | 5.17 | 5.07 | 103 | 101 | 78.0-124 | | | 1.95 | 20 |
| Trichlorofluoromethane | 5.00 | 4.16 | 4.56 | 83.2 | 91.2 | 59.0-147 | | | 9.17 | 20 |
| 1,2,3-Trichloropropane | 5.00 | 4.23 | 4.27 | 84.6 | 85.4 | 73.0-130 | | | 0.941 | 20 |
| 1,2,4-Trimethylbenzene | 5.00 | 4.17 | 4.36 | 83.4 | 87.2 | 76.0-121 | | | 4.45 | 20 |
| 1,2,3-Trimethylbenzene | 5.00 | 4.15 | 4.24 | 83.0 | 84.8 | 77.0-120 | | | 2.15 | 20 |
| 1,3,5-Trimethylbenzene | 5.00 | 4.18 | 4.30 | 83.6 | 86.0 | 76.0-122 | | | 2.83 | 20 |
| Vinyl chloride | 5.00 | 3.29 | 3.22 | 65.8 | 64.4 | 67.0-131 | J4 | J4 | 2.15 | 20 |
| Xylenes, Total | 15.0 | 14.7 | 14.8 | 98.0 | 98.7 | 79.0-123 | | | 0.678 | 20 |
| o-Xylene | 5.00 | 4.88 | 4.90 | 97.6 | 98.0 | 80.0-122 | | | 0.409 | 20 |
| m&p-Xylene | 10.0 | 9.82 | 9.91 | 98.2 | 99.1 | 80.0-122 | | | 0.912 | 20 |
| *(S) Toluene-d8* | | | | *115* | *114* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *103* | *104* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *88.8* | *86.7* | *70.0-130* | | | | |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/28/24 12:38 • (MS) R4064142-4 04/28/24 17:49 • (MSD) R4064142-5 04/28/24 18:10

| 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 | 11.5 | 30.8 | 31.5 | 77.2 | 80.0 | 1 | 10.0-160 | | | 2.25 | 35 |
| Acrolein | 25.0 | U | 17.0 | 18.8 | 68.0 | 75.2 | 1 | 10.0-160 | | | 10.1 | 39 |
| Acrylonitrile | 25.0 | U | 26.7 | 26.2 | 107 | 105 | 1 | 21.0-160 | | | 1.89 | 32 |
| Benzene | 5.00 | U | 5.54 | 5.50 | 111 | 110 | 1 | 17.0-158 | | | 0.725 | 27 |
| Bromobenzene | 5.00 | U | 4.75 | 4.75 | 95.0 | 95.0 | 1 | 30.0-149 | | | 0.000 | 28 |
| Bromochloromethane | 5.00 | U | 5.99 | 6.11 | 120 | 122 | 1 | 38.0-142 | | | 1.98 | 26 |
| Bromodichloromethane | 5.00 | U | 5.21 | 5.07 | 104 | 101 | 1 | 31.0-150 | | | 2.72 | 27 |
| Bromoform | 5.00 | U | 5.53 | 5.44 | 111 | 109 | 1 | 29.0-150 | | | 1.64 | 29 |
| Bromomethane | 5.00 | U | 2.94 | 3.38 | 58.8 | 67.6 | 1 | 10.0-160 | | | 13.9 | 38 |
| n-Butylbenzene | 5.00 | U | 5.46 | 5.25 | 109 | 105 | 1 | 31.0-150 | | | 3.92 | 30 |
| sec-Butylbenzene | 5.00 | U | 5.31 | 5.17 | 106 | 103 | 1 | 33.0-155 | | | 2.67 | 29 |
| tert-Butylbenzene | 5.00 | U | 5.50 | 5.36 | 110 | 107 | 1 | 34.0-153 | | | 2.58 | 28 |
| Carbon disulfide | 5.00 | U | 4.64 | 4.59 | 92.8 | 91.8 | 1 | 10.0-156 | | | 1.08 | 28 |
| Carbon tetrachloride | 5.00 | U | 5.80 | 5.68 | 116 | 114 | 1 | 23.0-159 | | | 2.09 | 28 |
| Chlorobenzene | 5.00 | U | 5.83 | 5.73 | 117 | 115 | 1 | 33.0-152 | | | 1.73 | 27 |
| Chlorodibromomethane | 5.00 | U | 5.50 | 5.45 | 110 | 109 | 1 | 37.0-149 | | | 0.913 | 27 |
| Chloroethane | 5.00 | U | 3.34 | 3.25 | 66.8 | 65.0 | 1 | 10.0-160 | | | 2.73 | 30 |
| Chloroform | 5.00 | U | 5.53 | 5.37 | 111 | 107 | 1 | 29.0-154 | | | 2.94 | 28 |
| Chloromethane | 5.00 | U | 5.68 | 5.99 | 114 | 120 | 1 | 10.0-160 | | | 5.31 | 29 |
| 2-Chlorotoluene | 5.00 | U | 5.09 | 5.08 | 102 | 102 | 1 | 32.0-153 | | | 0.197 | 28 |
| 4-Chlorotoluene | 5.00 | U | 4.99 | 4.90 | 99.8 | 98.0 | 1 | 32.0-150 | | | 1.82 | 28 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | U | 4.95 | 4.86 | 99.0 | 97.2 | 1 | 22.0-151 | | | 1.83 | 34 |
| 1,2-Dibromoethane | 5.00 | U | 5.36 | 5.32 | 107 | 106 | 1 | 34.0-147 | | | 0.749 | 27 |
| Dibromomethane | 5.00 | U | 5.06 | 4.85 | 101 | 97.0 | 1 | 30.0-151 | | | 4.24 | 27 |
| 1,2-Dichlorobenzene | 5.00 | U | 5.45 | 5.24 | 109 | 105 | 1 | 34.0-149 | | | 3.93 | 28 |
| 1,3-Dichlorobenzene | 5.00 | U | 5.37 | 5.24 | 107 | 105 | 1 | 36.0-146 | | | 2.45 | 27 |
| 1,4-Dichlorobenzene | 5.00 | U | 5.28 | 5.19 | 106 | 104 | 1 | 35.0-142 | | | 1.72 | 27 |
| Dichlorodifluoromethane | 5.00 | U | 5.67 | 5.56 | 113 | 111 | 1 | 10.0-160 | | | 1.96 | 29 |
| 1,1-Dichloroethane | 5.00 | U | 5.47 | 5.45 | 109 | 109 | 1 | 25.0-158 | | | 0.366 | 27 |
| 1,2-Dichloroethane | 5.00 | U | 4.62 | 4.59 | 92.4 | 91.8 | 1 | 29.0-151 | | | 0.651 | 27 |
| 1,1-Dichloroethene | 5.00 | U | 6.00 | 5.82 | 120 | 116 | 1 | 11.0-160 | | | 3.05 | 29 |
| cis-1,2-Dichloroethene | 5.00 | U | 5.63 | 5.59 | 113 | 112 | 1 | 10.0-160 | | | 0.713 | 27 |
| trans-1,2-Dichloroethene | 5.00 | U | 5.56 | 5.49 | 111 | 110 | 1 | 17.0-153 | | | 1.27 | 27 |
| 1,2-Dichloropropane | 5.00 | U | 5.53 | 5.51 | 111 | 110 | 1 | 30.0-156 | | | 0.362 | 27 |
| 1,1-Dichloropropene | 5.00 | U | 5.63 | 5.49 | 113 | 110 | 1 | 25.0-158 | | | 2.52 | 27 |
| 1,3-Dichloropropane | 5.00 | U | 5.37 | 5.31 | 107 | 106 | 1 | 38.0-147 | | | 1.12 | 27 |
| cis-1,3-Dichloropropene | 5.00 | U | 5.15 | 5.08 | 103 | 102 | 1 | 34.0-149 | | | 1.37 | 28 |
| trans-1,3-Dichloropropene | 5.00 | U | 5.09 | 4.93 | 102 | 98.6 | 1 | 32.0-149 | | | 3.19 | 28 |
| 2,2-Dichloropropane | 5.00 | U | 5.41 | 5.19 | 108 | 104 | 1 | 24.0-152 | | | 4.15 | 29 |
| Di-isopropyl ether | 5.00 | U | 5.27 | 5.19 | 105 | 104 | 1 | 21.0-160 | | | 1.53 | 28 |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/28/24 12:38 • (MS) R4064142-4 04/28/24 17:49 • (MSD) R4064142-5 04/28/24 18:10

| 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 | 5.83 | 5.76 | 117 | 115 | 1 | 30.0-155 | | | 1.21 | 27 |
| Hexachloro-1,3-butadiene | 5.00 | U | 6.01 | 5.54 | 120 | 111 | 1 | 20.0-154 | | | 8.14 | 34 |
| Isopropylbenzene | 5.00 | U | 5.87 | 5.76 | 117 | 115 | 1 | 28.0-157 | | | 1.89 | 27 |
| p-Isopropyltoluene | 5.00 | U | 5.39 | 5.19 | 108 | 104 | 1 | 30.0-154 | | | 3.78 | 29 |
| 2-Butanone (MEK) | 25.0 | U | 24.1 | 23.9 | 96.4 | 95.6 | 1 | 10.0-160 | | | 0.833 | 32 |
| Methylene Chloride | 5.00 | U | 5.39 | 5.34 | 108 | 107 | 1 | 23.0-144 | | | 0.932 | 28 |
| 4-Methyl-2-pentanone (MIBK) | 25.0 | U | 25.5 | 25.3 | 102 | 101 | 1 | 29.0-160 | | | 0.787 | 29 |
| Methyl tert-butyl ether | 5.00 | U | 5.23 | 5.20 | 105 | 104 | 1 | 28.0-150 | | | 0.575 | 29 |
| Naphthalene | 5.00 | U | 4.41 | 4.01 | 88.2 | 80.2 | 1 | 12.0-156 | | | 9.50 | 35 |
| n-Propylbenzene | 5.00 | U | 5.19 | 4.99 | 104 | 99.8 | 1 | 31.0-154 | | | 3.93 | 28 |
| Styrene | 5.00 | U | 5.77 | 5.70 | 115 | 114 | 1 | 33.0-155 | | | 1.22 | 28 |
| 1,1,1,2-Tetrachloroethane | 5.00 | U | 5.74 | 5.66 | 115 | 113 | 1 | 36.0-151 | | | 1.40 | 29 |
| 1,1,2,2-Tetrachloroethane | 5.00 | U | 4.76 | 4.75 | 95.2 | 95.0 | 1 | 33.0-150 | | | 0.210 | 28 |
| 1,1,2-Trichlorotrifluoroethane | 5.00 | U | 6.53 | 6.33 | 131 | 127 | 1 | 23.0-160 | | | 3.11 | 30 |
| Tetrachloroethene | 5.00 | U | 6.45 | 6.41 | 129 | 128 | 1 | 10.0-160 | | | 0.622 | 27 |
| Toluene | 5.00 | 0.659 | 6.23 | 6.17 | 111 | 110 | 1 | 26.0-154 | | | 0.968 | 28 |
| 1,2,3-Trichlorobenzene | 5.00 | U | 4.45 | 3.90 | 89.0 | 78.0 | 1 | 17.0-150 | | | 13.2 | 36 |
| 1,2,4-Trichlorobenzene | 5.00 | U | 5.34 | 4.88 | 107 | 97.6 | 1 | 24.0-150 | | | 9.00 | 33 |
| 1,1,1-Trichloroethane | 5.00 | U | 5.57 | 5.58 | 111 | 112 | 1 | 23.0-160 | | | 0.179 | 28 |
| 1,1,2-Trichloroethane | 5.00 | U | 5.57 | 5.59 | 111 | 112 | 1 | 35.0-147 | | | 0.358 | 27 |
| Trichloroethene | 5.00 | U | 6.05 | 5.86 | 121 | 117 | 1 | 10.0-160 | | | 3.19 | 25 |
| Trichlorofluoromethane | 5.00 | U | 5.36 | 5.54 | 107 | 111 | 1 | 17.0-160 | | | 3.30 | 31 |
| 1,2,3-Trichloropropane | 5.00 | U | 4.92 | 4.88 | 98.4 | 97.6 | 1 | 34.0-151 | | | 0.816 | 29 |
| 1,2,4-Trimethylbenzene | 5.00 | U | 5.35 | 4.94 | 107 | 98.8 | 1 | 26.0-154 | | | 7.97 | 27 |
| 1,2,3-Trimethylbenzene | 5.00 | U | 5.13 | 4.94 | 103 | 98.8 | 1 | 32.0-149 | | | 3.77 | 28 |
| 1,3,5-Trimethylbenzene | 5.00 | U | 5.21 | 5.01 | 104 | 100 | 1 | 28.0-153 | | | 3.91 | 27 |
| Vinyl chloride | 5.00 | U | 3.63 | 3.57 | 72.6 | 71.4 | 1 | 10.0-160 | | | 1.67 | 27 |
| Xylenes, Total | 15.0 | U | 17.6 | 17.0 | 117 | 113 | 1 | 29.0-154 | | | 3.47 | 28 |
| o-Xylene | 5.00 | U | 5.84 | 5.61 | 117 | 112 | 1 | 45.0-144 | | | 4.02 | 26 |
| m&p-Xylene | 10.0 | U | 11.8 | 11.4 | 118 | 114 | 1 | 43.0-146 | | | 3.45 | 26 |
| *(S) Toluene-d8* | | | | | *114* | *113* | | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | | *102* | *102* | | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | | *87.6* | *87.0* | | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R4063689-2 04/29/24 10:18

| 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) R4063689-1 04/29/24 09:57

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 0.0500 | 0.0510 | 102 | 70.0-130 | |
| 1,2-Dibromoethane | 0.0500 | 0.0480 | 96.0 | 70.0-130 | |

## Method Blank (MB)

(MB) R4065435-1 05/03/24 01:13

| 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* | *63.9* | | | *60.0-120* |

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

(LCS) R4065435-2 05/03/24 01:34 • (LCSD) R4065435-3 05/03/24 02:02

| 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 | 4910 | 5720 | 81.8 | 95.3 | 75.0-125 | | | 15.2 | 20 |
| *(S) o-Terphenyl* | | | | *66.5* | *77.8* | *60.0-120* | | | | |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 05/03/24 07:04 • (MS) R4065435-4 05/03/24 07:25 • (MSD) R4065435-5 05/03/24 07:45

| Analyte | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ug/l | ug/l | ug/l | ug/l | % | % | | % | | | % | % |
| AK102 DRO C10-C25 | 6000 | 180 | 5740 | 5260 | 92.7 | 84.7 | 1 | 75.0-125 | | | 8.73 | 20 |
| *(S) o-Terphenyl* | | | | | *71.0* | *70.7* | | *50.0-150* | | | | |

## Method Blank (MB)

(MB) R4062086-2 04/25/24 14:01

| 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* | *88.5* | | | *11.0-135* |
| *(S) 2-Fluorobiphenyl* | *82.0* | | | *32.0-120* |
| *(S) p-Terphenyl-d14* | *101* | | | *23.0-122* |

## Laboratory Control Sample (LCS)

(LCS) R4062086-1 04/25/24 13:43

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Anthracene | 2.00 | 1.47 | 73.5 | 43.0-127 | |
| Acenaphthene | 2.00 | 1.41 | 70.5 | 42.0-120 | |
| Acenaphthylene | 2.00 | 1.44 | 72.0 | 43.0-120 | |
| Benzo(a)anthracene | 2.00 | 1.67 | 83.5 | 46.0-120 | |
| Benzo(a)pyrene | 2.00 | 1.38 | 69.0 | 44.0-122 | |
| Benzo(b)fluoranthene | 2.00 | 1.60 | 80.0 | 43.0-122 | |
| Benzo(g,h,i)perylene | 2.00 | 1.36 | 68.0 | 25.0-137 | |
| Benzo(k)fluoranthene | 2.00 | 1.45 | 72.5 | 39.0-128 | |
| Chrysene | 2.00 | 1.74 | 87.0 | 42.0-129 | |
| Dibenz(a,h)anthracene | 2.00 | 1.27 | 63.5 | 25.0-139 | |
| Fluoranthene | 2.00 | 1.77 | 88.5 | 48.0-131 | |

## Laboratory Control Sample (LCS)

(LCS) R4062086-1 04/25/24 13:43

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Fluorene | 2.00 | 1.51 | 75.5 | 42.0-120 | |
| Indeno(1,2,3-cd)pyrene | 2.00 | 1.41 | 70.5 | 37.0-133 | |
| Naphthalene | 2.00 | 1.32 | 66.0 | 30.0-120 | |
| Phenanthrene | 2.00 | 1.56 | 78.0 | 42.0-120 | |
| Pyrene | 2.00 | 1.76 | 88.0 | 38.0-124 | |
| 1-Methylnaphthalene | 2.00 | 1.46 | 73.0 | 43.0-120 | |
| 2-Methylnaphthalene | 2.00 | 1.39 | 69.5 | 40.0-120 | |
| 2-Chloronaphthalene | 2.00 | 1.41 | 70.5 | 39.0-120 | |
| *(S) Nitrobenzene-d5* | | | *76.5* | *11.0-135* | |
| *(S) 2-Fluorobiphenyl* | | | *73.0* | *32.0-120* | |
| *(S) p-Terphenyl-d14* | | | *84.5* | *23.0-122* | |

## L1728107-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728107-01 04/25/24 14:35 • (MS) R4062086-3 04/25/24 14:53 • (MSD) R4062086-4 04/25/24 15:10

| 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 | 2.10 | U | 1.77 | 1.48 | 84.3 | 74.0 | 1.05 | 28.0-120 | | | 17.8 | 25 |
| Acenaphthene | 2.10 | 0.354 | 1.90 | 1.69 | 73.6 | 66.8 | 1.05 | 16.0-120 | | | 11.7 | 25 |
| Acenaphthylene | 2.10 | U | 1.77 | 1.58 | 84.3 | 79.0 | 1.05 | 16.0-121 | | | 11.3 | 26 |
| Benzo(a)anthracene | 2.10 | U | 1.74 | 1.36 | 82.9 | 68.0 | 1.05 | 19.0-125 | | | 24.5 | 26 |
| Benzo(a)pyrene | 2.10 | U | 1.25 | 0.954 | 59.5 | 47.7 | 1.05 | 10.0-126 | | | 26.9 | 32 |
| Benzo(b)fluoranthene | 2.10 | U | 1.30 | 0.999 | 61.9 | 50.0 | 1.05 | 10.0-125 | | | 26.2 | 36 |
| Benzo(g,h,i)perylene | 2.10 | U | 1.08 | 0.708 | 51.4 | 35.4 | 1.05 | 10.0-128 | | J3 | 41.6 | 37 |
| Benzo(k)fluoranthene | 2.10 | U | 1.28 | 0.936 | 61.0 | 46.8 | 1.05 | 10.0-124 | | | 31.0 | 32 |
| Chrysene | 2.10 | U | 1.79 | 1.37 | 85.2 | 68.5 | 1.05 | 18.0-127 | | J3 | 26.6 | 26 |
| Dibenz(a,h)anthracene | 2.10 | U | 0.936 | 0.539 | 44.6 | 26.9 | 1.05 | 10.0-132 | | J3 | 53.8 | 43 |
| Fluoranthene | 2.10 | U | 1.97 | 1.57 | 93.8 | 78.5 | 1.05 | 37.0-122 | | | 22.6 | 23 |
| Fluorene | 2.10 | 0.405 | 1.99 | 1.75 | 75.5 | 67.2 | 1.05 | 20.0-120 | | | 12.8 | 26 |
| Indeno(1,2,3-cd)pyrene | 2.10 | U | 1.01 | 0.699 | 48.1 | 35.0 | 1.05 | 10.0-130 | | | 36.4 | 38 |
| Naphthalene | 2.10 | 11.4 | 13.5 | 12.2 | 100 | 40.0 | 1.05 | 14.0-120 | | | 10.1 | 20 |
| Phenanthrene | 2.10 | 0.0243 | 1.82 | 1.54 | 85.5 | 75.8 | 1.05 | 26.0-120 | | | 16.7 | 24 |
| Pyrene | 2.10 | U | 1.96 | 1.55 | 93.3 | 77.5 | 1.05 | 29.0-120 | | | 23.4 | 24 |
| 1-Methylnaphthalene | 2.10 | 23.2 | 25.0 | 23.2 | 85.7 | 0.000 | 1.05 | 10.0-145 | | V | 7.47 | 24 |
| 2-Methylnaphthalene | 2.10 | 3.45 | 5.03 | 4.31 | 75.2 | 43.0 | 1.05 | 10.0-143 | | | 15.4 | 24 |
| 2-Chloronaphthalene | 2.10 | U | 1.56 | 1.36 | 74.3 | 68.0 | 1.05 | 16.0-120 | | | 13.7 | 25 |
| *(S) Nitrobenzene-d5* | | | | | *91.9* | *81.0* | | *11.0-135* | | | | |
| *(S) 2-Fluorobiphenyl* | | | | | *72.4* | *66.0* | | *32.0-120* | | | | |
| *(S) p-Terphenyl-d14* | | | | | *77.6* | *64.0* | | *23.0-122* | | | | |

## Method Blank (MB)

(MB) R4063904-2 04/29/24 21:26

| 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 | 0.0150 | J | 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 | 0.0201 | J | 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* | *77.0* | | | *11.0-135* |
| *(S) 2-Fluorobiphenyl* | *97.5* | | | *32.0-120* |
| *(S) p-Terphenyl-d14* | *108* | | | *23.0-122* |

## Laboratory Control Sample (LCS)

(LCS) R4063904-1 04/29/24 21:07

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Anthracene | 2.00 | 1.59 | 79.5 | 43.0-127 | |
| Acenaphthene | 2.00 | 1.59 | 79.5 | 42.0-120 | |
| Acenaphthylene | 2.00 | 1.56 | 78.0 | 43.0-120 | |
| Benzo(a)anthracene | 2.00 | 1.62 | 81.0 | 46.0-120 | |
| Benzo(a)pyrene | 2.00 | 1.52 | 76.0 | 44.0-122 | |
| Benzo(b)fluoranthene | 2.00 | 1.82 | 91.0 | 43.0-122 | |
| Benzo(g,h,i)perylene | 2.00 | 1.69 | 84.5 | 25.0-137 | |
| Benzo(k)fluoranthene | 2.00 | 1.79 | 89.5 | 39.0-128 | |
| Chrysene | 2.00 | 1.96 | 98.0 | 42.0-129 | |
| Dibenz(a,h)anthracene | 2.00 | 1.88 | 94.0 | 25.0-139 | |
| Fluoranthene | 2.00 | 1.71 | 85.5 | 48.0-131 | |

## Laboratory Control Sample (LCS)

(LCS) R4063904-1 04/29/24 21:07

| Analyte | Spike Amount ug/l | LCS Result ug/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Fluorene | 2.00 | 1.77 | 88.5 | 42.0-120 | |
| Indeno(1,2,3-cd)pyrene | 2.00 | 1.59 | 79.5 | 37.0-133 | |
| Naphthalene | 2.00 | 1.53 | 76.5 | 30.0-120 | |
| Phenanthrene | 2.00 | 1.71 | 85.5 | 42.0-120 | |
| Pyrene | 2.00 | 1.61 | 80.5 | 38.0-124 | |
| 1-Methylnaphthalene | 2.00 | 1.60 | 80.0 | 43.0-120 | |
| 2-Methylnaphthalene | 2.00 | 1.51 | 75.5 | 40.0-120 | |
| 2-Chloronaphthalene | 2.00 | 1.66 | 83.0 | 39.0-120 | |
| *(S) Nitrobenzene-d5* | | | *71.5* | *11.0-135* | |
| *(S) 2-Fluorobiphenyl* | | | *88.0* | *32.0-120* | |
| *(S) p-Terphenyl-d14* | | | *101* | *23.0-122* | |

## L1728850-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1728850-01 04/30/24 00:51 • (MS) R4063893-1 04/30/24 01:09 • (MSD) R4063893-2 04/30/24 01:27

| 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 | 2.10 | U | 1.64 | 1.77 | 78.1 | 75.3 | 1.05 | 28.0-120 | | | 7.62 | 25 |
| Acenaphthene | 2.10 | 0.0264 | 1.57 | 1.76 | 73.5 | 73.8 | 1.05 | 16.0-120 | | | 11.4 | 25 |
| Acenaphthylene | 2.10 | 0.0189 | 1.58 | 1.72 | 74.3 | 73.2 | 1.05 | 16.0-121 | | | 8.48 | 26 |
| Benzo(a)anthracene | 2.10 | 0.0300 | 1.55 | 1.83 | 72.4 | 76.6 | 1.05 | 19.0-125 | | | 16.6 | 26 |
| Benzo(a)pyrene | 2.10 | U | 1.33 | 1.74 | 63.3 | 74.0 | 1.05 | 10.0-126 | | | 26.7 | 32 |
| Benzo(b)fluoranthene | 2.10 | U | 1.43 | 2.01 | 68.1 | 85.5 | 1.05 | 10.0-125 | | | 33.7 | 36 |
| Benzo(g,h,i)perylene | 2.10 | U | 0.951 | 1.55 | 45.3 | 66.0 | 1.05 | 10.0-128 | | J3 | 47.9 | 37 |
| Benzo(k)fluoranthene | 2.10 | U | 1.47 | 1.93 | 70.0 | 82.1 | 1.05 | 10.0-124 | | | 27.1 | 32 |
| Chrysene | 2.10 | 0.0350 | 1.83 | 2.21 | 85.5 | 92.6 | 1.05 | 18.0-127 | | | 18.8 | 26 |
| Dibenz(a,h)anthracene | 2.10 | U | 0.866 | 1.46 | 41.2 | 62.1 | 1.05 | 10.0-132 | | J3 | 51.1 | 43 |
| Fluoranthene | 2.10 | 0.138 | 2.07 | 2.35 | 92.0 | 94.1 | 1.05 | 37.0-122 | | | 12.7 | 23 |
| Fluorene | 2.10 | 0.0224 | 1.77 | 1.94 | 83.2 | 81.6 | 1.05 | 20.0-120 | | | 9.16 | 26 |
| Indeno(1,2,3-cd)pyrene | 2.10 | U | 0.843 | 1.39 | 40.1 | 59.1 | 1.05 | 10.0-130 | | J3 | 49.0 | 38 |
| Naphthalene | 2.10 | U | 1.58 | 1.70 | 75.2 | 72.3 | 1.05 | 14.0-120 | | | 7.32 | 20 |
| Phenanthrene | 2.10 | 0.0746 | 1.79 | 1.96 | 81.7 | 80.2 | 1.05 | 26.0-120 | | | 9.07 | 24 |
| Pyrene | 2.10 | 0.0782 | 1.75 | 2.00 | 79.6 | 81.8 | 1.05 | 29.0-120 | | | 13.3 | 24 |
| 1-Methylnaphthalene | 2.10 | 0.0676 | 1.81 | 1.96 | 83.0 | 80.5 | 1.05 | 10.0-145 | | | 7.96 | 24 |
| 2-Methylnaphthalene | 2.10 | 0.0660 | 1.76 | 1.93 | 80.7 | 79.3 | 1.05 | 10.0-143 | | | 9.21 | 24 |
| 2-Chloronaphthalene | 2.10 | 0.0624 | 1.74 | 1.92 | 79.9 | 79.0 | 1.05 | 16.0-120 | | | 9.84 | 25 |
| *(S) Nitrobenzene-d5* | | | | | *79.5* | *80.4* | | *11.0-135* | | | | |
| *(S) 2-Fluorobiphenyl* | | | | | *116* | *114* | | *32.0-120* | | | | |
| *(S) p-Terphenyl-d14* | | | | | *112* | *122* | | *23.0-122* | | | | |

## L1729977-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1729977-08 04/30/24 00:03 • (MS) R4063904-3 04/30/24 00:22 • (MSD) R4063904-4 04/30/24 00:42

| 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 | 2.00 | U | 1.60 | 1.55 | 80.0 | 77.5 | 1 | 28.0-120 | | | 3.17 | 25 |
| Acenaphthene | 2.00 | U | 1.61 | 1.57 | 80.5 | 78.5 | 1 | 16.0-120 | | | 2.52 | 25 |
| Acenaphthylene | 2.00 | U | 1.58 | 1.53 | 79.0 | 76.5 | 1 | 16.0-121 | | | 3.22 | 26 |
| Benzo(a)anthracene | 2.00 | U | 1.56 | 1.49 | 78.0 | 74.5 | 1 | 19.0-125 | | | 4.59 | 26 |
| Benzo(a)pyrene | 2.00 | U | 1.43 | 1.37 | 71.5 | 68.5 | 1 | 10.0-126 | | | 4.29 | 32 |
| Benzo(b)fluoranthene | 2.00 | U | 1.71 | 1.64 | 85.5 | 82.0 | 1 | 10.0-125 | | | 4.18 | 36 |
| Benzo(g,h,i)perylene | 2.00 | U | 1.13 | 1.26 | 56.5 | 63.0 | 1 | 10.0-128 | | | 10.9 | 37 |
| Benzo(k)fluoranthene | 2.00 | U | 1.69 | 1.61 | 84.5 | 80.5 | 1 | 10.0-124 | | | 4.85 | 32 |
| Chrysene | 2.00 | U | 1.94 | 1.83 | 97.0 | 91.5 | 1 | 18.0-127 | | | 5.84 | 26 |
| Dibenz(a,h)anthracene | 2.00 | U | 1.19 | 1.33 | 59.5 | 66.5 | 1 | 10.0-132 | | | 11.1 | 43 |
| Fluoranthene | 2.00 | 0.0123 | 1.81 | 1.75 | 89.9 | 86.9 | 1 | 37.0-122 | | | 3.37 | 23 |
| Fluorene | 2.00 | U | 1.81 | 1.75 | 90.5 | 87.5 | 1 | 20.0-120 | | | 3.37 | 26 |
| Indeno(1,2,3-cd)pyrene | 2.00 | U | 1.11 | 1.22 | 55.5 | 61.0 | 1 | 10.0-130 | | | 9.44 | 38 |
| Naphthalene | 2.00 | U | 1.54 | 1.48 | 77.0 | 74.0 | 1 | 14.0-120 | | | 3.97 | 20 |
| Phenanthrene | 2.00 | U | 1.80 | 1.76 | 90.0 | 88.0 | 1 | 26.0-120 | | | 2.25 | 24 |
| Pyrene | 2.00 | U | 1.69 | 1.66 | 84.5 | 83.0 | 1 | 29.0-120 | | | 1.79 | 24 |
| 1-Methylnaphthalene | 2.00 | U | 1.64 | 1.58 | 82.0 | 79.0 | 1 | 10.0-145 | | | 3.73 | 24 |
| 2-Methylnaphthalene | 2.00 | U | 1.52 | 1.48 | 76.0 | 74.0 | 1 | 10.0-143 | | | 2.67 | 24 |
| 2-Chloronaphthalene | 2.00 | U | 1.67 | 1.64 | 83.5 | 82.0 | 1 | 16.0-120 | | | 1.81 | 25 |
| *(S) Nitrobenzene-d5* | | | | | *83.5* | *82.5* | | *11.0-135* | | | | |
| *(S) 2-Fluorobiphenyl* | | | | | *108* | *103* | | *32.0-120* | | | | |
| *(S) p-Terphenyl-d14* | | | | | *114* | *109* | | *23.0-122* | | | | |

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| C3 | The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
| 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. |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

## 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**

Email To: Gerald.Robinson@arcadis.com;Jesse.Wood@arc

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. Wujcik

Site/Facility ID # 4351 W. ITNL AIRPORT RD

P.O. #

Collected by (signature): EW

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

| 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-20240423 | Grab | GW | - | 4.23.24 | 0915 | 45 | X | X | X | X | X | X | X | MS/MSD | Cooler 2 -01 |
| MW-5A-W-20240423 | | GW | - | | 0745 | 15 | X | X | X | X | X | X | X | Cooler 3 | -02 |
| MW-7-W-20240423 | | GW | - | | 1000 | 15 | X | X | X | X | X | X | X | Cooler 1 | -03 |
| MW-7A-W-20240423 | | GW | - | | 1045 | 15 | X | X | X | X | X | X | X | Cooler 1 | -04 |
| MW-9-W-20240423 | | GW | - | | 0700 | 15 | X | X | X | X | X | X | X | Cooler 3 | -05 |
| MW-14 | | GW | - | | | | | | | | | | | | |
| RW-14-W-20240423 | | GW | - | | 0830 | 15 | X | X | X | X | X | X | X | Cooler 2 | -06 |
| BD-1-W-20240423 | | GW | - | | - | 15 | X | X | X | X | X | X | X | Cooler 1 | -07 |
| EQB-1-W-20240423 | | GW | - | | 1100 | 15 | X | X | X | X | X | X | X | Cooler 1 | -08 |
| Trip Blank 1 | | GW | | | | 4 | X | | X | | | | X | Cooler 1 | -09 |

Chain of Custody Page 1 of 2

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 # L1728850

Tab A239

Acctnum: CHEVARCAK
Template: T234814
Prelogin: P1066883
PM: 110 - Brian Ford
PB: MV 4-11-24
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 |
|---|---|---|---|---|
| EW | 4.23.24 | 1300 | | 12 |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 150 |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 04.24.24 Time: 0900 |

If ... PH-10BDH6021 TRC-23521F CR6-20221V ...te/Time

Hold:

Condition: NCF / OK

Company Name/Address:
**Arcadis - Chevron - AK**

880 H St.
Anchorage, AK 99501

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

Pres Chk

Report to: **Skip Robinson**

Email To: Gerald.Robinson@arcadis.com;Jesse.Wood@arc

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

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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trip Blank 2 | - | GW | - | - | - | 4 | X | | X | | | | X | Cooler 2 | -11 |
| Trip Blank 3 | - | - | - | - | - | 4 | X | | X | | | | X | Cooler 3 | -12 |

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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 # L1758850

Table #

Acctnum: CHEVARCAK

Template: T234814

Prelogin: P1066883

PM: 110 - Brian Ford

PB: MV 4-11-24

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 Wojcik | 4.23.24 | 1300 | | 12 | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: 150 | |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) CRobert | Date: 04-24-24 Time: 0900 | Hold: Condition: NCF / OK |

LT728850

| Tracking Numbers | Temperature |
|---|---|
| 7359 4597 0196 | 0.8+0.1=0.9 DPA7 |
| 73594597 0211 | 0.5+0.1=0.6 DPA7 |
| 77594597 0200 | 5.5+0.1=5.6 DPA7 |
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| | |
| | |

Name

Date

# Attachment C

**Historical Groundwater Monitoring Results – Third Quarter 2001 through 2022**

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 3/4/2001 | -- | 76.74 | 44.42 | -- | 32.32 | **4,660 / 4,900** | -- | -- | **104 / 100** | **394 / 376** | **360 / 338** | **1,540 / 1,430** | -- | -- | |
| **MW-5** | 4/21/2001 | -- | 76.74 | 44.50 | -- | 32.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 5/30/2001 | -- | 76.74 | 44.79 | -- | 31.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 6/27/2001 | -- | 76.74 | 45.75 | -- | 30.99 | **5,220** | -- | -- | **112** | **371** | **355** | **1,450** | -- | -- | |
| **MW-5** | 9/26/2001 | -- | 76.74 | 45.07 | -- | 31.67 | **2,420** | -- | -- | **89.5** | **20** | **174** | **520** | -- | -- | |
| **MW-5** | 12/9/2001 | -- | 76.74 | 44.96 | -- | 31.78 | **2,980** | -- | -- | **65.4** | **209** | **280** | **1,170** | -- | -- | |
| **MW-5** | 3/18/2002 | -- | 76.74 | 45.46 | -- | 31.28 | **5,040** | -- | -- | **74.3** | **243** | **402** | **1,560** | -- | -- | |
| **MW-5** | 6/24/2002 | -- | 76.74 | 45.49 | -- | 31.25 | **4,240** | -- | -- | **87.3** | **226** | **361** | **1,500** | -- | -- | |
| **MW-5** | 3/27/2003 | -- | 76.74 | -- | -- | -- | **5,200** | -- | -- | **63** | **300** | **143** | **1,200** | -- | -- | |
| **MW-5** | 6/10/2003 | -- | 76.74 | -- | -- | -- | **4,000** | -- | -- | **75** | **353** | **195** | **1,420** | -- | -- | |
| **MW-5** | 9/6/2003 | -- | 76.74 | -- | -- | -- | **5,600** | -- | -- | **97** | **419** | **171** | **1,520** | -- | -- | |
| **MW-5** | 11/29/2003 | -- | 76.74 | 46.40 | -- | 30.34 | **870** | -- | -- | **65** | **48** | **30** | **150** | -- | -- | |
| **MW-5** | 3/22/2004 | -- | 76.74 | 46.40 | -- | 30.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 6/29/2004 | -- | 76.74 | 45.86 | -- | 30.88 | -- | -- | -- | **8.0** | **4.4** | **34** | **110** | -- | -- | |
| **MW-5** | 12/28/2004 | -- | 76.74 | 45.21 | -- | 31.53 | **1,100** | -- | -- | **30** | **16** | **77** | **206** | -- | -- | |
| **MW-5** | 6/30/2005 | -- | 76.74 | 46.05 | -- | 30.69 | **790** | -- | -- | **42** | **6.3** | **82** | **139** | -- | -- | |
| **MW-5** | 12/27/2005 | -- | 76.74 | 45.79 | -- | 30.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 6/30/2006 | -- | 76.74 | 46.36 | -- | 30.38 | **1,240** | -- | -- | **44.2** | **9.34** | **147** | **215** | -- | -- | |
| **MW-5** | 4/30/2007 | -- | 76.74 | 43.92 | -- | 32.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 8/31/2007 | -- | 76.74 | 46.03 | -- | 30.71 | **3,900**[1] | -- | -- | **200** | **100** | **200** | **700** | <50[1,2] | -- | |
| **MW-5** | 8/20/2008 | -- | 83.03 | 45.40 | -- | 37.63 | **2,200** | **140** | -- | **200** | **400** | **90** | **200** | -- | -- | |
| **MW-5** | 12/9/2008 | -- | 83.03 | 44.19 | -- | 38.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 3/18/2009 | -- | 83.03 | 44.46 | -- | 38.57 | **2,400/2,400** | **320/830** | -- | **250/250** | **260/260** | **110/110** | **260/260** | <10/<10 | -- | |
| **MW-5** | 6/4/2009 | -- | 83.03 | 44.83 | -- | 38.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 9/2/2009 | -- | 83.03 | 45.85 | -- | 37.18 | **3,900/3,700** | -- | -- | **350/330** | **840/790** | **120/110** | **400/370** | -- | -- | |
| **MW-5** | 12/8/2009 | -- | 83.03 | 45.55 | -- | 37.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 5/17/2010 | -- | 83.03 | 43.60 | -- | 39.43 | **3,600/3,300** | **78/63** | -- | **340/340** | **580/670** | **99/90** | **270/240** | -- | -- | |
| **MW-5** | 8/24/2010 | -- | 83.03 | 45.80 | -- | 37.23 | **3,300** | **180** | -- | **290** | **390** | **110** | **340** | -- | -- | |
| **MW-5** | 4/26/2011 | -- | 83.03 | 45.44 | -- | 37.59 | **2,500** | **150** | -- | **250** | **170** | **150** | **360** | -- | -- | |
| **MW-5** | 9/20/2011 | -- | 83.03 | 45.29 | -- | 37.74 | **3,200** | -- | -- | **330** | **630** | **110** | **310** | -- | -- | |
| **MW-5** | 9/20/2011 | -- | 83.03 | 45.29 | -- | 37.74 | **3,100** | -- | -- | **320** | **620** | **100** | **290** | -- | -- | Duplicate |
| **MW-5** | 5/18/2012 | -- | 83.03 | 45.27 | -- | 37.76 | **4,400** | **190** | <49 | **280** | **760** | **150** | **440** | -- | -- | |
| **MW-5** | 5/18/2012 | -- | 83.03 | 45.27 | -- | 37.76 | **4,400** | -- | -- | **280** | **740** | **150** | **430** | -- | -- | Duplicate |
| **MW-5** | 9/17/2012 | -- | 83.03 | 45.30 | -- | 37.73 | **2,500** | **330** | **95** | **210** | **370** | **140** | **230** | -- | -- | |
| **MW-5** | 4/29/2013 | -- | 83.03 | 44.64 | -- | 38.39 | <100 | **1,000** | <620 | <1.0 | **<1.0** | **1.4** | <3.0 | -- | -- | |
| **MW-5** | 9/17/2013 | -- | 83.03 | 44.59 | -- | 38.44 | **251** | **<410** | -- | **19.3** | **27.1** | **10.7** | **38.4** | -- | -- | |
| **MW-5** | 4/28/2014 | -- | 83.03 | 43.42 | -- | 39.61 | **7,070** | **<260** | -- | **247** | **1,450** | **193** | **703** | -- | -- | |
| **MW-5** | 9/4/2014 | -- | 83.03 | 45.15 | -- | 37.88 | **14,700** | **<400** | -- | **345** | **2,560** | **195** | **737** | -- | -- | |
| **MW-5** | 9/4/2014 | -- | 83.03 | 45.15 | -- | 37.88 | **15,500** | **<400** | -- | **347** | **2,400** | **226** | **682** | -- | -- | Duplicate |
| **MW-5** | 4/14/2015 | -- | 83.03 | 44.59 | -- | 38.44 | <100 | **1,100** | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-5** | 4/14/2015 | -- | 83.03 | 44.59 | -- | 38.44 | <100 | **1,000** | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | Duplicate |
| **MW-5** | 9/2/2015 | -- | 83.03 | 47.25 | -- | 35.78 | **2,560** | <400 | -- | **155** | **206** | **122** | **259** | -- | -- | |
| **MW-5** | 4/12/2016 | -- | 83.03 | 45.65 | -- | 37.38 | **180** | **600** | -- | **1.0** | **13** | **13** | **34** | -- | -- | |
| **MW-5** | 9/15/2016 | -- | 83.03 | 46.36 | -- | 36.67 | **2,600** | **240** | -- | **130** | **290** | **130** | **330** | -- | -- | |
| **MW-5** | 5/10/2017 | -- | 83.03 | 46.20 | -- | 36.83 | **130** | **900** | -- | <0.5 | **<0.5** | **0.6** | **0.9** | -- | -- | |
| **MW-5** | 9/11/2017 | -- | 83.03 | 46.71 | -- | 36.32 | **1,000** | **130** | -- | **35** | **4.0** | **150** | **29** | -- | -- | |
| **MW-5** | 4/6/2018 | -- | 83.03 | 45.43 | -- | 37.60 | **1,300 J** | **<150** | -- | **15** | **11 J** | **110 J** | **110 J** | -- | -- | |
| **MW-5** | 4/6/2018 | -- | 83.03 | 45.43 | -- | 37.60 | **900 J** | **130 J** | -- | **12** | **8 J** | **69 J** | **64 J** | -- | -- | Duplicate |
| **MW-5** | 10/24/2018 | -- | 83.03 | 46.07 | -- | 36.96 | **210 J** | **660** | -- | **2 J** | **2 J** | **13 J** | **14 J** | -- | -- | |
| **MW-5** | 4/19/2019 | -- | 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** | 9/18/2019 | -- | 83.11 | 47.44 | -- | 35.67 | **2,900** | **390** | **--** | **51** | **30** | **340 D** | **609 D** | **--** | -- | |
| **MW-5** | 4/9/2020 | -- | 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** | 10/7/2020 | -- | 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** | 9/7/2021 | -- | 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]** | **).00519 [0.00651]** | |
| **MW-5** | 4/12/2022 | -- | 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 [<50.0 ]** | |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 3/4/2001 | -- | 76.26 | 30.51 | -- | 45.75 | **1,180** | -- | -- | **4.87** | **17.6** | **44.4** | **354** | -- | -- | |
| **MW-5A** | 4/21/2001 | -- | 76.26 | 30.90 | -- | 45.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 5/30/2001 | -- | 76.26 | 31.46 | -- | 44.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 6/27/2001 | -- | 76.26 | 31.95 | -- | 48.70 | **410** | -- | -- | **1.95** | **3.04** | **9.88** | **88.1** | -- | -- | |
| **MW-5A** | 9/26/2001 | -- | 76.26 | 33.19 | -- | 43.07 | **830** | -- | -- | **2.6** | **16.3** | **38.9** | **215** | -- | -- | |
| **MW-5A** | 12/9/2001 | -- | 76.26 | 33.80 | -- | 42.46 | -- | -- | -- | **2.9** | **31** | **28.3** | **216** | -- | -- | |
| **MW-5A** | 3/18/2002 | -- | 76.26 | | -- | 76.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 6/24/2002 | -- | 76.26 | 35.35 | -- | 40.91 | -- | -- | -- | **2.4** | **184** | **25.9** | **184** | -- | -- | |
| **MW-5A** | 6/10/2003 | -- | 76.26 | -- | -- | -- | -- | -- | -- | **51** | **70** | **226** | **1,020** | -- | -- | |
| **MW-5A** | 11/29/2003 | -- | 76.26 | 37.00 | -- | 39.26 | -- | -- | -- | **33** | **30** | **63** | **358** | -- | -- | |
| **MW-5A** | 3/22/2004 | -- | 76.26 | 36.80 | -- | 39.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 6/29/2004 | -- | 76.26 | 36.98 | -- | 39.28 | -- | -- | -- | <0.5 | <0.5 | <0.5 | **2.7** | -- | -- | |
| **MW-5A** | 12/28/2004 | -- | 76.26 | 34.03 | -- | 42.23 | -- | -- | -- | **0.92/1.0** | **21/21** | **17/17** | **118/119** | -- | -- | |
| **MW-5A** | 6/30/2005 | -- | 76.26 | 32.65 | -- | 43.61 | -- | -- | -- | <0.5 | <0.5 | 0.54 | 6.7 | -- | -- | |
| **MW-5A** | 12/27/2005 | -- | 76.26 | 32.70 | -- | 43.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 6/30/2006 | -- | 76.26 | 37.11 | -- | 39.15 | -- | -- | -- | <0.5 | **2.67** | **8.47** | **80.7** | -- | -- | |
| **MW-5A** | 4/30/2007 | -- | 76.26 | 35.94 | -- | 40.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 8/31/2007 | -- | 76.26 | 36.92 | -- | 39.34 | -- | -- | -- | **60** | **1,800** | **2,100** | **17,000** | <30[3] | -- | |
| **MW-5A** | 8/15/2008 | -- | 82.93 | 37.89 | 37.78 | 45.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-5A** | 12/9/2008 | -- | 82.93 | 37.50 | 37.44 | 75.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-5A** | 3/18/2009 | -- | 82.93 | 36.91 | 36.90 | 75.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-5A** | 6/4/2009 | -- | 82.93 | 37.40 | -- | 45.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 9/2/2009 | -- | 82.93 | 38.01 | -- | 44.92 | -- | -- | -- | **6.7** | **32** | **17** | **1,600** | -- | -- | |
| **MW-5A** | 12/8/2009 | -- | 82.93 | 38.31 | -- | 44.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 5/17/2010 | -- | 82.93 | 37.60 | -- | 45.33 | **670** | **3,600** | -- | **0.8** | **9** | **2** | **120** | -- | -- | |
| **MW-5A** | 5/20/2010 | -- | -- | -- | -- | -- | **230,000** | **120,000** | -- | <2,500 | <2,500 | <2,500 | <7,500 | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-5A** | 5/21/2010 | -- | -- | -- | -- | -- | **200,000** | **170,000** | -- | <500 | <500 | <500 | <1,500 | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-5A** | 5/27/2010 | -- | -- | -- | -- | -- | **49,000** | **40,000** | -- | <250 | <250 | <250 | **1,400** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-5A** | 6/3/2010 | -- | -- | -- | -- | -- | **48,000** | **32,000** | -- | <250 | <250 | <250 | **1,600** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-5A** | 6/25/2010 | -- | -- | -- | -- | -- | **21,000** | **37,000** | -- | <250 | <250 | <250 | **1,200** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-5A** | 7/1/2010 | -- | -- | -- | -- | -- | **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** | 7/29/2010 | -- | 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** | 8/25/2010 | -- | 82.93 | 38.79 | -- | 44.14 | **5,400** | **8,300** | -- | **41** | **200** | **60** | **1,400** | -- | -- | |
| **MW-5A** | 10/19/2010 | -- | 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. |
| **MW-5A** | 4/26/2011 | -- | 82.93 | 38.31 | -- | 44.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-5A** | 9/20/2011 | -- | 82.93 | 38.84 | -- | 44.09 | **5,200** | -- | -- | **110** | **820** | **28** | **1,400** | -- | -- | |
| **MW-5A** | 5/18/2012 | -- | 82.93 | 39.60 | -- | 43.33 | **990** | **8,100** | **860** | **31** | **82** | **5.7** | **190** | -- | -- | |
| **MW-5A** | 9/17/2012 | -- | 82.93 | 37.90 | -- | 45.03 | **2,500** | **6,700** | **1,200** | **56** | **290** | **48** | **600** | -- | -- | |
| **MW-5A** | 9/17/2012 | -- | 82.93 | 37.90 | -- | 45.03 | **2,600** | **3,800** | -- | **59** | **300** | **54** | **630** | -- | -- | Duplicate |
| **MW-5A** | 4/30/2013 | -- | 82.93 | 35.30 | -- | 47.63 | **604** | **1,700** | **490** | <1.0 | **30.1** | **15.1** | **212** | -- | -- | |
| **MW-5A** | 9/17/2013 | -- | 82.93 | 36.20 | -- | 46.73 | **802** | **1,100** | **410** | <1.0 | **15.5** | **19** | **257** | -- | -- | |
| **MW-5A** | 4/29/2014 | -- | 82.93 | 32.43 | -- | 50.50 | **689** | **430** | -- | <1.0 | **25.8** | **42.8** | **283** | -- | -- | |
| **MW-5A** | 9/4/2014 | -- | 82.93 | 33.29 | -- | 49.64 | **782** | **430** | -- | <1.0 | **26.6** | **29.3** | **176** | -- | -- | |
| **MW-5A** | 4/14/2015 | -- | 82.93 | 33.25 | -- | 49.68 | **674** | <400 | -- | <1.0 | **25.1** | **34.5** | **206** | -- | -- | |
| **MW-5A** | 9/3/2015 | -- | 82.93 | 35.11 | -- | 47.82 | **128** | <420 | -- | <1.0 | <1.0 | **1.5** | **23.6** | -- | -- | |
| **MW-5A** | 9/3/2015 | -- | 82.93 | 35.11 | -- | 47.82 | **145** | <430 | -- | <1.0 | **1.5** | **3.5** | **32.7** | -- | -- | Duplicate |
| **MW-5A** | 4/13/2016 | -- | 82.93 | 35.77 | -- | 47.16 | **240** | **450** | -- | <0.5 | **0.6** | **7** | **39** | -- | -- | |
| **MW-5A** | 9/16/2016 | -- | 82.93 | 37.50 | -- | 45.43 | **200** | **350** | -- | <0.5 | <0.5 | **4** | **24** | -- | -- | |
| **MW-5A** | 5/11/2017 | -- | 82.93 | 37.80 | -- | 45.13 | **7,000** | **1,600** | -- | **6.0** | **120** | **220** | **1,600** | -- | -- | |
| **MW-5A** | 9/11/2017 | -- | 82.93 | 38.71 | -- | 44.22 | **1,500** | **710** | -- | **2.0** | **38** | **39** | **390** | -- | -- | |
| **MW-5A** | 4/6/2018 | -- | 82.93 | 37.52 | -- | 45.41 | **3,000** | **940** | -- | **2.0** | **28** | **5.0** | **560** | -- | -- | |
| **MW-5A** | 10/24/2018 | -- | 82.93 | 38.50 | -- | 44.43 | **370** | **1,300** | -- | **0.4 J** | **1.0** | **1.0** | **120** | -- | -- | |
| **MW-5A** | 4/19/2019 | -- | 83.09 | 38.85 | -- | 44.24 | **150 J** | <340 BJ | -- | **1** | <1 B | <0.4 | **37 J** | -- | -- | |
| **MW-5A** | 9/18/2019 | -- | 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** | 4/9/2020 | -- | 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** | 10/7/2020 | -- | 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** | 04/14/2021 | -- | 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** | 9/7/2021 | -- | 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** | **0.02** | |
| **MW-5A** | 4/12/2022 | -- | 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** | |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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-6** | 3/4/2001 | -- | 76.05 | 49.78 | -- | 26.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 4/21/2001 | -- | 76.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 5/30/2001 | -- | 76.05 | 50.14 | -- | 25.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 6/27/2001 | -- | 76.05 | Dry | -- | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 9/26/2001 | -- | 76.05 | 50.98 | -- | 25.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 12/9/2001 | -- | 76.05 | 50.45 | -- | 25.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 3/18/2002 | -- | 76.05 | 50.57 | -- | 25.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 6/24/2002 | -- | 76.05 | 51.15 | -- | 24.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 11/29/2003 | -- | 76.05 | DRY | -- | DRY | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 3/22/2004 | -- | 76.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 6/29/2004 | -- | 76.05 | 51.04 | -- | 25.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-6** | 12/28/2004 | -- | | ABANDONED | | | | | | ABANDONED | | | | | -- | |
| **MW-7** | 3/4/2001 | -- | 77.97 | 51.29 | -- | 26.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 4/21/2001 | -- | 77.97 | 51.60 | -- | 26.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 5/30/2001 | -- | 77.97 | 51.72 | -- | 26.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 6/27/2001 | -- | 77.97 | 56.10 | -- | 24.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 7/19/2001 | -- | 77.97 | 55.20 | -- | 24.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 8/19/2001 | -- | 77.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 9/26/2001 | -- | 77.97 | 53.61 | -- | 26.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 10/23/2001 | -- | 77.97 | 53.09 | -- | 25.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 11/29/2001 | -- | 77.97 | 52.23 | -- | 25.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 12/9/2001 | -- | 77.97 | 52.00 | -- | 25.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 1/16/2002 | -- | 77.97 | 51.67 | -- | 26.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 2/26/2002 | -- | 77.97 | 52.43 | -- | 25.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 3/18/2002 | -- | 77.97 | 52.21 | -- | 25.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 4/30/2002 | -- | 77.97 | 52.22 | -- | 25.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 5/24/2002 | -- | 77.97 | 52.26 | -- | 25.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 6/24/2002 | -- | 77.97 | 52.50 | -- | 25.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 3/27/2003 | -- | 77.97 | 53.39 | **0.49** | 24.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 6/10/2003 | -- | 77.97 | 54.40 | **0.90** | 24.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 9/6/2003 | -- | 77.97 | 55.44 | **1.02** | 23.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 11/29/2003 | -- | 77.97 | 53.65 | **0.25** | 24.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 3/22/2004 | -- | 77.97 | 52.62 | **0.02** | 25.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 6/29/2004 | -- | 77.97 | 52.61 | **film** | 25.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 12/28/2004 | -- | 77.97 | 50.86 | **0.03** | 27.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 6/30/2005 | -- | 77.97 | 53.24 | **film** | 24.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 9/28/2005 | -- | 77.97 | 52.95 | **film** | 25.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 12/27/2005 | -- | 77.97 | 52.78 | -- | 25.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 3/31/2006 | -- | 77.97 | 53.08 | **film** | 24.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 6/30/2006 | -- | 77.97 | 53.27 | **film** | 24.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 4/30/2007 | -- | 77.97 | 51.58 | **film** | 26.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 8/31/2007 | -- | 77.97 | 52.42 | -- | 25.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 10/31/2007 | -- | 77.97 | 51.99 | -- | 25.98 | **220,000** | **40,000** | -- | **11,000** | **31,000** | **4,300** | **23,000** | <1,000 | -- | |
| **MW-7** | 1/23/2008 | -- | 77.97 | 51.56 | -- | 26.41 | **210,000** | **24,000** | -- | **10,000** | **30,000** | **4,200** | **30,000** | -- | -- | |
| **MW-7** | 6/27/2008 | -- | 77.97 | 52.31 | -- | 25.66 | **190,000** | **25,000** | -- | **11,000** | **32,000** | **3,900** | **21,000** | -- | -- | |
| **MW-7** | 8/15/2008 | -- | 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** | 12/9/2008 | -- | 84.58 | 51.59 | -- | 32.99 | **74,000** | **17,000** | -- | **5,600** | **17,000** | **2,100** | **11,000** | <500 | -- | |
| **MW-7** | 3/18/2009 | -- | 84.58 | 51.41 | -- | 33.17 | **120,000** | **20,000** | -- | **7,500** | **23,000** | **3,300** | **16,000** | **230** | -- | |
| **MW-7** | 6/5/2009 | -- | 84.58 | 51.64 | -- | 32.94 | **150,000** | **16,000** | -- | **8,500** | **27,000** | **3,600** | **19,000** | -- | -- | |
| **MW-7** | 9/2/2009 | -- | 84.58 | 53.27 | -- | 31.31 | **170,000** | **49,000** | -- | **9,600** | **35,000** | **4,500** | **25,000** | -- | -- | |
| **MW-7** | 12/8/2009 | -- | 84.58 | 52.51 | -- | 32.07 | **140,000** | **20,000** | -- | **6,300** | **24,000** | **3,600** | **18,000** | -- | -- | |
| **MW-7** | 5/17/2010 | -- | 84.58 | 51.95 | -- | 32.63 | **170,000** | **16,000** | -- | **7,500** | **31,000** | **4,300** | **24,000** | -- | -- | |
| **MW-7** | 5/20/2010 | -- | -- | -- | -- | -- | **1,200,000** | **270,000** | -- | **4,200** | **36,000** | **12,000** | **87,000** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7** | 5/21/2010 | -- | -- | -- | -- | -- | **690,000** | **170,000** | -- | **5,500** | **35,000** | **10,000** | **60,000** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7** | 5/27/2010 | -- | -- | -- | -- | -- | **120,000** | **38,000** | -- | **6,900** | **25,000** | **3,200** | **17,000** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7** | 6/3/2010 | -- | -- | -- | -- | -- | **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** | 6/25/2010 | -- | -- | -- | -- | -- | --/140 | **29,000/32,000** | -- | **--/9,000** | **--/30,000** | **--/3,000** | **--/17,000** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7** | 7/1/2010 | -- | -- | -- | -- | -- | **130,000** | **28,000** | -- | **8,300** | **27,000** | **3,000** | **16,000** | | -- | Sampling performed for post-surfactant injection monitoring. |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 7/29/2010 | -- | 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** | 8/25/2010 | -- | 84.58 | 53.00 | -- | 31.58 | **150,000** | **22,000** | -- | **8,300** | **32,000** | **3,500** | **18,000** | -- | -- | |
| **MW-7** | 10/19/2010 | -- | 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** | 4/26/2011 | -- | 84.58 | 52.06 | -- | 32.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 9/20/2011 | -- | 84.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to access |
| **MW-7** | 5/18/2012 | -- | 84.58 | 53.10 | -- | 31.48 | **160,000** | **25,000** | **5,100** | **7,600** | **31,000** | **3,900** | **21,000** | -- | -- | |
| **MW-7** | 9/17/2012 | -- | 84.58 | 53.45 | -- | 31.13 | **110,000** | **23,000** | **6,800** | **5,800** | **24,000** | **3,100** | **16,000** | -- | -- | |
| **MW-7** | 4/29/2013 | -- | 84.58 | 52.68 | -- | 31.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 9/17/2013 | -- | 84.58 | 53.93 | -- | 30.65 | **266,000** | **11,900** | **7,400** | -- | -- | -- | -- | | -- | |
| **MW-7** | 4/29/2014 | -- | 84.58 | 51.89 | -- | 32.69 | **134,000** | **13,200** | -- | **8,940** | **31,900** | **2,570** | **14,000** | | -- | |
| **MW-7** | 4/29/2014 | -- | 84.58 | 51.89 | -- | 32.69 | | | | | | | | | -- | Duplicate |
| **MW-7** | 9/3/2014 | -- | 84.58 | 55.35 | **0.01** | 29.24 | **127,000** | **16,500** | -- | **8,650** | **30,700** | **2,460** | **13,900** | -- | -- | |
| **MW-7** | 9/4/2014 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7** | 4/15/2015 | -- | 84.58 | 53.31 | -- | 31.27 | **213,000** | **19,500** | -- | **8,430** | **36,400** | **3,050** | **17,300** | -- | -- | Duplicate |
| **MW-7** | 4/15/2015 | -- | 84.58 | 53.31 | -- | 31.27 | **202,000** | **21,500** | -- | **8,830** | **36,900** | **3,440** | **20,900** | -- | -- | |
| **MW-7** | 9/2/2015 | -- | 84.58 | 53.40 | -- | 31.18 | **245,000** | **24,900** | -- | **6,690** | **43,800** | **4,200** | **24,200** | -- | -- | |
| **MW-7** | 4/12/2016 | -- | 84.58 | 54.04 | -- | 30.54 | **200,000** | **29,000** | -- | **7,300** | **36,000** | **3,400** | **20,000** | -- | -- | |
| **MW-7** | 9/15/2016 | -- | 84.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 5/11/2017 | -- | 84.58 | 54.12 | -- | 30.46 | **210,000** | **29,000** | -- | **6,800** | **41,000** | **4,500** | **27,000** | -- | -- | |
| **MW-7** | 9/11/2017 | -- | 84.58 | 54.80 | -- | 29.78 | **170,000** | **20,000** | -- | **6,300** | **45,000** | **4,700** | **28,000** | -- | -- | |
| **MW-7** | 4/6/2018 | -- | 84.58 | 53.58 | -- | 31.00 | **200,000** | **22,000** | -- | **5,000** | **37,000** | **4,500** | **25,000** | -- | -- | |
| **MW-7** | 10/24/2018 | -- | 84.58 | 54.76 | -- | 29.82 | **160,000** | **23,000** | -- | **460** | **3,600** | **420** | **2,800** | -- | -- | |
| **MW-7** | 4/19/2019 | -- | 85.68 | 55.03 | -- | 30.65 | **190,000** | **22,000** | -- | **5,000** | **46,000 D** | **4,600** | **26,000** | -- | -- | |
| **MW-7** | 9/18/2019 | -- | 85.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-7** | 4/9/2020 | -- | 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** | 10/8/2020 | -- | 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** | 04/14/2021 | -- | 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** | 9/7/2021 | -- | 85.68 | 55.82 | 0.00 | 29.86 | **112,000** | **23,700** | **2,930** | **30,700** | **2,990** | **18,600** | **<1,000** | ***<5,000*** | ***<5.00*** | |
| **MW-7** | 4/12/2022 | -- | 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-7A** | 3/4/2001 | -- | 79.02 | 53.96 | -- | 25.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 4/21/2001 | -- | 79.02 | 54.03 | -- | 24.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 5/30/2001 | -- | 79.02 | 54.15 | -- | 24.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 6/27/2001 | -- | 79.02 | 55.57 | -- | 23.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 7/19/2001 | -- | 79.02 | 55.46 | -- | 23.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 8/19/2001 | -- | 79.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 9/26/2001 | -- | 79.02 | 54.04 | -- | 24.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 10/23/2001 | -- | 79.02 | 53.72 | -- | 25.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 11/29/2001 | -- | 79.02 | 55.60 | -- | 23.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 12/9/2001 | -- | 79.02 | 55.11 | -- | 23.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 1/16/2002 | -- | 79.02 | 53.78 | -- | 25.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 2/26/2002 | -- | 79.02 | 55.22 | -- | 23.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 3/18/2002 | -- | 79.02 | 54.00 | -- | 25.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 4/30/2002 | -- | 79.02 | 54.02 | -- | 25.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 5/24/2002 | -- | 79.02 | 54.15 | -- | 24.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 6/24/2002 | -- | 79.02 | 54.46 | -- | 24.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 3/27/2003 | -- | 79.02 | 54.53 | -- | 24.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 6/10/2003 | -- | 79.02 | 55.15 | -- | 23.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 9/6/2003 | -- | 79.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 11/29/2003 | -- | 79.02 | 55.98 | -- | 23.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 3/22/2004 | -- | 79.02 | 55.28 | -- | 23.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 6/29/2004 | -- | 79.02 | 53.83 | -- | 25.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 12/28/2004 | -- | 79.02 | 53.60 | -- | 25.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 6/30/2005 | -- | 79.02 | 55.25 | -- | 23.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 9/28/2005 | -- | 79.02 | 54.89 | -- | 24.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 12/27/2005 | -- | 79.02 | 54.35 | -- | 24.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 3/31/2006 | -- | 79.02 | 54.34 | -- | 24.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 6/30/2006 | -- | 79.02 | 54.57 | -- | 24.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 4/30/2007 | -- | 79.02 | 52.85 | -- | 26.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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-7A** | 8/31/2007 | -- | 79.02 | 53.60 | -- | 25.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 10/31/2007 | -- | 79.02 | 53.08 | -- | 25.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 1/24/2008 | -- | 79.02 | 52.87 | -- | 26.15 | **18,000** | **2,000** | -- | **400** | **2,000** | **400** | **2,600** | -- | -- | |
| **MW-7A** | 6/27/2008 | -- | 79.02 | 53.27 | -- | 25.75 | **17,000** | **3,100** | -- | **500** | **1,900** | **500** | **2,600** | -- | -- | |
| **MW-7A** | 8/15/2008 | -- | 85.62 | 53.52 | -- | 32.10 | **7,200** | **1,200** | -- | **200** | **700** | **200** | **900** | -- | -- | |
| **MW-7A** | 12/9/2008 | -- | 85.62 | 52.77 | -- | 32.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 3/18/2009 | -- | 85.62 | 52.70 | -- | 32.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 6/5/2009 | -- | 85.62 | 52.59 | -- | 33.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 9/2/2009 | -- | 85.62 | 53.20 | -- | 32.42 | **5,200** | **650** | -- | **75** | **510** | **180** | **1,100** | -- | -- | |
| **MW-7A** | 12/8/2009 | -- | 85.62 | 53.42 | -- | 32.20 | **12,000/12,000** | **2,600/6,300** | -- | **32/31** | **280/270** | **260/270** | **1,900/2,100** | -- | -- | Duplicate |
| **MW-7A** | 5/17/2010 | -- | 85.62 | 52.89 | -- | 32.73 | **67,000** | **8,100** | -- | **670** | **7,000** | **1,800** | **13,000** | | -- | |
| **MW-7A** | 5/20/2010 | -- | -- | -- | -- | -- | **730,000** | **270,000** | -- | <2,500 | 14,000 | **8,200** | **57,000** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 5/21/2010 | -- | -- | -- | -- | -- | **23,000** | **13,000** | -- | **140** | **780** | **300** | **1,900** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 5/24/2010 | -- | -- | -- | -- | -- | **5,300** | **5,100** | -- | **130** | **500** | **150** | **890** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 5/27/2010 | -- | -- | -- | -- | -- | **4,500** | **3,800** | -- | **150** | **500** | **110** | **680** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 6/3/2010 | -- | -- | -- | -- | -- | **8,100** | **1,200** | -- | **130** | **890** | **170** | **1,400** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 6/9/2010 | -- | -- | -- | -- | -- | **15,000** | **2,700** | -- | **260** | **1,600** | **310** | **2,500** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 6/19/2010 | -- | -- | -- | -- | -- | **20,000** | **2,800** | -- | **600** | **2,600** | **440** | **4,000** | | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 6/25/2010 | -- | -- | -- | -- | -- | **1,600** | **3,000** | -- | **30** | **170** | **25** | **290** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 7/1/2010 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 7/29/2010 | -- | 85.62 | 54.48 | -- | 31.14 | **8,600/7,900** | **1,900/--** | -- | **190/160** | **950/860** | **71/61** | **2,000/1,800** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 8/25/2010 | -- | 85.62 | 54.12 | -- | 31.50 | **4,300** | **1,000** | -- | **91** | **320** | **17** | **850** | -- | -- | |
| **MW-7A** | 10/19/2010 | -- | 85.62 | 53.90 | -- | 31.72 | **5,800** | **1,400** | -- | **60** | **260** | **13** | **1,300** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-7A** | 4/26/2011 | -- | 85.62 | 53.22 | 0.12 | 32.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 9/20/2011 | -- | 85.62 | 55.05 | -- | 30.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 5/18/2012 | -- | 85.62 | 54.70 | -- | 30.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 9/17/2012 | -- | 85.62 | 54.60 | -- | 31.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 5/1/2013 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 4/29/2013 | -- | 85.62 | 53.83 | 0.20 | 31.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 9/17/2013 | -- | 85.62 | 55.10 | -- | 30.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 4/29/2014 | -- | 85.62 | 52.94 | -- | 32.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well not sampled due to presence of LNAPL |
| **MW-7A** | 9/4/2014 | -- | 85.62 | 56.40 | -- | 29.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-7A** | 4/15/2015 | -- | 85.62 | 54.35 | -- | 31.27 | **8,460** | **2,600** | -- | **18.2** | **210** | **10.1** | **969** | -- | -- | |
| **MW-7A** | 9/3/2015 | -- | 85.62 | 56.42 | -- | 29.20 | **26,500** | **3,700** | -- | **103** | **1,610** | **469** | **5,830** | -- | -- | |
| **MW-7A** | 4/13/2016 | -- | 85.62 | 55.09 | -- | 30.53 | **12,000** | **13,000** | -- | **170** | **1,100** | **58** | **2,400** | -- | -- | |
| **MW-7A** | 9/16/2016 | -- | 85.62 | 56.27 | -- | 29.35 | **14,000** | **3,800** | -- | **420** | **1,600** | **180** | **4,400** | -- | -- | |
| **MW-7A** | 5/11/2017 | -- | 85.62 | 55.17 | -- | 30.45 | **13,000** | **2,900** | -- | **99** | **280** | **88** | **3,500** | -- | -- | |
| **MW-7A** | 9/11/2017 | -- | 85.62 | 55.85 | -- | 29.77 | **20,000** | **6,900** | -- | **340** | **1,600** | **170** | **6,700** | -- | -- | |
| **MW-7A** | 4/6/2018 | -- | 85.62 | 54.65 | -- | 30.97 | **15,000** | **3,500** | -- | **210** | **580** | **91** | **4,800** | -- | -- | |
| **MW-7A** | 10/24/2018 | -- | 85.62 | 55.82 | -- | 29.80 | **9,300** | **4,600** | -- | **49** | **340** | **71** | **2,900** | -- | -- | |
| **MW-7A** | 4/19/2019 | -- | 86.82 | 53.16 | -- | 33.66 | **18,000** | **4,900** | -- | **320** | **720** | **92** | **5,000** | -- | -- | |
| **MW-7A** | 9/18/2019 | -- | 86.82 | 58.65 | -- | 28.17 | **900** | **440** | -- | **29** | **130** | **14** | **162** | -- | -- | |
| **MW-7A** | 4/9/2020 | -- | 86.82 | 56.00 | 0.00 | 30.82 | **3,820** | **2,060** | -- | **74.2** | **545** | **175** | **3,590** | <1.00 | **46.5** | |
| **MW-7A** | 10/8/2020 | -- | 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** | 9/7/2021 | -- | 86.82 | 56.87 | 0.00 | 29.95 | **825** | <939 B | **8.48 J** | **61** | **10.4 J** | **167** | <25.0 | <125 | <0.125 | |
| **MW-7A** | 4/12/2022 | -- | 86.82 | 55.76 | 0.00 | 31.06 | **8,090** | **2,750** | | **64.7** | **357** | **44.4** | **3,700** | <25.0 | ***<125*** | |
| **MW-8** | 3/4/2001 | -- | 77.21 | 45.10 | -- | 32.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 4/21/2001 | -- | 77.21 | 45.39 | -- | 31.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 5/30/2001 | -- | 77.21 | 45.96 | -- | 31.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 6/27/2001 | -- | 77.21 | 47.13 | -- | 30.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 9/26/2001 | -- | 77.21 | 46.76 | -- | 30.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 12/9/2001 | -- | 77.21 | 46.45 | -- | 30.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 3/18/2002 | -- | 77.21 | 46.99 | -- | 30.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 6/24/2002 | -- | 77.21 | 47.23 | -- | 29.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 11/29/2003 | -- | 77.21 | 48.13 | -- | 29.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 3/22/2004 | -- | 77.21 | 47.58 | -- | 29.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-8** | 6/29/2004 | -- | 77.21 | 47.49 | -- | 29.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 12/28/2004 | -- | | ABANDONED | | | | | | ABANDONED | | | | | -- | |
| **MW-9** | 3/4/2001 | -- | 76.58 | 33.03 | -- | 43.55 | **12,000** | **11,900** | -- | **1,460** | **491** | **283** | **887** | -- | -- | |
| **MW-9** | 4/21/2001 | -- | 76.58 | 33.59 | -- | 42.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 5/30/2001 | -- | 76.58 | 33.99 | -- | 42.59 | **5,360 / 7,780** | **8,410 / --** | -- | **1,080 / 1,010** | **185 / 171** | **202 / 186** | **540 / 505** | -- | -- | |
| **MW-9** | 6/27/2001 | -- | 76.58 | 34.22 | -- | 42.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 9/27/2001 | -- | 76.58 | 35.00 | -- | 41.58 | **5,470 / --** | **5,970 / --** | -- | **791 / 853** | **110 / 118** | **135 / 146** | **376 / 406** | -- | -- | |
| **MW-9** | 12/9/2001 | -- | 76.58 | 35.20 | -- | 41.38 | **3,470 / 4,290** | **4,870 / --** | -- | **840 / 716** | **23.6 / 33.1** | **167 / 167** | **218 / 309** | -- | -- | |
| **MW-9** | 3/18/2002 | -- | 76.58 | 35.90 | -- | 40.68 | **4,120 / --** | **4,020 / --** | -- | **600 / 533** | **9.46 / 9.62** | **99.3 / 117** | **119 / 162** | -- | -- | |
| **MW-9** | 6/24/2002 | -- | 76.58 | 36.19 | -- | 40.39 | **3,190** | **3050** | -- | **512** | **7.44** | **111** | **136** | -- | -- | |
| **MW-9** | 3/27/2003 | -- | 76.58 | -- | -- | -- | **2,400** | **4,300** | -- | **329** | **40** | **2.7** | **33** | -- | -- | |
| **MW-9** | 6/10/2003 | -- | 76.58 | -- | -- | -- | **4,800** | **4,600** | -- | **791** | **158** | **15** | **177** | -- | -- | |
| **MW-9** | 9/6/2003 | -- | 76.58 | -- | -- | -- | **3,100** | **3,700** | -- | **485** | **74** | **<5** | **85** | -- | -- | |
| **MW-9** | 11/29/2003 | -- | 76.58 | 37.58 | -- | 39.00 | **2,400** | **2,800** | -- | **435** | **98** | **3.5** | **85** | -- | -- | |
| **MW-9** | 3/22/2004 | -- | 76.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 6/29/2004 | -- | 76.58 | 36.69 | -- | 39.89 | **300** | **690** | -- | **44** | **<0.5** | **2.7** | **3.2** | -- | -- | |
| **MW-9** | 12/28/2004 | -- | 76.58 | 35.68 | -- | 40.90 | **1,100** | **4,800** | -- | **172** | **1.7** | **3.5** | **11** | -- | -- | |
| **MW-9** | 6/30/2005 | -- | 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** | 12/27/2005 | -- | 76.58 | 36.12 | -- | 40.46 | **3,410** | **2,250** | -- | **657** | **<5** | **18.7** | **19** | -- | -- | |
| **MW-9** | 6/30/2006 | -- | 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** | 4/30/2007 | -- | 76.58 | 36.39 | -- | 40.19 | **3,900** | **4,900** | -- | **800** | **3** | **60** | **50** | -- | -- | |
| **MW-9** | 8/31/2007 | -- | 76.58 | 37.53 | -- | 39.05 | **--/7,000** | **4,400/4,500** | -- | **900/900** | **40/40** | **200/200** | **500/500** | <20/-- | -- | |
| **MW-9** | 1/23/2008 | -- | 76.58 | 37.32 | -- | 39.26 | **1,200** | **3,400** | -- | **100** | **2** | **20** | **20** | -- | -- | |
| **MW-9** | 8/8/2008 | -- | 83.19 | 38.02 [1] | -- | 45.17 | **3,700** | **4,000** | -- | **900** | **8** | **90** | **80** | -- | -- | |
| **MW-9** | 3/18/2009 | -- | 83.19 | 38.80 | -- | 44.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 6/5/2009 | -- | 83.19 | 37.86 | -- | 45.33 | **5,500** | **5,400** | -- | **1,000** | **9.6** | **150** | **170** | -- | -- | |
| **MW-9** | 9/2/2009 | -- | 83.19 | 38.40 | -- | 44.79 | **2,700** | **6,100** | -- | **500** | **4.6** | **59** | **72** | -- | -- | |
| **MW-9** | 12/8/2009 | -- | 83.19 | 38.81 | -- | 44.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 5/17/2010 | -- | 83.19 | 39.15 | -- | 44.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 8/24/2010 | -- | 83.19 | 39.20 | -- | 43.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 4/26/2011 | -- | 83.19 | 39.15 | -- | 44.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 9/20/2011 | -- | 83.19 | 39.20 | -- | 43.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 5/18/2012 | -- | 83.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-9** | 9/17/2012 | -- | 83.19 | 37.80 | -- | 45.39 | **3,600** | **6,500** | <50 | **690** | **1.7** | **100** | **95** | -- | -- | |
| **MW-9** | 5/1/2013 | -- | 83.19 | 36.11 | -- | 47.08 | **122** | **3,100** | **560** | **11.5** | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-9** | 9/17/2013 | -- | 83.19 | 36.99 | -- | 46.20 | **4,470** | **8,600** | **930** | **678** | **5.2** | **161** | **120** | -- | -- | |
| **MW-9** | 4/29/2014 | -- | 83.19 | 33.97 | -- | 49.22 | **1,730** | **10,700** | -- | **553** | <5.0 | **10.9** | <15.0 | -- | -- | |
| **MW-9** | 9/4/2014 | -- | 83.19 | 34.92 | -- | 48.27 | **3,620** | **11,200** | -- | **611** | <5.0 | **121** | **77.9** | -- | -- | |
| **MW-9** | 4/14/2015 | -- | 83.19 | 35.14 | -- | 48.05 | **1,220** | **3,500** | -- | **284** | <1.0 | **40.2** | **29.2** | -- | -- | |
| **MW-9** | 9/3/2015 | -- | 83.19 | 36.92 | -- | 46.27 | **2,470** | **8,100** | -- | **338** | <2.0 | **88.9** | **111** | -- | -- | |
| **MW-9** | 4/12/2016 | -- | 83.19 | 36.85 | -- | 46.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not Sampled |
| **MW-9** | 9/15/2016 | -- | 83.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-9** | 5/10/2017 | -- | 83.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-9** | 4/6/2018 | -- | 83.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-9** | 10/24/2018 | -- | 83.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-9** | 4/19/2019 | -- | 83.20 | 39.48 | -- | 43.72 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | |
| **MW-9** | 9/18/2019 | -- | 83.20 | 39.52 | -- | 43.68 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | |
| **MW-9** | 4/9/2020 | -- | 83.20 | 39.55 | 0.00 | 43.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-9** | 10/7/2020 | -- | 83.20 | 39.55 | 0.00 | 43.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Insufficient water to sample |
| **MW-9** | 9/7/2021 | -- | 83.20 | 39.61 | 0.00 | 43.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Insufficient water to sample |
| **MW-9** | 4/12/2022 | -- | 83.20 | 39.65 | 0.00 | 43.55 | -- | -- | | -- | -- | -- | -- | -- | -- | Insufficient water to sample |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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-10** | 3/4/2001 | -- | 75.85 | 40.70 | -- | 35.15 | **--** | **--** | **--** | **26.6** | **0.732** | <0.500 | <1.00 | **--** | -- | |
| **MW-10** | 4/21/2001 | -- | 75.85 | 40.57 | -- | 35.28 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | |
| **MW-10** | 5/30/2001 | -- | 75.85 | 40.29 | -- | 35.56 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | |
| **MW-10** | 6/27/2001 | -- | 75.85 | 41.75 | -- | 34.10 | **--** | **--** | **--** | **8.58** | <0.500 | <0.500 | <1.00 | **--** | -- | |
| **MW-10** | 9/26/2001 | -- | 75.85 | 41.21 | -- | 34.64 | -- | -- | -- | **1.1** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-10** | 12/9/2001 | -- | 75.85 | 42.00 | -- | 33.85 | -- | -- | -- | **1.2** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-10** | 3/18/2002 | -- | 75.85 | 42.40 | -- | 33.45 | -- | -- | -- | **1.9** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-10** | 6/24/2002 | -- | 75.85 | 41.96 | -- | 33.89 | -- | -- | -- | **0.3** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-10** | 11/29/2003 | -- | 75.85 | 38.28 | -- | 37.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 3/22/2004 | -- | 75.85 | 42.40 | -- | 33.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 6/29/2004 | -- | 75.85 | 45.90 | -- | 29.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 12/28/2004 | -- | 75.85 | 43.51 | -- | 32.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 6/30/2005 | -- | 75.85 | 41.33 | -- | 34.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 12/27/2005 | -- | 75.85 | 41.05 | -- | 34.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 6/30/2006 | -- | 75.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 4/30/2007 | -- | 75.85 | 46.92 | -- | 28.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 8/31/2007 | -- | 75.85 | 42.28 | -- | 33.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 8/15/2008 | -- | 82.50 | 41.71 | -- | 40.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 3/18/2009 | -- | 82.50 | 42.10 | -- | 40.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 6/4/2009 | -- | 82.50 | 42.03 | -- | 40.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 8/31/2009 | -- | 82.50 | 38.40 | -- | 44.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 12/8/2009 | -- | 82.50 | 42.95 | -- | 39.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 5/17/2010 | -- | 82.50 | 42.01 | -- | 40.49 | <10 | **250** | -- | <0.5 | 0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-10** | 8/24/2010 | -- | 82.50 | 41.38 | -- | 41.12 | <10 | **160** | -- | <0.5 | 0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-10** | 4/26/2011 | -- | 82.50 | 42.62 | -- | 39.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 9/20/2011 | -- | 82.50 | 41.41 | -- | 41.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 9/3/2014 | -- | 82.50 | 36.28 | -- | 46.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 4/19/2019 | -- | 82.52 | 40.85 | -- | 41.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 9/18/2019 | -- | 82.52 | 43.96 | -- | 38.56 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | |
| **MW-10** | 4/9/2020 | -- | 82.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to locate well |
| **MW-10** | 10/7/2020 | -- | 82.52 | 43.50 | 0.00 | 39.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 9/7/2021 | -- | 82.52 | 38.72 | 0.00 | 43.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-10** | 4/12/2022 | -- | 82.52 | 38.58 | 0.00 | 43.94 | -- | -- | | -- | -- | -- | -- | -- | -- | |
| | | | | | | | | | | | | | | | | |
| **MW-11** | 3/4/2001 | -- | 77.27 | 49.65 | -- | 27.62 | -- | -- | -- | **4.18** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-11** | 4/21/2001 | -- | 77.27 | 49.77 | -- | 27.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 5/30/2001 | -- | 77.27 | 49.95 | -- | 27.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 6/27/2001 | -- | 77.27 | 50.50 | -- | 26.77 | -- | -- | -- | **2.61** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-11** | 9/26/2001 | -- | 77.27 | 50.72 | -- | 26.55 | -- | -- | -- | **2.02** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-11** | 12/9/2001 | -- | 77.27 | 50.47 | -- | 26.80 | -- | -- | -- | **0.538** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-11** | 3/18/2002 | -- | 77.27 | 50.55 | -- | 26.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 6/24/2002 | -- | 77.27 | 50.30 | -- | 26.97 | -- | -- | -- | **7.67** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-11** | 6/10/2003 | -- | 77.27 | -- | -- | -- | -- | -- | -- | **2.0** | **<0.5** | **1.2** | **2.3** | -- | -- | |
| **MW-11** | 11/29/2003 | -- | 77.27 | 51.80 | -- | 25.47 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-11** | 3/22/2004 | -- | 77.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 6/29/2004 | -- | 77.27 | 51.03 | -- | 26.24 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-11** | 12/28/2004 | -- | 77.27 | 51.06 | -- | 26.21 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-11** | 6/30/2005 | -- | 77.27 | 50.63 | -- | 26.64 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-11** | 12/27/2005 | -- | 77.27 | 50.46 | -- | 26.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 6/30/2006 | -- | 77.27 | 50.95 | -- | 26.32 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-11** | 4/30/2007 | -- | 77.27 | 49.99 | -- | 27.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 8/31/2007 | -- | 77.27 | 50.75 | -- | 26.52 | -- | -- | -- | <1 | <1 | <1 | <2 | <3 | -- | |
| **MW-11** | 8/15/2008 | -- | 83.88 | 50.77 | -- | 33.11 | -- | -- | -- | **6** | **3** | **2** | **10** | -- | -- | |
| **MW-11** | 3/18/2009 | -- | 83.88 | 50.01 | -- | 33.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 6/4/2009 | -- | 83.88 | 51.90 | -- | 31.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 9/2/2009 | -- | 83.88 | 51.39 | -- | 32.49 | -- | -- | -- | **7.1** | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-11** | 12/8/2009 | -- | 83.88 | 59.40 | -- | 24.48 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | |
| **MW-11** | 5/17/2010 | -- | 83.88 | 50.55 | -- | 33.33 | <10 | **210** | **--** | <0.5 | 0.9 | <0.5 | <1.5 | **--** | -- | |
| **MW-11** | 8/24/2010 | -- | 83.88 | 51.10 | -- | 32.78 | <10 | **400** | **--** | <0.5 | 0.9 | <0.5 | <1.5 | **--** | -- | |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 4/26/2011 | -- | 83.88 | 50.56 | -- | 33.32 | <10 | **210** | **--** | <0.5 | <0.5 | <0.5 | <1.5 | **--** | -- | |
| **MW-11** | 9/20/2011 | -- | 83.88 | 51.32 | -- | 32.56 | <10 | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-11** | 5/18/2012 | -- | 83.88 | 50.69 | -- | 33.19 | <10 | **270** | <48 | **1** | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-11** | 9/17/2012 | -- | 83.88 | 51.38 | -- | 32.50 | <10 | **130** | <51 | **1.4** | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-11** | 4/29/2013 | -- | 83.88 | 50.15 | -- | 33.73 | <100 | <520 | -- | **1.5** | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-11** | 9/17/2013 | -- | 83.88 | 50.85 | -- | 33.03 | <100 | <420 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-11** | 4/28/2014 | -- | 83.88 | 49.00 | -- | 34.88 | <100 | <260 | -- | **7.2** | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-11** | 9/3/2014 | -- | 83.88 | 51.05 | -- | 32.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Flooded |
| **MW-11** | 4/14/2015 | -- | 83.88 | 50.42 | -- | 33.46 | <100 | <430 | -- | **2.3** | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-11** | 9/2/2015 | -- | 83.88 | 51.99 | -- | 31.89 | <100 | **2,000** | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-11** | 4/12/2016 | -- | 83.88 | 51.32 | -- | 32.56 | <10 | **200** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-11** | 9/15/2016 | -- | 83.88 | 52.60 | -- | 31.28 | <10 | **290** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-11** | 5/10/2017 | -- | 83.88 | 51.32 | -- | 32.56 | <10 | **190** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-11** | 9/11/2017 | -- | 83.88 | 52.13 | -- | 31.75 | <10 | **940** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-11** | 4/6/2018 | -- | 83.88 | 51.21 | -- | 32.67 | <10 | **190 J** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-11** | 10/24/2018 | -- | 83.88 | 51.76 | -- | 32.12 | <14 | <430 B | -- | <0.2 | <0.2 | <0.4 | <1.0 | -- | -- | |
| **MW-11** | 10/24/2018 | -- | 83.88 | 51.76 | -- | 32.12 | <14 | <330 B | -- | <0.2 | <0.2 | <0.4 | <1.0 | -- | -- | Duplicate |
| **MW-11** | 4/19/2019 | -- | 83.95 | 52.55 | -- | 31.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-11** | 9/24/2019 | -- | 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** | 4/9/2020 | -- | 83.95 | -- | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well vault frozen with ice, Could not free PVC Without damaging it |
| **MW-11** | 10/8/2020 | -- | 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** | 9/7/2021 | -- | 83.95 | 53.14 | 0.00 | 30.81 | <100 | <800 B | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | <5.00 | <0.00500 | |
| **MW-11** | 4/12/2022 | -- | 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-12** | 3/4/2001 | -- | 77.28 | 51.20 | -- | 26.08 | -- | -- | -- | <0.500 | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-12** | 4/21/2001 | -- | 77.28 | 51.35 | -- | 25.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-12** | 5/30/2001 | -- | 77.28 | 51.37 | -- | 25.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-12** | 6/27/2001 | -- | 77.28 | 53.52 | -- | 23.76 | -- | -- | -- | **0.32** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-12** | 9/26/2001 | -- | 77.28 | 52.36 | -- | 24.92 | -- | -- | -- | <0.200 | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-12** | 12/9/2001 | -- | 77.28 | 51.85 | -- | 25.43 | -- | -- | -- | <0.200 | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-12** | 3/18/2002 | -- | 77.28 | 51.88 | -- | 25.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-12** | 6/24/2002 | -- | 77.28 | 52.40 | -- | 24.88 | -- | -- | -- | <0.200 | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-12** | 11/29/2003 | -- | 77.28 | 53.30 | -- | 23.98 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-12** | 3/22/2004 | -- | 77.28 | 52.47 | -- | 24.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-12** | 6/29/2004 | -- | 77.28 | 52.50 | -- | 24.78 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-12** | 12/28/2004 | -- | 77.28 | 52.55 | -- | 24.73 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-12** | 6/30/2005 | -- | 77.28 | 53.17 | -- | 24.11 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-12** | 12/27/2005 | -- | 77.28 | 53.17 | -- | 24.11 | -- | -- | -- | **0.824** | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 6/30/2006 | -- | 77.28 | 52.96 | -- | 24.32 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 4/30/2007 | -- | 77.28 | 51.37 | -- | 25.91 | -- | -- | -- | <1.0 | <1.0 | <1.0 | <2.0 | -- | -- | |
| **MW-12** | 8/31/2007 | -- | 77.28 | 51.93 | -- | 25.35 | -- | -- | -- | <1 | <1 | <1 | <2 | <3 | -- | |
| **MW-12** | 1/23/2008 | -- | 77.28 | 51.39 | -- | 25.89 | -- | -- | -- | <1 | <1 | <1 | <2 | -- | -- | |
| **MW-12** | 8/15/2008 | -- | 83.90 | 52.25 | -- | 31.65 | -- | -- | -- | <1 | <1 | <1 | **3** | -- | -- | |
| **MW-12** | 3/18/2009 | -- | 83.90 | 51.20 | -- | 32.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-12** | 6/4/2009 | -- | 83.90 | 51.39 | -- | 32.51 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 9/1/2009 | -- | 83.90 | 53.00 | -- | 30.90 | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 12/8/2009 | -- | 83.90 | 52.27 | -- | 31.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-12** | 5/17/2010 | -- | 83.90 | 51.61 | -- | 32.29 | <10 | **360** | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 8/24/2010 | -- | 83.90 | 52.65 | -- | 31.25 | <10 | **160** | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 4/26/2011 | -- | 83.90 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | Obstructed |
| **MW-12** | 9/20/2011 | -- | 83.90 | 52.82 | -- | 31.08 | <10 | **220** | **91** | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 5/18/2012 | -- | 83.90 | 51.84 | -- | 32.06 | <10 | **430** | **73** | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 9/17/2012 | -- | 83.90 | 52.33 | -- | 31.57 | <10 | **410** | **52** | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-12** | 4/29/2013 | -- | 83.90 | 44.40 | -- | 39.50 | <100 | <520 | **--** | <1.0 | <1.0 | <1.0 | <3.0 | **--** | -- | |
| **MW-12** | 9/17/2013 | -- | 83.90 | 52.75 | -- | 31.15 | <100 | <420 | **--** | <1.0 | <1.0 | <1.0 | <3.0 | **--** | -- | |
| **MW-12** | 4/28/2014 | -- | 83.90 | 50.74 | -- | 33.16 | <100 | **270** | **--** | <1.0 | <1.0 | <1.0 | <3.0 | **--** | -- | |
| **MW-12** | 9/4/2014 | -- | 83.90 | 51.63 | -- | 32.27 | <100 | <400 | **--** | <1.0 | <1.0 | <1.0 | <3.0 | **--** | -- | |
| **MW-12** | 4/14/2015 | -- | 83.90 | 52.25 | -- | 31.65 | <100 | <400 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 9/3/2015 | -- | 83.90 | 54.31 | -- | 29.59 | <100 | <400 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-12** | 4/13/2016 | -- | 83.90 | 53.10 | -- | 30.80 | <10 | **400** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-12** | 9/16/2016 | -- | 83.90 | 54.43 | -- | 29.47 | <10 | **1,100** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-12** | 5/11/2017 | -- | 83.90 | 52.98 | -- | 30.92 | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | -- | Not Sampled |
| **MW-12** | 9/11/2017 | -- | 83.90 | 53.77 | -- | 30.13 | <10 | **280** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-12** | 4/6/2018 | -- | 83.90 | **--** | **--** | **--** | <10 | **130 J** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | Well not gauged - Half Frozen |
| **MW-12** | 10/24/2018 | -- | 83.90 | 53.48 | -- | 30.42 | <14 | <500 B | -- | <0.2 | <0.2 | <0.4 | <1.0 | -- | -- | |
| **MW-12** | 4/19/2019 | -- | 84.04 | 53.86 | -- | 30.18 | **14 J** | <490 B | -- | <0.2 | <1 B | <0.4 | <1 | -- | -- | |
| **MW-12** | 9/18/2019 | -- | 84.04 | 56.56 | -- | 27.48 | **--** | **--** | **--** | **--** | **--** | **--** | | **--** | -- | |
| **MW-12** | 4/9/2020 | -- | 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** | 10/7/2020 | -- | 84.04 | 54.05 | 0.00 | 29.99 | <100 | <800 | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **MW-12** | 9/7/2021 | -- | 84.04 | 54.62 | 0.00 | 29.42 | <100 | <800 B | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | <5.00 | <0.00500 | |
| **MW-12** | 4/12/2022 | -- | 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-13** | 3/4/2001 | -- | 78.28 | 52.20 | -- | 26.08 | -- | -- | -- | **262** | <2.50 | <2.50 | <5.00 | -- | -- | |
| **MW-13** | 4/21/2001 | -- | 78.28 | 52.38 | -- | 25.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-13** | 5/30/2001 | -- | 78.28 | 52.52 | -- | 25.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-13** | 6/27/2001 | -- | 78.28 | 54.10 | -- | 24.18 | -- | -- | -- | **0.36** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-13** | 9/26/2001 | -- | 78.28 | 53.41 | -- | 24.87 | -- | -- | -- | **1,050** | **5.46** | **6.08** | **17.2** | -- | -- | |
| **MW-13** | 12/9/2001 | -- | 78.28 | 52.86 | -- | 25.42 | -- | -- | -- | **3,110** | <0.500 | **57.8** | **191** | -- | -- | |
| **MW-13** | 3/18/2002 | -- | 78.28 | 52.98 | -- | 25.30 | -- | -- | -- | **71.5** | <0.500 | <0.500 | <1.00 | -- | -- | |
| **MW-13** | 6/24/2002 | -- | 78.28 | 53.25 | -- | 25.03 | -- | -- | -- | **1.16 / 0.711** | <0.50/<0.50 | <0.50/<0.50 | <1.00/<1.00 | -- | -- | |
| **MW-13** | 3/27/2003 | -- | 78.28 | -- | -- | -- | -- | -- | -- | **0.8** | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 6/10/2003 | -- | 78.28 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 9/6/2003 | -- | 78.28 | -- | -- | -- | -- | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 11/29/2003 | -- | 78.28 | 54.25 | -- | 24.03 | -- | -- | -- | **2,725** | <0.5 | **8.9** | **63** | -- | -- | |
| **MW-13** | 3/22/2004 | -- | 78.28 | 53.40 | -- | 24.88 | -- | -- | -- | **764** | <0.5 | **0.88** | **1.4** | -- | -- | |
| **MW-13** | 6/29/2004 | -- | 78.28 | 53.43 | -- | 24.85 | <50 | -- | -- | **1.8** | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 9/15/2004 | -- | 78.28 | -- | -- | -- | <50 | -- | -- | **3.75** | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 12/28/2004 | -- | 78.28 | 53.51 | -- | 24.77 | **3,400** | -- | -- | **1,690** | 3.0 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 3/29/2005 | -- | 78.28 | -- | -- | -- | **430** | -- | -- | **138** | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 6/30/2005 | -- | 78.28 | 53.86 | -- | 24.42 | <50 | -- | -- | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | |
| **MW-13** | 9/28/2005 | -- | 78.28 | -- | -- | -- | **<5,000** | -- | -- | **640** | <50 | <50 | <150 | -- | -- | |
| **MW-13** | 12/27/2005 | -- | 78.28 | 52.89 | -- | 25.39 | **4,150/4,290** | -- | -- | **1,380/1,430** | <5/<5 | <5/<5 | <15/<15 | -- | -- | |
| **MW-13** | 3/31/2006 | -- | 78.28 | -- | -- | -- | <50 | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 6/30/2006 | -- | 78.28 | 53.80 | -- | 24.48 | <50 | -- | -- | **0.634** | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 11/18/2006 | -- | 78.28 | -- | -- | -- | **<10,000** | -- | -- | **7.6** | <1.0 | <1.0 | <2.0 | -- | -- | |
| **MW-13** | 4/30/2007 | -- | 78.28 | 52.25 | -- | 26.03 | <10 | -- | -- | <1/<1 | <1/<1 | <1/<1 | <2/<2 | -- | -- | |
| **MW-13** | 8/31/2007 | -- | 78.28 | 53.18 | -- | 25.10 | 10 | -- | -- | <1 | <1 | <1 | <2 | <3 | -- | |
| **MW-13** | 10/31/2007 | -- | 78.28 | 52.71 | -- | 25.57 | 10 | -- | -- | <1 | <1 | <1 | <2 | <3 | -- | |
| **MW-13** | 1/23/2008 | -- | 78.28 | 52.31 | -- | 25.97 | 10 | -- | -- | <1 | <1 | <1 | <2 | -- | -- | |
| **MW-13** | 6/27/2008 | -- | 78.28 | 52.90 | -- | 25.38 | <10 | -- | -- | <1 | <1 | <1 | <2 | -- | -- | |
| **MW-13** | 8/8/2008 | -- | 84.89 | 53.24 | -- | 31.65 | <10/<10 | **87/110** | -- | <1/<1 | <1/<1 | <1/<1 | <2/<2 | -- | -- | |
| **MW-13** | 12/9/2008 | -- | 84.89 | 52.35 | -- | 32.54 | **20** | -- | -- | <1 | <1 | <1 | <2 | <3 | -- | |
| **MW-13** | 3/18/2009 | -- | 84.89 | 52.14 | -- | 32.75 | **15** | <49 | -- | <0.5 | <0.5 | <0.5 | <1.5 | <2.5 | -- | |
| **MW-13** | 6/4/2009 | -- | 84.89 | 52.32 | -- | 32.57 | **17** | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 9/1/2009 | -- | 84.89 | 53.90 | -- | 30.99 | **20** | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 12/8/2009 | -- | 84.89 | 53.18 | -- | 31.71 | <10 | -- | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 5/17/2010 | -- | 84.89 | 52.60 | -- | 32.29 | <10 | <50 | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 6/25/2010 | -- | -- | -- | -- | -- | <10 | <49 | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **MW-13** | 8/25/2010 | -- | 84.89 | 53.60 | -- | 31.29 | <10 | 160 | -- | <0.5 | 0.7 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 4/26/2011 | -- | 84.89 | 53.60 | -- | 31.29 | <10 | <48 | -- | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 9/20/2011 | -- | 84.89 | 53.79 | -- | 31.10 | **28** | <47 | <48 | **4.9** | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 5/18/2012 | -- | 84.89 | 52.75 | -- | 32.14 | <10 | **58** | <47 | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 9/17/2012 | -- | 84.89 | 53.21 | -- | 31.68 | <10 | **250** | **89** | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | |
| **MW-13** | 4/30/2013 | -- | 84.89 | 52.41 | -- | 32.48 | <100 | <520 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-13** | 9/17/2013 | -- | 84.89 | 53.62 | -- | 31.27 | <100 | <420 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-13** | 4/28/2014 | -- | 84.89 | 51.62 | -- | 33.27 | <100 | <260 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 9/4/2014 | -- | 84.89 | 55.21 | -- | 29.68 | <100 | <400 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-13** | 4/14/2015 | -- | 84.89 | 53.13 | -- | 31.76 | <100 | <420 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-13** | 9/3/2015 | -- | 84.89 | 55.03 | -- | 29.86 | <100 | <410 | -- | <1.0 | <1.0 | <1.0 | <3.0 | -- | -- | |
| **MW-13** | 4/13/2016 | -- | 84.89 | 53.89 | -- | 31.00 | <10 | <49 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-13** | 9/16/2016 | -- | 84.89 | 55.28 | -- | 29.61 | <10 | **73** | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-13** | 5/11/2017 | -- | 84.89 | 53.73 | -- | 31.16 | <10 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-13** | 9/11/2017 | -- | 84.89 | 54.58 | -- | 30.31 | <10 | <51 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-13** | 4/6/2018 | -- | 84.89 | 54.58 | -- | 30.31 | <10 | <51 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | |
| **MW-13** | 10/24/2018 | -- | 84.89 | 54.20 | -- | 30.69 | <14 | <120 B | -- | <0.2 | <0.2 | <0.4 | <1.0 | -- | -- | |
| **MW-13** | 4/19/2019 | -- | 84.89 | 54.73 | -- | 30.16 | <14 | <270 B | -- | <0.2 | <0.2 | <0.4 | <1 | -- | -- | |
| **MW-13** | 9/24/2019 | -- | 84.89 | 57.22 | -- | 27.67 | <100 | <94 | -- | <0.53 | <0.39 | <0.50 | <0.75 | -- | -- | |
| **MW-13** | 4/9/2020 | -- | 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** | 10/7/2020 | -- | 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** | 04/14/2021 | -- | 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** | 9/7/2021 | -- | 84.89 | 55.41 | 0.00 | 29.48 | <100 | <925 B | <1.00 | **0.365 J** | <1.00 | <3.00 | <1.00 | <5.00 | <0.00500 | |
| **MW-13** | 4/12/2022 | -- | 84.89 | 54.33 | 0.00 | 30.56 | <100 | <888 | | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00 J*** | |
| **MW-14** | 9/20/2011 | -- | 82.62 | 23.25 | -- | 59.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-14** | 5/18/2012 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 9/17/2012 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 4/29/2013 | -- | 82.62 | 23.05 | -- | 59.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-14** | 9/17/2013 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 4/28/2014 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 9/3/2014 | -- | 82.62 | 23.43 | -- | 59.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-14** | 4/14/2015 | -- | 82.62 | 23.40 | -- | 59.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **MW-14** | 9/2/2015 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 9/15/2016 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 5/10/2017 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 9/11/2017 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 4/6/2018 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Frozen |
| **MW-14** | 10/24/2018 | -- | 82.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 4/19/2019 | -- | 83.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 9/18/2019 | -- | 83.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **MW-14** | 4/9/2020 | -- | 83.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Dry at 23.4 ft btoc |
| **MW-14** | 10/7/2020 | -- | 83.66 | 23.35 | 0.00 | 60.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Insufficient water to sample |
| **MW-14** | 9/7/2021 | -- | 83.66 | -- | 0.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Dry at 23.3 ft btoc |
| **RW-14** | 3/4/2001 | -- | 77.46 | 50.65 | -- | 26.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled due to the presence of LNAPL |
| **RW-14** | 4/21/2001 | -- | 77.46 | 50.82 | -- | 26.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 5/30/2001 | -- | 77.46 | 50.94 | -- | 26.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 6/27/2001 | -- | 77.46 | 52.55 | -- | 24.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled due to the presence of LNAPL |
| **RW-14** | 7/19/2001 | -- | 77.46 | 52.82 | -- | 24.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 8/19/2001 | -- | 77.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 9/26/2001 | -- | 77.46 | 51.90 | -- | 26.2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled due to the presence of LNAPL |
| **RW-14** | 10/23/2001 | -- | 77.46 | 51.71 | -- | 25.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 11/29/2001 | -- | 77.46 | 51.28 | -- | 26.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 12/9/2001 | -- | 77.46 | 51.28 | -- | 26.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled due to the presence of LNAPL |
| **RW-14** | 1/16/2002 | -- | 77.46 | 50.83 | -- | 26.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 2/26/2002 | -- | 77.46 | 51.36 | -- | 26.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 3/18/2002 | -- | 77.46 | 51.04 | -- | 26.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled due to the presence of LNAPL |
| **RW-14** | 4/30/2002 | -- | 77.46 | 51.25 | -- | 26.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 5/24/2002 | -- | 77.46 | 51.09 | -- | 25.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 6/24/2002 | -- | 77.46 | 51.58 | -- | 25.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Not sampled due to the presence of LNAPL |
| **RW-14** | 3/27/2003 | -- | 77.46 | 51.57 | -- | 25.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 6/10/2003 | -- | 77.46 | 52.41 | -- | 25.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 9/6/2003 | -- | 77.46 | 53.81 | **0.02** | 23.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Duplicate (labeled RW-15) assumed to be from well RW-14. |
| **RW-14** | 11/29/2003 | -- | 77.46 | 52.65 | **0.01** | 24.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Duplicate (labeled RW-15) assumed to be from well RW-14. |
| **RW-14** | 3/22/2004 | -- | 77.46 | 51.86 | **0.01** | 25.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Duplicate (labeled RW-15) assumed to be from well RW-14. |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 6/29/2004 | -- | 77.46 | 51.84 | **film** | 25.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 12/28/2004 | -- | 77.46 | 50.84 | **film** | 26.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 6/30/2005 | -- | 77.46 | 50.30 | **film** | 27.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 9/28/2005 | -- | 77.46 | 50.13 | -- | 27.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 12/27/2005 | -- | 77.46 | 50.02 | -- | 27.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 3/31/2006 | -- | 77.46 | 51.66 | **0.01** | 25.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Duplicate (labeled RW-15) assumed to be from well RW-14. |
| **RW-14** | 6/30/2006 | -- | 77.46 | 52.33 | **film** | 25.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 4/30/2007 | -- | 77.46 | 48.35 | **film** | 29.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 8/31/2007 | -- | 77.46 | 50.03 | -- | 27.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 10/31/2007 | -- | 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** | 1/24/2008 | -- | 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** | 7/1/2008 | -- | 77.46 | 51.78 | -- | 25.68 | **3,500** | **1,500** | -- | **9** | **100** | **60** | **400** | | -- | |
| **RW-14** | 8/15/2008 | -- | 83.85 | 51.78 | -- | 32.07 | **1,500** | **780** | -- | **20** | **40** | **20** | **100** | -- | -- | |
| **RW-14** | 12/9/2008 | -- | 83.85 | 50.75 | -- | 33.10 | **700/700** | **690/250** | -- | **8/8** | **20/20** | **10/10** | **60/60** | <3/<5 | -- | |
| **RW-14** | 3/18/2009 | -- | 83.85 | 50.59 | -- | 33.26 | **1,600** | **1,700** | -- | **7** | **11** | **16** | **100** | <2.5 | -- | |
| **RW-14** | 6/5/2009 | -- | 83.85 | 50.81 | -- | 33.04 | **1,100** | **530** | -- | **5.7** | **17** | **23** | **130** | -- | -- | |
| **RW-14** | 9/2/2009 | -- | 83.85 | 52.51 | **0.02** | 31.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 12/8/2009 | -- | 83.85 | 51.63 | -- | 32.22 | **19,000** | **2,300** | -- | **83** | **1,800** | **540** | **4,400** | | -- | |
| **RW-14** | 5/17/2010 | -- | 83.85 | 51.06 | -- | 32.79 | **7,200** | **1,500** | -- | **14** | **310** | **240** | **1,700** | -- | -- | |
| **RW-14** | 5/21/2010 | -- | -- | -- | -- | -- | **6,300** | **5,500** | -- | **54** | **240** | **150** | **1,100** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 5/24/2010 | -- | -- | -- | -- | -- | **5,500** | **2,200** | -- | **260** | **470** | **130** | **810** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 5/27/2010 | -- | -- | -- | -- | -- | **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** | 6/3/2010 | -- | -- | -- | -- | -- | **6,700** | **3,100** | -- | **73** | **420** | **150** | **1,300** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 6/9/2010 | -- | -- | -- | -- | -- | **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** | 6/19/2010 | -- | -- | -- | -- | -- | **5,800** | **1,700** | -- | **32** | **450** | **140** | **4,000** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 6/25/2010 | -- | 83.85 | 56.41 | -- | 32.79 | **6,800** | **5,200** | -- | **28** | **280** | **98** | **1,400** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 7/29/2010 | -- | 83.85 | 52.27 | -- | 31.58 | **9,400** | **3,600** | -- | **43** | **310** | **120** | **2,200** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 8/25/2010 | -- | 83.85 | 51.9 | -- | 31.95 | **5,400/1,200** | **4,100/3,600** | -- | **23/19** | **95/52** | **51/15** | **610/210** | -- | -- | |
| **RW-14** | 10/19/2010 | -- | 83.85 | 51.15 | -- | 32.70 | **6,300** | **2,200** | -- | **20** | **52** | **54** | **710** | -- | -- | Sampling performed for post-surfactant injection monitoring. |
| **RW-14** | 4/26/2011 | -- | 83.85 | 51.04 | -- | 32.81 | **2,500** | **2,900** | -- | **13** | **36** | **18** | **610** | -- | -- | |
| **RW-14** | 9/20/2011 | -- | 83.85 | 52.05 | -- | 31.80 | **4,800** | **1,800** | **1,300** | **93** | **370** | **37** | **1,100** | -- | -- | |
| **RW-14** | 5/18/2012 | -- | 83.85 | 51.38 | -- | 32.47 | **1,700** | **990** | **540** | **8.7** | **8.8** | **13** | **78** | -- | -- | |
| **RW-14** | 9/17/2012 | -- | 83.85 | 51.6 | -- | 32.25 | **1,100** | **360** | **120** | **7.6** | <4.0 | **11** | **29** | -- | -- | |
| **RW-14** | 4/30/2013 | -- | 83.85 | 49.8 | -- | 34.05 | **795** | <510 | -- | **7.7** | **1.7** | **22.5** | **95.7** | -- | -- | |
| **RW-14** | 9/17/2013 | -- | 83.85 | 52.05 | -- | 31.80 | **281** | <410 | -- | **6.7** | **1.7** | **11.4** | **28.8** | -- | -- | |
| **RW-14** | 9/17/2013 | -- | 83.85 | 52.05 | -- | 31.80 | **230** | <420 | -- | **19.2** | **26.4** | **10.5** | **37.6** | -- | -- | Duplicate |
| **RW-14** | 4/28/2014 | -- | 83.85 | 50.05 | -- | 33.80 | **443** | **850** | -- | **5.4** | <1.0 | **12.7** | **34.9** | -- | -- | |
| **RW-14** | 4/28/2014 | -- | 83.85 | 50.05 | -- | 33.80 | **436** | **1,000** | -- | **5.4** | <1.0 | **12.6** | **35** | -- | -- | Duplicate |
| **RW-14** | 9/4/2014 | -- | 83.85 | 53.44 | -- | 30.41 | **435** | **1,100** | -- | **5** | <1.0 | **16.8** | **40.2** | -- | -- | |
| **RW-14** | 4/15/2015 | -- | 83.85 | 51.45 | -- | 32.40 | <100 | <400 | -- | **2.9** | <1.0 | **4.4** | **3.5** | -- | -- | |
| **RW-14** | 9/3/2015 | -- | 83.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **RW-14** | 4/13/2016 | -- | 83.85 | 51.36 | -- | 32.49 | **210** | **810** | -- | **3.0** | <0.5 | **3** | **1.0** | -- | -- | |
| **RW-14** | 9/15/2016 | -- | 83.85 | 54.30 | -- | 29.55 | **82** | **89** | -- | **2.0** | <0.5 | **3** | <0.5 | -- | -- | |
| **RW-14** | 5/10/2017 | -- | 83.85 | 52.25 | -- | 31.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **RW-14** | 9/11/2017 | -- | 83.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **RW-14** | 4/6/2018 | -- | 83.85 | -- | -- | -- | **120** | **140 J** | -- | **2.0** | <0.5 | <0.5 | <0.5 | -- | -- | Obstruction, well not gauged |
| **RW-14** | 10/24/2018 | -- | 83.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| **RW-14** | 4/19/2019 | -- | 83.89 | 53.15 | -- | 30.74 | **280** | <560 B | -- | **2** | <0.2 | **7** | <1 | -- | -- | |
| **RW-14** | 9/18/2019 | -- | 83.89 | Dry | -- | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well Dry |
| **RW-14** | 4/9/2020 | -- | 83.89 | 53.10 | 0.00 | 30.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to sample due to pump stuck in well |
| **RW-14** | 10/7/2020 | -- | 83.89 | 53.26 | 0.00 | 30.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to sample due to pump stuck in well |
| **RW-14** | 9/7/2021 | -- | 83.89 | 53.90 | 0.00 | 29.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to sample due to pump stuck in well |

**Table 1. Historical Groundwater Gauging and Analytical Results**
**Third Quarter 2001 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Screen Interval (ft bTOC) | TOC (ft amsl) | DTW (ft bTOC) | LNAPL Thickness (feet) | GW Elev (ft) | TPH-g (µg/L) | TPH-d (µg/L) | TPH-d 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** | 4/9/2020 | -- | -- | -- | -- | -- | <100 | -- | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-TB** | 10/8/2020 | -- | -- | -- | -- | -- | <100 | -- | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-TB** | 4/14/2021 | -- | -- | -- | -- | -- | **11.1 J** | -- | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-TB** | 9/7/2021 | -- | -- | -- | -- | -- | **32.7 J** | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | <5.00 J | <0.00500 J | |
| **QA-TB** | 4/12/2022 | -- | -- | -- | -- | -- | <100 | -- | | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-EB** | 4/8/2020 | -- | -- | -- | -- | -- | <100 | <840 | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-EB** | 10/7/2020 | -- | -- | -- | -- | -- | <100 | <800 | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-EB** | 4/14/2021 | -- | -- | -- | -- | -- | **11.4 J** | <840 | -- | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |
| **QA-EB** | 9/7/2021 | -- | -- | -- | -- | -- | <100 | **520 J** | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | <5.00 | <0.00500 | |
| **QA-EB** | 4/12/2022 | -- | -- | -- | -- | -- | <100 | <888 | | <1.00 | <1.00 | <1.00 | <3.00 | <1.00 | ***<5.00*** | |

**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
Laboratory RDL is greater than the ADEC Groundwater Cleanup Level
<100 = Not detected at or above the reported detection limit (RDL)
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only.

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to State of Alaska Method AK101.
TPH-d = 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
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 2a. Historical Groundwater Analytical Results - Additional VOCs**
**Second Quarter 2020 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | 1,2-Dibromoethane (µg/L) | 1,2-Dichloroethane (µg/L) | 1,2,4-Trimethylbenzene (µg/L) | Tetrachloroethene (µg/L) | Isopropylbenzene (µg/L) | 1,1,2,2-Tetrachloroethane (µg/L) | 1,1,2-Trichloroethane (µg/L) | Chloroform (µg/L) | Vinyl chloride (Chloroethene) (µg/L) | 1,1-Dichloroethane (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADEC Groundwater Cleanup Levels** | | **0.0750** | **1.7** | **56** | **41** | **--** | **0.76** | **0.41** | **2.2** | **0.19** | **28** | |
| **MW-5** | **4/9/2020** | ***<0.500*** | <1.00 | **28.3** | <1.00 | **1.43** | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-5** | **10/7/2020** | ***<0.125*** | **0.977 J** | **108** | <1.00 | **6.96** | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-5** | **9/7/2021** | ***<0.250 [<0.250]*** | <1.00 [1.08] | **113 J [49.7 J]** | <1.00 [<1.00] | **9.24 [9.99]** | ***<1.00 [<1.00]*** | ***<1.00 [<1.00]*** | **2.81 J [2.84 J]** | ***<1.00 [<1.00]*** | <1.00 [<1.00] | |
| **MW-5** | **4/12/2022** | ***<0.250 [<0.250 ]*** | <5.00 **[1.65 J**] | **119[153]** | <5.00 [<10.0 ] | **7.77[9.78 J]** | ***<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** | **1.50 [1.55]** | **0.478 J [0.439 J]** | **8.44 J [12.3 J]** | <1.00 [<5.00] | **1.06 [1.04]** | ***<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** | **1.06 [0.96]** | <1.00 [<1.00] | **9.08 J [4.59 J]** | <1.00 [<1.00] | **0.604 J [0.909 J]** | ***<1.00 [<1.00]*** | ***<1.00 [<1.00]*** | ***<5.00 [<5.00]*** | ***<1.00 [<1.00]*** | <1.00 [<1.00] | |
| **MW-5A** | **4/14/2021** | **0.08** | **0.253 J** | **0.640 J** | <1.00 J | **6.05** | ***<1.00*** | ***<1.00*** | ***<5.00 J*** | ***<1.00 J*** | <1.00 J | |
| **MW-5A** | **9/7/2021** | <0.0500 J | <1.00 | **0.721 J** | <1.00 | **9.17** | ***<1.00*** | ***<1.00*** | ***0.315 J*** | ***<1.00*** | <1.00 | |
| **MW-5A** | **4/12/2022** | **0.09** | **0.195 J** | **2.78** | <1.00 | **2.19** | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-7** | **4/9/2020** | **160** | **158 J** | **3,350** | **150 J** | **142 J** | ***<250*** | ***<250*** | ***<1,250*** | ***<250*** | ***<250*** | |
| **MW-7** | **10/8/2020** | **180** | **152 J** | **2,230** | ***<250*** | **111 J** | ***<250*** | ***<250*** | ***<1,250*** | ***<250*** | ***<250*** | |
| **MW-7** | **4/14/2021** | **370 [380]** | **177 J [140]** | **2,550 [2,570]** | ***<250 [<100]*** | **117 J [116]** | ***<250 [<100]*** | ***<250 [<100]*** | ***<1,250 [<500]*** | ***<250 [<100]*** | ***<250 [<100]*** | |
| **MW-7** | **9/7/2021** | **325** | ***<1,000*** | **1,670** | ***<1,000*** | <1,000 | ***<1,000*** | ***<1,000*** | ***<5,000*** | ***<1,000*** | ***<1,000*** | |
| **MW-7** | **4/12/2022** | **375** | ***<1,000*** | **2,040** | ***<1,000*** | 115 J | ***<1,000*** | ***<1,000*** | ***<5,000*** | ***<1,000*** | ***<1,000*** | |
| **MW-7A** | **4/9/2020** | **8.80** | **10.4** | **883** | <25.0 | **28.7** | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-7A** | **10/8/2020** | **50.0 J** | **31.9** | **1,550** | <25.0 | **18.6 J** | ***<25.0*** | ***<25.0*** | ***<125*** | ***<25.0*** | <25.0 | |
| **MW-7A** | **4/14/2021** | **14** | **11.0 J** | **679** | <25.0 | **7.95 J** | ***<25.0*** | ***<25.0*** | ***<125*** | ***<25.0*** | <25.0 | |
| **MW-7A** | **9/7/2021** | **0.65** | **5.67 J** | **45.4** | <25.0 | <25.0 | ***<25.0*** | ***<25.0*** | ***<125*** | ***<25.0*** | <25.0 | |
| **MW-7A** | **4/12/2022** | **2.25** | **13.7 J** | **1,040** | <25.0 | 8.40 J | ***<25.0*** | ***<25.0*** | ***<125*** | ***<25.0*** | <25.0 | |
| **MW-11** | **4/9/2020** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well vault frozen with ice, Could not free PVC Without damaging it |
| **MW-11** | **10/8/2020** | <0.00500 [<0.00500] | <1.00 [<1.00] | <1.00 [<1.00] | <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-11** | **9/7/2021** | <0.00500 | **0.191 J** | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-11** | **4/12/2022** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00 B*** | ***<1.00*** | <1.00 | |
| **MW-12** | **4/9/2020** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-12** | **10/7/2020** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-12** | **9/7/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-12** | **4/12/2022** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00 B*** | ***<1.00*** | <1.00 | |
| **MW-13** | **4/9/2020** | <0.00500 | **3.05** | **1.47 J** | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-13** | **10/7/2020** | <0.00500 | **0.915 J** | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-13** | **4/14/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-13** | **9/7/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 B | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **MW-13** | **4/12/2022** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00 B*** | ***<1.00*** | <1.00 | |
| **QA-TB** | **4/9/2020** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **QA-TB** | **10/8/2020** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **QA-TB** | **4/14/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **QA-TB** | **9/7/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00 J*** | <1.00 | |
| **QA-TB** | **4/12/2022** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **EQB** | **4/8/2020** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **EQB** | **10/7/2020** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **EQB** | **4/14/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | <1.00 | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **EQB** | **9/7/2021** | <0.00500 | <1.00 | <1.00 | <1.00 | **0.121 J** | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |
| **EQB** | **4/12/2022** | <0.00500 | <1.00 | <1.00 | <1.00 | **<1.00** | ***<1.00*** | ***<1.00*** | ***<5.00*** | ***<1.00*** | <1.00 | |

**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 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
J = The compound was positively identified; however, 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 2b. Historical Groundwater Analytical Results - Additional VOCs**
**Second Quarter 2020 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | 1,2-Dichloropropane (µg/L) | 1,3-Dichlorobenzene (µg/L) | 1,4-Dichlorobenzene (µg/L) | Bromodichloromethane (µg/L) | Bromoform (µg/L) | Bromomethane (Methyl bromide) (µg/L) | Carbon Tetrachloride (µg/L) | Chlorobenzene (µg/L) | Chloromethane (Methyl chloride) (µg/L) | cis-1,2-Dichloroethene (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADEC Groundwater Cleanup Levels** | | **8.2** | **4.7** | **4.8** | **1.3** | **33** | **7.5** | **4.6** | **78** | **190** | **36** | |
| **MW-5** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-5** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <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] | <1.00 [<1.00] | <1.00 [<1.00] | <2.50 [<2.50] | <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 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <12.5 [<25.0 ] | <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] | <1.00 [<1.00] | <1.00 [<1.00] | <2.50 [<2.50] | <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] | <1.00 [<1.00] | <1.00 [<1.00] | <2.50 [<2.50] | **0.236 J** [<1.00] | |
| **MW-5A** | **4/14/2021** | <1.00 J | <1.00 J | <1.00 J | <1.00 J | <1.00 | <5.00 J | <1.00 J | <1.00 J | <2.50 J | <1.00 J | |
| **MW-5A** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | **<1.00** | |
| **MW-5A** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | **<1.00** | |
| **MW-7** | **4/9/2020** | ***<250*** | ***<250*** | ***<250*** | ***<250*** | ***<250*** | ***<1,250*** | ***<250*** | ***<250*** | ***<625*** | ***<250*** | |
| **MW-7** | **10/8/2020** | ***<250*** | ***<250*** | ***<250*** | ***<250*** | ***<250*** | ***<1,250*** | ***<250*** | ***<250*** | ***<625*** | ***<250*** | |
| **MW-7** | **4/14/2021** | ***<250 [<100]*** | ***<250 [<100]*** | ***<250 [<100]*** | ***<250 [<100]*** | ***<250 [<100]*** | ***<1,250 [<500]*** | ***<250 [<100]*** | ***<250 [<100]*** | ***<625 [<250]*** | ***<250 [<100]*** | |
| **MW-7** | **9/7/2021** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<5,000*** | ***<1,000*** | ***<1,000*** | ***<2,500*** | ***<1,000*** | |
| **MW-7** | **4/12/2022** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<5,000*** | ***<1,000*** | ***<1,000*** | ***<2,500*** | ***<1,000*** | |
| **MW-7A** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-7A** | **10/8/2020** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <25.0 | ***<125*** | ***<25.0*** | <25.0 | <62.5 | <25.0 | |
| **MW-7A** | **4/14/2021** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <25.0 | ***<125*** | ***<25.0*** | <25.0 | <62.5 | <25.0 | |
| **MW-7A** | **9/7/2021** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <25.0 | ***<125*** | ***<25.0*** | <25.0 | <62.5 | <25.0 | |
| **MW-7A** | **4/12/2022** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <25.0 | ***<125*** | ***<25.0*** | <25.0 | <62.5 | <25.0 | |
| **MW-11** | **4/9/2020** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well vault frozen with ice, Could not free PVC Without damaging it |
| **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] | <1.00 [<1.00] | <1.00 [<1.00] | <2.50 [<2.50] | <1.00 [<1.00] | |
| **MW-11** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-11** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-12** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-12** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-12** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-12** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-13** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-13** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-13** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-13** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **MW-13** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **QA-TB** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **QA-TB** | **10/8/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **QA-TB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **QA-TB** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 J | <1.00 | |
| **QA-TB** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **EQB** | **4/8/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **EQB** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **EQB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **EQB** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |
| **EQB** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <2.50 | <1.00 | |

**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 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
J = The compound was positively identified; however, 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 2c. Historical Groundwater Analytical Results - Additional VOCs**
**Second Quarter 2020 through 2022**
Chevron Facility 306450
4351 Old International Airport Road
Anchorage, Alaska

| Well ID | Sample Date | Dichlorodifluoromethane (Freon 12) (µg/L) | Methylene chloride (Dichloromethane) (µg/L) | trans-1,3-Dichloropropene (µg/L) | Trichloroethene (Trichloroethylene) (µg/L) | 2-Butanone (Methyl ethyl ketone) (µg/L) | 1,1 Dichloroethene (µg/L) | 1,1,1-Trichloroethane (µg/L) | 1,1,2-Trichlorotrifluoroethane (Freon 113) (µg/L) | 1,2-Dichlorobenzene (o-Dichlorobenzene) (µg/L) | 4-Methyl-2-pentanone (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADEC Groundwater Cleanup Levels** | | **200** | **100** | **4.7** | **2.8** | **--** | **280** | **8,000** | **10,000** | **300** | **6,300** | |
| **MW-5** | **4/9/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-5** | **10/7/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-5** | **9/7/2021** | <5.00 J [<5.00 J] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | <10.0 J [<10.0 J] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | 7.24 J [6.86 J] | |
| **MW-5** | **4/12/2022** | <25.0 J[<50.0 ] | <25.0 [<50.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <50.0 [<100 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <50.0 [<100 ] | |
| **MW-5A** | **4/9/2020** | <5.00 [<5.00] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | <10.0 [<10.0] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <10.0 [<10.0] | |
| **MW-5A** | **10/7/2020** | <5.00 [<5.00] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | **1.45 J** [<10.0] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <10.0 [<10.0] | |
| **MW-5A** | **4/14/2021** | <5.00 J | <5.00 J | <1.00 | <1.00 J | <10.0 | <1.00 J | <1.00 J | <1.00 J | <1.00 | <10.0 | |
| **MW-5A** | **9/7/2021** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 J | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-5A** | **4/12/2022** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-7** | **4/9/2020** | ***<1,250*** | ***<1,250*** | ***<250*** | ***<250*** | <2,500 | <250 | <250 | <250 | **<250** | <2,500 | |
| **MW-7** | **10/8/2020** | ***<1,250*** | **108 J** | ***<250*** | ***<250*** | <2,500 | *<250* | <250 | <250 | **<250** | <2,500 | |
| **MW-7** | **9/7/2021** | ***<5,000 J*** | **<5,000** | ***<1,000*** | ***<1,000*** | <10,000 J | ***<1,000*** | <1,000 | <1,000 | **<1,000** | <10,000 | |
| **MW-7** | **4/12/2022** | ***<5,000*** | **<5,000** | ***<1,000*** | ***<1,000*** | <10,000 | ***<1,000*** | <1,000 | <1,000 | **<1,000** | <10,000 | |
| **MW-7A** | **4/9/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-7A** | **10/8/2020** | <125 | ***<125*** | ***<25.0*** | ***<25.0*** | <250 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | |
| **MW-7A** | **4/14/2021** | <1,250 [<500] | ***<1,250 [<500]*** | ***<250 [<100]*** | ***<250 [<100]*** | <2,500 [<1,000] | <250 [<100] | <250 [<100] | <250 [<100] | <250 [<100] | <2,500 [<1,000] | |
| **MW-7A** | **9/7/2021** | <125 J | ***<125*** | ***<25.0*** | ***<25.0*** | <250 J | <25.0 | <25.0 | <25.0 | <25.0 | <250 | |
| **MW-7A** | **4/12/2022** | <125 | ***<125*** | ***<25.0*** | ***<25.0*** | <250 | <25.0 | <25.0 | <25.0 | <25.0 | <250 | |
| **MW-11** | **4/9/2020** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well vault frozen with ice, Could not free PVC Without damaging it |
| **MW-11** | **10/8/2020** | <5.00 [<5.00] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | <10.0 [<10.0] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <10.0 [<10.0] | |
| **MW-11** | **9/7/2021** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 J | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-11** | **4/12/2022** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-12** | **4/9/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-12** | **10/7/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-12** | **9/7/2021** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 J | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-12** | **4/12/2022** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-13** | **4/9/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-13** | **10/7/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-13** | **4/14/2021** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-13** | **9/7/2021** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 J | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **MW-13** | **4/12/2022** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **QA-TB** | **4/9/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **QA-TB** | **10/8/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **QA-TB** | **4/14/2021** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **QA-TB** | **9/7/2021** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **QA-TB** | **4/12/2022** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **EQB** | **4/8/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **EQB** | **10/7/2020** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **EQB** | **4/14/2021** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **EQB** | **9/7/2021** | <5.00 J | <5.00 | <1.00 | <1.00 | <10.0 J | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |
| **EQB** | **4/12/2022** | <5.00 | <5.00 | <1.00 | <1.00 | <10.0 | <1.00 | <1.00 | <1.00 | <1.00 | <10.0 | |

**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 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
J = The compound was positively identified; however, 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 2d. Historical Groundwater Analytical Results - Additional VOCs**
**Second Quarter 2020 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) | cis-1,3-Dichloropropene (µg/L) | Dibromochloromethane (µg/L) | Acetone (µg/L) | Bromochloromethane (µg/L) | Carbon disulfide (µg/L) | Chloroethane (µg/L) | Styrene (µg/L) | trans-1,2-Dichloroethene (µg/L) | Trichlorofluoromethane (Freon 11) (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADEC Groundwater Cleanup Levels** | | **7** | **4** | **4.7** | **8.7** | **14,000** | **--** | **810** | **--** | **1,200** | **360** | **5,200** | |
| **MW-5** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <5.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-5** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-5** | **9/7/2021** | <1.00[<1.00] | <1.00[<1.00] | <1.00[<1.00] | <1.00[<1.00] | <50.0 [<50.00] | <1.00[<1.00] | <1.00[<1.00] | <5.00 [<5.00] | <1.00[<1.00] | <1.00[<1.00] | <5.00 [<5.00] | |
| **MW-5** | **4/12/2022** | <5.00 [<10.0 ] | <5.00 J[<10.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <250 [<500 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <25.0 [<50.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <25.0 J[<50.0 ] | |
| **MW-5A** | **4/9/2020** | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <50.0 [<50.0] | <5.00 [<5.00] | <1.00 [<1.00] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | <5.00 [<5.00] | |
| **MW-5A** | **10/7/2020** | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <50.0 [<50.0] | <1.00 [<1.00] | <1.00 [<1.00] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | <5.00 [<5.00] | |
| **MW-5A** | **4/14/2021** | <1.00 | <1.00 | <1.00 J | <1.00 | <50.0 | <1.00 J | <1.00 J | <5.00 J | <1.00 J | <1.00 J | <5.00 J | |
| **MW-5A** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-5A** | **4/12/2022** | <1.00 | <1.00 J | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 J | |
| **MW-7** | **4/9/2020** | ***<250*** | ***<250*** | ***<250*** | ***<250*** | **<12,500** | <1,250 | <250 | <1,250 | <250 | <250 | <1,250 | |
| **MW-7** | **10/8/2020** | ***<250*** | ***<250*** | ***<250*** | ***<250*** | **<12,500** | <250 | <250 | <1,250 | <250 | <250 | <1,250 | |
| **MW-7** | **4/14/2021** | ***<250 [<100]*** | ***<250 [<100]*** | ***<250 [<100]*** | ***<250 [<100]*** | <12,500 [<5,000] | <250 [<100] | <250 [<100] | <1,250 [<500] | <250 [<100] | <250 [<100] | <1,250 [<500] | |
| **MW-7** | **9/7/2021** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<1,000*** | <50,000 | <1,000 | <1,000 | <5,000 | <1,000 | <1,000 | <5,000 | |
| **MW-7** | **4/12/2022** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<1,000*** | <50,000 | <1,000 | <1,000 | <5,000 | <1,000 | <1,000 | <5,000 | |
| **MW-7A** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <5.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-7A** | **10/8/2020** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <1,250 | <25.0 | <25.0 | <125 | <25.0 | <25.0 | <125 | |
| **MW-7A** | **4/14/2021** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <1,250 | <25.0 | <25.0 | <125 | <25.0 | <25.0 | <125 | |
| **MW-7A** | **9/7/2021** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <1,250 | <25.0 | <25.0 | <125 | <25.0 | <25.0 | <125 | |
| **MW-7A** | **4/12/2022** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<25.0*** | <1,250 | <25.0 | <25.0 | <125 | <25.0 | <25.0 | <125 | |
| **MW-11** | **4/9/2020** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well vault frozen with ice, Could not free PVC Without damaging it |
| **MW-11** | **10/8/2020** | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <1.00 [<1.00] | <50.0 [<50.0] | <1.00 [<1.00] | <1.00 [<1.00] | <5.00 [<5.00] | <1.00 [<1.00] | <1.00 [<1.00] | <5.00 [<5.00] | |
| **MW-11** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-11** | **4/12/2022** | <1.00 | <1.00 J | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 J | |
| **MW-12** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-12** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-12** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-12** | **4/12/2022** | <1.00 | <1.00 J | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 J | |
| **MW-13** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <5.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-13** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-13** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-13** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-13** | **4/12/2022** | <1.00 | <1.00 J | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 J | |
| **QA-TB** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **QA-TB** | **10/8/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **QA-TB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | 0.111 J | <5.00 | <1.00 | <1.00 | <5.00 | |
| **QA-TB** | **9/7/2021** | <1.00 J | <1.00 J | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 J | <5.00 | <1.00 | <1.00 | <5.00 | |
| **QA-TB** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **EQB** | **4/8/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <5.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **EQB** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **EQB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **EQB** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | 12.6 J | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **EQB** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |

**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 method detection limit (MDL)
**Bold and Shaded** = Value exceeds ADEC Groundwater Cleanup Level
[ ] = Blind Duplicate Sample Result
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D

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

| Well ID | Sample Date | 1,1,1,2-Tetrachloroethane (µg/L) | 1,3-Dichloropropane (µg/L) | 1,3,5-Trimethylbenzene (µg/L) | 4-Isopropyltoluene (µg/L) | n-Butylbenzene (µg/L) | n-Propylbenzene (µg/L) | sec-Butylbenzene (µg/L) | t-Butylbenzene (µg/L) | Methyl-t-butyl ether (µg/L) | 1,1-Dichloropropene (µg/L) | 1,2,3-Trichloropropane (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADEC Groundwater Cleanup Levels** | | **7** | **4** | **4.7** | **8.7** | **14,000** | **--** | **810** | **--** | **1,200** | **360** | **5,200** | |
| **MW-5** | **4/9/2020** | <1.00 | <1.00 | 2.64 | <1.00 | <1.00 | 2.12 | <1.00 | <1.00 | <1.00 | <1.00 | <0.500 | |
| **MW-5** | **10/7/2020** | <1.00 | <1.00 | 14.4 | <1.00 | <1.00 | 11.5 | 0.325 J | <1.00 | <1.00 | <1.00 | <0.125 | |
| **MW-5** | **9/7/2021** | <1.00 [<1.00 ] | <1.00 [<1.00 ] | 18.6[22.7] | <1.00 [<1.00 ] | <1.00 [<1.00 ] | 14.8[17.7] | <1.00 [<1.00 ] | <1.00 [<1.00 ] | <1.00 [<1.00 ] | <1.00 [<1.00 ] | <0.250 [<0.250 ] | |
| **MW-5** | **4/12/2022** | <5.00 [<10.0 ] | <5.00 [<10.0 ] | 8.52[9.36 J] | 3.07 J[<10.0 ] | <5.00 [<10.0 ] | 12.8[11.7 J] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <0.250 [<0.250 ] | |
| **MW-5A** | **4/9/2020** | <1.00 [<1.00 ] | <1.00 [<1.00 ] | 6.73[8.8] | <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 ] | <0.0500 [<0.0500 ] | |
| **MW-5A** | **10/7/2020** | <1.00 [<1.00 ] | <1.00 [<1.00 ] | 24.6 J[11.9 J] | <1.00 [0.974 J] | <1.00 [<1.00 ] | <1.00 [0.102 J] | 0.219 J[0.282 J] | <1.00 [<1.00 ] | <1.00 [<1.00 ] | <1.00 [<1.00 ] | <0.0500 [<0.0500 ] | |
| **MW-5A** | **4/14/2021** | <1.00 | <1.00 | 0.106 J | <1.00 J | 0.909 J | 1.56 J | 2.00 J | <1.00 J | <1.00 | <1.00 J | <0.0500 | |
| **MW-5A** | **9/7/2021** | <1.00 | <1.00 | <1.00 B | <1.00 | 0.870 J | 1.32 | 2.39 | <1.00 | <1.00 | <1.00 | <0.0500 J | |
| **MW-5A** | **4/12/2022** | <1.00 | <1.00 | 1.7 | 1.35 | <1.50 B | 1.03 | 1.66 | <1.00 | <1.00 | <1.00 | 0.0400 J | |
| **MW-7** | **4/9/2020** | ***<250*** | ***<250*** | ***865*** | ***<250*** | **<250** | 317 | <250 | <250 | <250 | <250 | <50.0 | |
| **MW-7** | **10/8/2020** | ***<250*** | ***<250*** | ***488*** | ***<250*** | **<250** | 192 J | <250 | <250 | <250 | <250 | <50.0 | |
| **MW-7** | **4/14/2021** | ***<250 [<100 ]*** | ***<250 [<100 ]*** | ***595[612]*** | ***<250 [<100 ]*** | <250 [<100 ] | 283[301] | <250 [<100 ] | <250 [<100 ] | <250 [<100 ] | <250 [<100 ] | <50.0 [<50.0 ] | |
| **MW-7** | **9/7/2021** | ***<1,000*** | ***<1,000*** | ***477 J*** | ***<1,000*** | <1,000 | 184 J | <1,000 | <1,000 | <1,000 | <1,000 | <25.0 | |
| **MW-7** | **4/12/2022** | ***<1,000*** | ***<1,000*** | ***446 J*** | ***<1,000*** | <1,000 | 191 J | <1,000 | <1,000 | <1,000 | <1,000 | <12.5 | |
| **MW-7A** | **4/9/2020** | <1.00 | <1.00 | 226 | <1.00 | <1.00 | 53.9 | <1.00 | <1.00 | <1.00 | <1.00 | <0.500 | |
| **MW-7A** | **10/8/2020** | ***<25.0*** | ***<25.0*** | ***344*** | ***26.9*** | <25.0 | 16.7 J | <25.0 | <25.0 | <25.0 | <25.0 | <50.0 | |
| **MW-7A** | **4/14/2021** | ***<25.0*** | ***<25.0*** | ***172*** | ***3.30 J*** | <25.0 | 14.8 J | 3.58 J | <25.0 | <25.0 | <25.0 | <5.00 | |
| **MW-7A** | **9/7/2021** | ***<25.0*** | ***<25.0*** | ***11.5 J*** | ***<25.0*** | <25.0 | 2.88 J | <25.0 | <25.0 | <25.0 | <25.0 | <0.250 | |
| **MW-7A** | **4/12/2022** | ***<25.0*** | ***<25.0*** | ***233*** | ***<25.0*** | <25.0 | 9.42 J | 5.78 J | <25.0 | <25.0 | <25.0 | <1.25 | |
| **MW-11** | **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 ]** | **<1.00 [<1.00 ]** | **<0.00500 [<0.0500 ]** | Well vault frozen with ice, Could not free PVC Without damaging it |
| **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 | <0.00500 | |
| **MW-11** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <50.0 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <5.00 | |
| **MW-11** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **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 | <0.00500 | |
| **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 | <0.00500 | |
| **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 | <0.00500 | |
| **MW-12** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **MW-13** | **4/9/2020** | <1.00 | <1.00 | 0.437 J | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **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 | <0.00500 | |
| **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 | <0.00500 | |
| **MW-13** | **9/7/2021** | <1.00 | <1.00 | <1.00 B | <1.00 | <1.00 | <1.00 B | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **MW-13** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **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 | <0.00500 | |
| **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 | <0.00500 | |
| **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 | <0.00500 | |
| **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 | <0.00500 | |
| **QA-TB** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 J | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **EQB** | **4/8/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **EQB** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **EQB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **EQB** | **9/7/2021** | <1.00 | <1.00 | 0.344 J | <1.00 | <1.00 | 0.222 J | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |
| **EQB** | **4/12/2022** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 J | <1.00 | <1.00 | <1.00 | <1.00 | <0.00500 | |

**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 method detection limit (MDL)
**Bold and Shaded** = Value exceeds ADEC Groundwater Cleanup Level
[ ] = Blind Duplicate Sample Result
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D

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

| Well ID | Sample Date | Bromobenzene (µg/L) | Dibromomethane (Methylene bromide) (µg/L) | Hexachlorobutadiene (µg/L) | 1,2-Dibromo-3-chloropropane (DBCP) (µg/L) | o-Chlorotoluene (µg/L) | p-Chlorotoluene (µg/L) | sec-Dichloropropane (µg/L) | Diisopropyl ether (µg/L) | m,p-Xylenes (µg/L) | o-Xylene (µg/L) | Acrylonitrile (µg/L) | 1,2,3-Trimethylbenzene | 2-Propenal | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ADEC Groundwater Cleanup Levels** | | **7** | **4** | **4.7** | **8.7** | **14,000** | **--** | **810** | **--** | **1,200** | **360** | **5,200** | | | |
| **MW-5** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 93.2 | 4.18 | <10.0 | 6.08 | <50.0 | |
| **MW-5** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 316 | 8.88 | <10.0 | 21.1 | <50.0 | |
| **MW-5** | **9/7/2021** | <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 ] | 483 J[215 J] | 9.77[4.89 J] | <10.0 [<10.0 ] | 17.1[20.3] | <50.0 [<50.0 ] | |
| **MW-5** | **4/12/2022** | <5.00 [<10.0 J] | <5.00 [<10.0 ] | <5.00 J[<10.0 J] | <25.0 [<50.0 ] | <5.00 [<10.0 J] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | <5.00 [<10.0 ] | 241[300] | 8.22[10.3] | <50.0 [<100 ] | 14[16.6] | <250 [<500 ] | |
| **MW-5A** | **4/9/2020** | <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 ] | 23.3[22] | 199[176] | <10.0 [<10.0 ] | 55.8[62.3] | <50.0 [<50.0 ] | |
| **MW-5A** | **10/7/2020** | <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 ] | 28.2 J[19.1 J] | 87.5[66.8] | <10.0 [<10.0 ] | 36.8 J[24.3 J] | <50.0 [<50.0 ] | |
| **MW-5A** | **4/14/2021** | <1.00 J | <1.00 J | <1.00 J | <5.00 | <1.00 J | <1.00 J | <1.00 J | <1.00 | 1.37 J | 13.8 J | <10.0 | 14.8 J | <50.0 | |
| **MW-5A** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 1.16 J | 7.75 | <10.0 | 26 | <50.0 | |
| **MW-5A** | **4/12/2022** | <1.00 | <1.00 | <1.00 J | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 3.76 | 4.69 | <10.0 | 2.53 | <50.0 | |
| **MW-7** | **4/9/2020** | ***<250*** | ***<250*** | ***<250*** | ***<1,250*** | ***<250*** | <250 | <250 | <250 | 20,700 | 8,770 | <2,500 | 1,160 | <12,500 | |
| **MW-7** | **10/8/2020** | ***<250*** | ***<250*** | ***<250*** | ***<1,250*** | ***<250*** | <250 | <250 | <250 | 16,400 | 7,570 | <2,500 | 796 | <12,500 | |
| **MW-7** | **4/14/2021** | ***<250 [<100 ]*** | ***<250 [<100 ]*** | ***<250 [<100 ]*** | ***<1,250 [<500 ]*** | <250 [<100 ] | <250 [<100 ] | <250 [<100 ] | <250 [<100 ] | 17,800 [17,100 ] | 7,800 [7,530 ] | <2,500 [<1,000 ] | 651[637] | <12,500 [<5,000 ] | |
| **MW-7** | **9/7/2021** | ***<1,000*** | ***<1,000*** | ***<1,000*** | ***<5,000*** | <1,000 | <1,000 | <1,000 | <1,000 | 12,500 | 6,080 | <10,000 | 534 J | <50,000 | |
| **MW-7** | **4/12/2022** | ***<1,000 J*** | ***<1,000*** | ***<1,000 J*** | ***<5,000*** | <1,000 J | <1,000 | <1,000 | <1,000 | 16,500 | 7,520 | <10,000 | 589 J | <50,000 | |
| **MW-7A** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 2,440 | 1,150 | <10.0 | 280 | <50.0 | |
| **MW-7A** | **10/8/2020** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<125*** | <25.0 | <25.0 | <25.0 | <25.0 | 5,190 | 2,560 | <250 | 525 | <1,250 | |
| **MW-7A** | **4/14/2021** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<125*** | <25.0 | <25.0 | <25.0 | <25.0 | 1,590 | 768 | <250 | 176 | <1,250 | |
| **MW-7A** | **9/7/2021** | ***<25.0*** | ***<25.0*** | ***<25.0*** | ***<125*** | <25.0 | <25.0 | <25.0 | <25.0 | 117 | 50.4 | <250 | 13.1 J | <1,250 | |
| **MW-7A** | **4/12/2022** | ***<25.0 J*** | ***<25.0*** | ***<25.0 J*** | ***<125*** | <25.0 J | <25.0 | <25.0 | <25.0 | 2,420 | 1,280 | <250 | 296 | <1,250 | |
| **MW-11** | **4/9/2020** | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | Well vault frozen with ice, Could not free PVC Without damaging it |
| **MW-11** | **10/8/2020** | <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 ] | <2.00 [<2.00 ] | <1.00 [<1.00 ] | <10.0 [<10.0 ] | <1.00 [<1.00 ] | <50.0 [<50.0 ] | |
| **MW-11** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 B | <50.0 | |
| **MW-11** | **4/12/2022** | <1.00 | <1.00 | <1.00 J | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **MW-12** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **MW-12** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **MW-12** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 B | <50.0 | |
| **MW-12** | **4/12/2022** | <1.00 | <1.00 | <1.00 J | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **MW-13** | **4/9/2020** | <1.00 | <1.00 J | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 1.61 J | 1.13 | <10.0 | 0.681 J | <50.0 | |
| **MW-13** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **MW-13** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | 0.605 J | 0.219 J | <10.0 | 0.155 J | <50.0 | |
| **MW-13** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 B | <50.0 | |
| **MW-13** | **4/12/2022** | <1.00 | <1.00 | <1.00 J | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **QA-TB** | **4/9/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **QA-TB** | **10/8/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **QA-TB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **QA-TB** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <5.00 J | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 J | |
| **QA-TB** | **4/12/2022** | <1.00 J | <1.00 | <1.00 J | <5.00 | <1.00 J | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **EQB** | **4/8/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **EQB** | **10/7/2020** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **EQB** | **4/14/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |
| **EQB** | **9/7/2021** | <1.00 | <1.00 | <1.00 | <5.00 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | 0.366 J | <50.0 | |
| **EQB** | **4/12/2022** | <1.00 J | <1.00 | <1.00 J | <5.00 | <1.00 J | <1.00 | <1.00 | <1.00 | <2.00 | <1.00 | <10.0 | <1.00 | <50.0 | |

**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 method detection limit (MDL)
**Bold and Shaded** = Value exceeds ADEC Groundwater Cleanup Level
[ ] = Blind Duplicate Sample Result
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D

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

| Well | Sample Date | 1-Methyl-naphthlalene | 2-Methyl-naphthlalene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a) anthracene | Benzo(a) pyrene | Benzo(b) fluoranthene | Benzo(g,h,i) perylene | Benzo(k) fluoranthene | Chrysene | Dibenz(a,h) anthracene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 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** | | **11** | **36** | **530** | **260** | **43** | **0.3** | **0.25** | **2.5** | **0.26** | **0.8** | **2** | **0.25** |
| **MW-5** | 5/17/2010 | -- | -- | **0.016** | <0.0094 | <0.0094 | <0.0094 | <0.0094 | -- | -- | -- | -- | -- |
| **MW-5** | 4/26/2011 | -- | -- | <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 | -- | -- | -- | -- | -- |
| **MW-5** | 5/18/2012 | -- | -- | <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 | -- | -- | -- | -- | -- |
| **MW-5** | 4/30/2013 | -- | -- | <0.044 | <0.044 | <0.044 | <0.050 | <0.044 | -- | -- | -- | -- | -- |
| **MW-5** | 4/30/2013 | -- | -- | <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 | -- | -- | -- | -- | -- |
| **MW-5** | 4/29/2014 | **0.12** | **0.11** | <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 | **0.20** | **0.21** | <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 | **0.11** | **0.091** | <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 |
| **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 |
| **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 |
| **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 |
| **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 |
| **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 |
| **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 |
| **MW-5** | 9/18/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-5** | 4/9/2020 | **0.0393 J** | **0.0401 J** | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.278 | <0.0555 | <0.0555 |
| **MW-5** | 10/7/2020 | **0.128 J** | **0.0891 J** | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.263 | <0.0525 | <0.0525 |
| **MW-5** | 9/7/2021 | **0.181 J [0.171 J]** | **0.139 J [0.131 J]** | <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] |
| **MW-5** | 4/12/2022 | **0.188 J[0.150 J]** | **0.152 J[0.120 J]** | <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 ] |
| **MW-7** | 5/17/2010 | -- | -- | **0.48** | **0.40** | **0.55** | **0.12** | **0.12** | -- | -- | -- | -- | -- |
| **MW-7** | 5/18/2012 | -- | -- | **0.18** | <0.096 | <0.096 | <0.096 | <0.096 | -- | -- | -- | -- | -- |
| **MW-7** | 9/17/2012 | -- | -- | **0.19** | **0.12** | <0.0095 | <0.0095 | <0.0095 | -- | -- | -- | -- | -- |
| **MW-7** | 5/1/2013 | -- | -- | **1.2** | **0.063** | <0.044 | <0.044 | <0.044 | -- | -- | -- | -- | -- |
| **MW-7** | 5/1/2013 | -- | -- | **1.3** | **0.071** | <0.044 | <0.044 | <0.044 | -- | -- | -- | -- | -- |
| **MW-7** | 9/17/2013 | -- | -- | **1.0** | **0.061** | <0.045 | <0.045 | <0.045 | -- | -- | -- | -- | -- |
| **MW-7** | 4/29/2014 | **27.7** | **50.4** | **0.93** | **0.059** | <0.043 | <0.043 | <0.043 | <0.043 | <0.043 | <0.043 | <0.043 | <0.043 |
| **MW-7** | 9/4/2014 | Well not sampled, LNAPL present | | | | | | | | | | | |
| **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 |
| **MW-7** | 9/3/2015 | **47.2** | **81.3** | **0.97** | **0.064** | **0.052** | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 | <0.042 |
| **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 |
| **MW-7** | 9/16/2016 | Well not sampled - no specific reason mentioned | | | | | | | | | | | |
| **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 |
| **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 |
| **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 |
| **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 |
| **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 |
| **MW-7** | 9/18/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **MW-7** | 4/9/2020 | **48.4** | **85.1** | **0.211** | <0.0555 | **0.0462 J** | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.278 | <0.0555 | <0.0555 |
| **MW-7** | 10/8/2020 | **45.9** | **77.5** | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.250 | <0.0500 | <0.0500 |
| **MW-7** | 04/14/2021 | **35.1 [57.8]** | **62 [68.4]** | 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] | <0.0525 [<0.0500] | <0.0525 [<0.0500] |
| **MW-7** | 9/7/2021 | **27.10** | **46.20** | <0.0595 | <0.0595 | <0.0595 | <0.0595 | <0.0595 | <0.0595 | <0.0595 | <0.297 | <0.0595 | <0.0595 |
| **MW-7** | 4/12/2022 | **48.1** | **85.7** | <0.500 | <0.500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.250 | <0.0500 | <0.0500 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RW-14** | 4/26/2011 | -- | -- | <0.010 | **0.01** | <0.010 | <0.010 | <0.010 | -- | -- | -- | -- | -- |
| **RW-14** | 9/20/2011 | -- | -- | <0.0098 | <0.0098 | <0.0098 | <0.0098 | <0.0098 | -- | -- | -- | -- | -- |
| **RW-14** | 9/18/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **EQB** | 4/8/2020 | <0.555 | <0.555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.0555 | <0.278 | <0.0555 | <0.0555 |
| **EQB** | 10/7/2020 | <0.525 | <0.525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.0525 | <0.263 | <0.0525 | <0.0525 |
| **EQB** | 04/14/2021 | **0.0229 J** | <0.500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.250 | <0.0500 | <0.0500 |
| **EQB** | 9/7/2021 | <0.500 | <0.500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 0.0196 J | <0.0500 | <0.250 | <0.0500 | <0.0500 |
| **EQB** | 4/12/2022 | <0.500 | <0.500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | <0.250 | <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 compound was positively identified; however, 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

Data QA/QC by: SS 05.20.2020

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

| Well | Sample Date | Fluoranthene | Fluorene | Indeno(1,2,3-cd) pyrene | Naphthalene | Phenanthrene | Pyrene | Comments |
|---|---|---|---|---|---|---|---|---|
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | |
| **ADEC Groundwater Cleanup Levels** | | **260** | **290** | **0.19** | **1.7** | **170** | **120** | |
| **MW-5** | 5/17/2010 | <0.0094 | <0.0094 | <0.0094 | **1.2** | <0.0094 | <0.0094 | |
| **MW-5** | 4/26/2011 | <0.0098 | <0.0098 | **4.00** | <0.0098 | <0.0098 | <0.0098 | |
| **MW-5** | 9/20/2011 | <0.0095 | <0.0095 | <0.0095 | **3.9** | <0.028 | <0.0095 | |
| **MW-5** | 5/18/2012 | <0.010 | <0.010 | <0.010 | **4** | <0.031 | <0.010 | |
| **MW-5** | 9/17/2012 | <0.0095 | <0.0095 | <0.0095 | **3.2** | <0.029 | <0.0095 | |
| **MW-5** | 4/30/2013 | <0.044 | <0.044 | <0.044 | **2** | **0.17** | **0.12** | Analytes collected using low-flow sampling methods |
| **MW-5** | 4/30/2013 | <0.043 | <0.043 | <0.043 | <0.043 | <0.053 | <0.043 | |
| **MW-5** | 9/17/2013 | <0.041 | <0.041 | <0.041 | <0.041 | <0.041 | <0.041 | |
| **MW-5** | 4/29/2014 | <0.043 | <0.043 | <0.043 | **1.0** | <0.043 | <0.043 | |
| **MW-5** | 9/4/2014 | <0.042 | <0.042 | <0.042 | **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 | <0.041 | <0.041 | **3.1** | <0.041 | <0.041 | |
| **MW-5** | 4/13/2016 | <0.11 | <0.11 | <0.11 | **0.12** | <0.0.32 | <0.011 | |
| **MW-5** | 9/16/2016 | <0.0099 | <0.0099 | <0.0099 | **3.0** | <0.030 | <0.0099 | |
| **MW-5** | 5/11/2017 | <0.0098 | <0.0098 | <0.0098 | <0.029 | <0.029 | <0.0098 | |
| **MW-5** | 9/11/2017 | <0.010 | <0.010 | <0.010 | **1.3** | <0.030 | <0.010 | |
| **MW-5** | 4/6/2018 | <0.01 | <0.01 | <0.01 | **0.08** | <0.03 | <0.01 | |
| **MW-5** | 10/24/2018 | <0.1 | <0.1 | <0.1 | **1 J** | <0.1 | <0.1 | |
| **MW-5** | 4/19/2019 | <0.1 | <0.1 | <0.1 | **4.0** | <0.1 | <0.1 | |
| **MW-5** | 9/18/2019 | -- | -- | -- | -- | -- | -- | |
| **MW-5** | 4/9/2020 | <0.0555 | <0.0555 | <0.0555 | **0.674** | <0.0555 | <0.0555 | |
| **MW-5** | 10/7/2020 | <0.0525 B | <0.0525 | <0.0525 | **4.35** | **0.0321 J** | **0.0325 J** | |
| **MW-5** | 9/7/2021 | <0.0500 B [<0.0500] | <0.0500 [<0.0500] | <0.0500 [<0.0500] | **7.2 [6.64]** | <0.0500 [<0.0500] | <0.0500 [<0.0500] | |
| **MW-5** | 4/12/2022 | <0.0500 B[<0.0500 B] | <0.0500 [<0.0500 ] | <0.0500 [<0.0500 ] | **6.39 J[4.58 J]** | 0.0219 J[0.0195 J] | <0.0500 B[<0.0500 B] | |
| **MW-7** | 5/17/2010 | **0.37** | **0.68** | <0.10 | **660** | **1.60** | **0.50** | |
| **MW-7** | 5/18/2012 | <0.096 | **0.19** | <0.096 | **320** | <0.29 | <0.096 | |
| **MW-7** | 9/17/2012 | **0.13** | **0.28** | <0.0095 | **320** | **0.35** | **0.16** | |
| **MW-7** | 5/1/2013 | <0.044 | **0.22** | <0.044 | **236** | **0.053** | <0.044 | Analytes collected using low-flow sampling methods |
| **MW-7** | 5/1/2013 | <0.044 | **0.25** | <0.044 | **261** | **0.065** | <0.044 | |
| **MW-7** | 9/17/2013 | <0.045 | **0.28** | <0.045 | <0.045 | **0.091** | <0.045 | |
| **MW-7** | 4/29/2014 | <0.043 | <0.043 | <0.043 | **230** | **0.060** | <0.043 | |
| **MW-7** | 9/4/2014 | | | | | | | |
| **MW-7** | 4/15/2015 | <0.21 | <0.21 | <0.21 | **279** | <0.21 | <0.21 | |
| **MW-7** | 9/3/2015 | <0.042 | **0.26** | <0.042 | **317** | **0.13** | **0.055** | |
| **MW-7** | 4/13/2016 | <0.10 | <0.10 | <0.10 | **400** | **0.44** | <0.10 | |
| **MW-7** | 9/16/2016 | | | | | | | |
| **MW-7** | 5/11/2017 | <0.096 | **0.21** | <0.096 | **340** | <0.29 | <0.096 | |
| **MW-7** | 9/11/2017 | <0.0095 | **0.1** | <0.0095 | **340** | <0.29 | <0.096 | |
| **MW-7** | 4/6/2018 | **0.07** | <0.01 | 0.01 J | **290** | **0.2** | **0.1** | |
| **MW-7** | 10/24/2018 | **0.1 J** | **0.2 J** | <0.1 | **420 J** | **0.6** | **0.2 J** | |
| **MW-7** | 4/19/2019 | **0.2 J** | **0.4 J** | <0.1 U | **31** | **0.6** | **0.3 J** | |
| **MW-7** | 9/18/2019 | -- | -- | -- | -- | -- | -- | |
| **MW-7** | 4/9/2020 | **0.0223 J** | **0.229** | <0.0555 | **308** | **0.157** | **0.0396 J** | |
| **MW-7** | 10/8/2020 | <0.0631 B | **0.188** | <0.0500 | **381** | <0.0500 | **0.0606** | |
| **MW-7** | 04/14/2021 | <0.0525 B [<0.0500 B] | **0.136 [0.145]** | <0.0525 [<0.0500] | **199 [293]** | <0.0525 [<0.0500] | <0.0525 B [<0.0607 B] | |
| **MW-7** | 9/7/2021 | <0.0595 | **0.133** | <0.0595 | **242** | <0.0595 | <0.0595 | |
| **MW-7** | 4/12/2022 | <0.0500 B | **<0.500** | <0.0500 | **278** | 0.157 | <0.0573 B | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **RW-14** | 4/26/2011 | **0.02** | **0.02** | <0.010 | **1.00** | **0.01** | **0.03** |
| **RW-14** | 9/20/2011 | **0.02** | **0.04** | <0.0098 | **7.4** | **0.04** | **0.03** |
| **RW-14** | 9/18/2019 | -- | -- | -- | -- | -- | -- |
| | | | | | | | |
| **EQB** | 4/8/2020 | <0.0555 | <0.0555 | <0.0555 | <0.555 | <0.0555 | <0.0555 |
| **EQB** | 10/7/2020 | **0.0128 J** | <0.0525 | <0.0525 | <0.525 | <0.0525 | <0.0525 |
| **EQB** | 04/14/2021 | **0.0160 J** | <0.0500 | <0.0500 | <0.500 | <0.0500 | **0.0293 J** |
| **EQB** | 9/7/2021 | 0.0233 J | <0.0500 | <0.0500 | <0.500 | 0.0192 J | 0.0207 J |
| **EQB** | 4/12/2022 | 0.0150 J | <0.0500 | <0.0500 | <0.500 | <0.0500 | 0.0249 J |

Notes:

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(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 compound was positively identified; however, 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

# Attachment D

## ADEC Data Review Checklist

# Laboratory Data Review Checklist

Completed By:

Dilip Kumar H S

Title:

Project Chemist

Date:

May 13, 2024

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1728850

Laboratory Report Date:

04/24/2024

CS Site Name:

First 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:

| |
|---|
| Yes. |

c. Were all corrective actions documented?

Yes☒ No☐ N/A☐ Comments:

| |
|---|
| Yes. |

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

Comments:

| |
|---|
| Data quality or usability was not affected. |

5. Samples Results

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

Yes☒ No☐ N/A☐ Comments:

| |
|---|
| Yes. |

b. Are all applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

| |
|---|
| Yes. |

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

Yes☐ No☐ N/A☒ Comments:

| |
|---|
| No soil samples were submitted for analysis. |

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

Yes☒ No☐ N/A☐ Comments:

| |
|---|
| Yes. |

e. Is the data quality or usability affected?

| |
|---|
| Data quality or usability was not affected. |

6. QC Samples

a. Method Blank

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☒ N/A☐ Comments:

No.

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

Comments:

| Sample ID | Method | Compounds | Sample Result | Qualification |
|---|---|---|---|---|
| MW-5-W-20240423 | 8270E SIM | Phenanthrene | Detected sample results >RL and <BAL | "UB" at the detected sample concentration |

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-5-W-20240423<br>MW-5A-W-20240423<br>MW-7-W-20240423<br>MW-7A-W-20240423<br>MW-9-W-20240423<br>RW-14-W-20240423<br>BD-1-W-20240423<br>EQB-1-W-20240423<br>TRIP BLANK 1-20240423<br>TRIP BLANK 2-20240423<br>TRIP BLANK 3-20240423 | 8260 D | Vinyl chloride | < LL but > 10% | < LL but > 10% |

Note:
LL – Lower 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:

Yes.

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: LCS/LCSD recovery for vinyl chloride were less than the control limit. Samples MW-5-W-20240423, MW-5A-W-20240423, MW-7-W-20240423, MW-7A-W-20240423, MW-9-W-20240423, RW-14-W-20240423, BD-1-W-20240423, EQB-1-W-20240423, TRIP BLANK 1-20240423, TRIP BLANK 2-20240423 and TRIP BLANK 3-20240423 were qualified as estimated (UJ).

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

Yes☒ No☐ N/A☐ Comments:

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

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

**Note: Leave blank if not required for project**

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

Yes☒ No☐ N/A☐ Comments:

The MS/MSD analysis was performed on sample ID MW-5-W-20240423.

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-5-W-20240423.

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 | Compound | MS Recovery | MSD Recovery |
|---|---|---|---|---|
| MW-5-W-20240423 | AK101 | TPHGAK C6 to C10 | AC | < LL but > 10% |

Notes:
LL – Lower 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-5-W-20240423 | Benzo(g,h,i)perylene |
| | Dibenz(a,h)anthracene |
| | Indeno(1,2,3-cd)pyrene |

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:

Recovery:
Method AK101: MSD recovery for TPHGAK C6 to C10 was less than the control limit in sample MW-5-W-20240423. Target compound result in associated sample were qualified as estimated (UJ).
RPD:
Method 8270E SIM: Compounds benzo(g,h,i)perylene, dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene result in sample ID MW-5-W-20240423 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:

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

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

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☐ N/A☒ Comments:

Not applicable.

iv. Is the data quality or usability affected?

Comments:

Data quality or usability was not affected.

e. Trip Blanks

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

Yes☒ No☐ N/A☐ Comments:

Trip blank samples were collected as TRIP BLANK 1-20240423, TRIP BLANK 2-20240423, and TRIP BLANK 3-20240423.

ii. Are all results less than LOQ or RL?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

Data quality or usability was not affected.

iv. Is data quality or usability affected?

Comments:

Data quality or usability was not affected.

f. Field Duplicate

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

Yes☒ No☐ N/A☐ Comments:

| |
|---|
| Yes. |

ii. Was the duplicate submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

| |
|---|
| Yes. |

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

RPD (%) = 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-7A-W-20240423 / BD-1-W-20240423 | 6010D | Lead | 16.8 | 15.9 | AC |
| | | Lead,Dissolved | 16.7 | 16.6 | AC |
| | AK 101 | TPHGAK C6 to C10 | 9560 | 9290 | 2.9% |
| | 8260D | 1,2-Dibromoethane | 16 | 14 | AC |
| | | Benzene | 231 | 240 | AC |
| | | sec-Butylbenzene | 100 U | 6.1 J | AC |
| | | 1,2-Dibromoethane | 100 U | 17 J | AC |
| | | 1,2-Dichloroethane | 100 U | 10.3 J | AC |
| | | Ethylbenzene | 77.4 J | 87.6 | AC |
| | | Isopropylbenzene | 13 J | 15.1 J | AC |
| | | Naphthalene | 500 U | 38.9 J | AC |
| | | n-Propylbenzene | 15.3 J | 17.6 J | AC |
| | | Toluene | 441 | 465 | AC |
| | | 1,2,4-Trimethylbenzene | 874 | 1010 | 14.4% |
| | | 1,2,3-Trimethylbenzene | 270 | 322 | AC |
| | | 1,3,5-Trimethylbenzene | 258 | 306 | AC |
| | | Xylenes, Total | 3070 | 3720 | 19.2% |
| | | o-Xylene | 997 | 1230 | 21% |
| | | m&p-Xylene | 2070 | 2490 | 18.4% |

| | | | | | |
|---|---|---|---|---|---|
| | AK 102/103 | AK102 DRO C10-C25 | 4880 | 5680 | 15.2% |
| | 8270E-SIM | Acenaphthene | 0.126 | 0.149 | AC |
| | | Benzo(a)anthracene | 0.0288 J | 0.0426 J | AC |
| | | Benzo(b)fluoranthene | 0.0525 U | 0.0349 J | AC |
| | | Benzo(g,h,i)perylene | 0.0525 U | 0.0269 J | AC |
| | | Benzo(k)fluoranthene | 0.0525 U | 0.0255 J | AC |
| | | Chrysene | 0.027 J | 0.0459 J | AC |
| | | Fluoranthene | 0.113 | 0.141 | AC |
| | | Fluorene | 0.0828 | 0.0954 | AC |
| | | Indeno(1,2,3-cd)pyrene | 0.0525 U | 0.0296 J | AC |
| | | Naphthalene | 15.4 | 18.9 | 21% |
| | | Phenanthrene | 0.0432 J | 0.0696 | AC |
| | | Pyrene | 0.164 | 0.199 | AC |
| | | 1-Methylnaphthalene | 7.47 | 9.08 | 19.5% |
| | | 2-Methylnaphthalene | 5.53 | 7.26 | 27.1% |

Note:
AC – Acceptable
The field duplicate RPD and difference were 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-20240423. |

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 | Method | Compound | Sample Result | Qualification |
|---|---|---|---|---|
| MW-9-W-20240423 | 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-20240423<br>MW-5A-W-20240423<br>MW-7-W-20240423<br>MW-7A-W-20240423<br>MW-9-W-20240423<br>RW-14-W-20240423<br>BD-1-W-20240423<br>EQB-1-W-20240423<br>TRIP BLANK 1-20240423<br>TRIP BLANK 2-20240423<br>TRIP BLANK 3-20240423 | CCV %D | 1,2,3-Trichlorobenzene | Low |
| | | Bromobenzene | |
| | | Bromomethane | |
| | | Chloroethane | |
| | | Naphthalene | |
| | | Vinyl chloride | |

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-20240423 | Naphthalene | -- | 193 | 193 D |

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-20240423<br>MW-5A-W-20240423<br>MW-7-W-20240423<br>MW-7A-W-20240423<br>MW-9-W-20240423<br>RW-14-W-20240423<br>BD-1-W-20240423<br>EQB-1-W-20240423<br>TRIP BLANK 1-20240423<br>TRIP BLANK 2-20240423<br>TRIP BLANK 3-20240423 | 1,2,3-Trichloropropane |
| | 1,2-Dibromoethane |