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

Arcadis U.S., Inc.
213 Court Street
Middletown
Connecticut 06457
Phone: 860 503 1427
Fax: 860 346 2853
www.arcadis.com

Date: July 18, 2024
Our Ref: 30063655
Subject: Second Quarter 2024 Groundwater Monitoring Report
Chevron - #1252 (Chevron-Branded Service Station #91252)
11836 Old Glenn Highway, Eagle River, Alaska 99577
ADEC File No.: 2107.26.003
ADEC Hazard ID: 23705

Dear Ms. Reams,

On behalf of Chevron Environmental Management Company, Arcadis U.S., Inc. (Arcadis), has prepared this report to document the second quarter 2024 groundwater monitoring activities for the Chevron #1252 (Chevron-Branded Service Station #91252), located at 11836 Old Glenn Highway in Eagle River, 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.

Jill Settle
Project Manager
Email: jill.settle@arcadis.com
Direct Line: 860.503.1427

Copies
James Kiernan, Chevron Environmental Management Company *(electronic copy)*
Mark Engelke, Cook Inlet Marketing Group, Inc. *(electronic copy)*

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: July 18, 2024

SECOND QUARTER 2024 GROUNDWATER MONITORING REPORT

Work Conducted This Period [Second Quarter 2024]:

1. Conducted quarterly groundwater monitoring activities on May 1, 2024.
2. Prepared the *Second Quarter 2024 Groundwater Monitoring Report*.

Work Proposed Next Period [Third Quarter 2024]:

1. Conduct the third quarter 2024 groundwater monitoring activities, if warranted based on ADEC's review of the *Site Closure Request*.
2. Prepare the *Third Quarter* 2024 *Groundwater Monitoring Report,* if warranted based on ADEC's review of the *Site Closure Request.*

Site Description

The site is located in south-central Alaska, east of Cook Inlet and Eagle River. Glacial deposits consisting of sands, gravels, and cobbles were observed in prior site investigations. Static groundwater depths historically range between approximately 15 and 38 feet below top of casing. Groundwater flow has been observed primarily towards the north-northwest. The site operates as a Chevron-branded gasoline station with three underground storage tanks (USTs; two 15,000-gallon gasoline and one 15,000-gallon diesel), four fuel dispenser islands, associated product piping, and a convenience store. Historically, USTs at the sites contained leaded and unleaded gasoline. Petroleum impacts were observed in soil and groundwater during facility upgrades in 1995, and source of impacts is presumed to be USTs, associated dispensers, and product piping.

On March 3, 2023, the Alaska Department of Environmental Conservation (ADEC) approved a *Groundwater Sampling Analyte Reduction Request – Groundwater Sampling Work Plan Addendum* which included monitoring and sampling of monitoring wells MW-2 through MW-6, MW-8 and MW-9 on a quarterly basis, and quarterly gauging of monitoring well MW-1R. The surrounding properties are primarily commercial, and the site is bordered by businesses to the north, south, east, and west. A site location map and site plan are shown as Figures 1 and 2, respectively.

Site Activities this Reporting Period

Current phase of project:	Monitoring
Frequency of monitoring and sampling:	Quarterly
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)	15.40 (MW-8) to 15.98 (MW-9) – Perched well 29.06 (MW-1R) to 30.84 (MW-5) – Aquifer wells
Approximate groundwater elevation: (feet relative to NAVD88)	290.94 (MW-8) to 291.66 (MW-9) – Perched well 276.08 (MW-3) to 278.87 (MW-1R) – Aquifer wells
Groundwater flow direction	North-northwest
Groundwater gradient (feet per foot)	0.022
Current remediation techniques:	None
Summary of unusual activity:	Monitoring wells MW-8 and MW-9 contained insufficient groundwater volume to sample.
Agency directive requirements:	None

Groundwater Gauging and Sampling Methods

On May 1, 2024, the second quarter 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 Standards for Groundwater Sampling and Monitoring wells (Arcadis 2022a).*

Non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water. Groundwater 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 feet. Groundwater quality parameters were monitored during purging with a Horiba U-52 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. Groundwater 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 set to approximately 200 milliliters per minute and groundwater samples were collected into laboratory sample bottles. Groundwater samples were collected from the top foot of

the groundwater column in monitoring wells per the sampling schedule (Table 1) with the following exception: Monitoring wells MW-8 and MW-9 contained insufficient groundwater volume to sample. The groundwater elevation contour map and a rose diagram of historical groundwater flow directions are illustrated on Figure 3.

In a letter dated March 3, 2023, ADEC approved a reduction of analytes for the site. Groundwater samples collected were analyzed by Pace Analytical National Center for Testing & Innovation (Pace) in Mt. Juliet, Tennessee for the following constituents:

- Select volatile organic compounds, by USEPA Method 8260D.
- Ethylene Dibromide (EDB) by USEPA 8011.
- Total petroleum hydrocarbons as diesel range organics (DRO) by Alaska Method AK102.
- Lead and Dissolved Lead by USEPA Method 6010.
- Select Polycyclic Aromatic Hydrocarbon (PAH) by USEPA Method 8270E-SIM.

A groundwater duplicate sample (BD-1) was collected from monitoring well MW-5 and submitted blind with the samples set to Pace. Additionally, an equipment blank (EQB-1) sample was collected, and trip blanks (Trip Blank 1 and Trip Blank 2) 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) were generally non-detect or were reported at concentrations less than the ADEC Oil Pollution Prevention Requirements (18 AAC 75) identified in Table C - Groundwater Cleanup Levels (GCLs). Current groundwater analytical data is summarized in Tables 2 and 3. Only total lead in monitoring well MW-3 exceeded the GCLs; as further discussed below and shown on Figure 4.

- Total lead was reported above the ADEC GCL (15 micrograms per liter [µg/L]) in the groundwater sample from monitoring well MW-3 (28.1 µg/L). Although total lead has been detected in MW-3 during prior events, the reported concentrations have not exceeded the GCL; however, those previous samples were not analyzed for dissolved lead. It should be noted that at the time of sample collection, the measured turbidity in MW-3 was greater than 1,000 Nephelometric Turbidity Units (NTUs), which indicates the presence of suspended soil/sediment in the sample. As shown in Table 2, dissolved lead (filtered) was not detected in MW-3 at or above the reporting limit of 6 µg/L. Based on this information, the reported total lead concentration appears related to elevated turbidity/sediment in the sample and is not representative of actual groundwater conditions.

The laboratory report is included as Attachment B. Historical analytical results (prior to 2023) are presented in Attachment C. Groundwater data since spring 2023 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

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: July 18, 2024

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:
  - The laboratory recovery was greater than the control limit for the compounds benzo(b)fluoranthene, fluorene, and pyrene in sample locations MW-2, MW-3, MW-4, MW-5, BD-1 collected from monitoring well MW-5, MW-6, and equipment blank EQB-1 for USEPA Method 8270E SIM. Detected results in the associated sample locations were qualified as estimated.
  - The percent recoveries reported were within method or laboratory detection limits and project specified objectives.

- Precision:
  - Relative Percent Difference for matrix spike and matrix spike duplicate exceeded for the compounds naphthalene and 2-methylnaphthalene for USEPA Method 8270E SIM. Analytical results in the associated sample locations MW-5 and BD-1 collected from monitoring well MW-5 were qualified as estimated.
  - Based on the laboratory control sample and laboratory control sample duplicate relative percent differences, the data meets precision objectives.

- Comparability:
  - Compound AK102 DRO C_{10}-C_{25} was detected below the reporting limit in equipment blank EQB-1 and method blank for Alaska Method AK 102. Based on blank evaluation, the results for AK102 DRO C_{10}-C_{25} in sample locations MW-2, MW-4, MW-5, and MW-6 were qualified as non-detect.
  - The samples collected during the sampling event have good comparability to previous sampling events conducted at the site, except for the unusually high turbidity noted in sample MW-3 which may have contributed to the elevated total lead concentration in the sample.

- Sensitivity:
  - The concentration of lead exceeded the ADEC GCL in sample location MW-3.
  - 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, except for the elevated concentration of total lead in MW-3 as discussed above.

- Completeness:
  - The results appear to be valid and usable, and thus, the laboratory results have 100 percent completeness.

Investigation Derived Waste

Purge water and decontamination water collected during groundwater sampling was temporarily collected into 5-gallon buckets and treated onsite via a Granular Activated Carbon (GAC) bucket. The treatment of purge water and decontamination water was completed per the Arcadis *Summary of Procedures for Investigation Derived Waste Treatment Utilizing Granular Activated Carbon* (Arcadis 2022b). Approximately 3.3 gallons of groundwater were treated during this event.

Conclusions and Recommendations

The observed groundwater flow direction and hydraulic gradient during this event were generally consistent with historical data. Laboratory analytical results from the monitoring wells are generally consistent with historical data with the exception of the total lead concentration identified at monitoring well MW-3, due to elevated turbidity in the groundwater sample.

Constituents of concern in groundwater have been below the ADEC GCLs since March 2023, with the exception of an anomalous total lead exceedance in MW-3 during the current event. Therefore, Arcadis recommends the discontinuation of groundwater sampling until the March 21, 2024 *Site Closure Request* is reviewed by ADEC.

References

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

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

ADEC. 2023. 18-AAC-75 Oil and Other Hazardous Substances Pollution Control. ADEC. Amended October 18.

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

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

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Date: July 18, 2024

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

Sincerely,

Arcadis U.S., Inc.

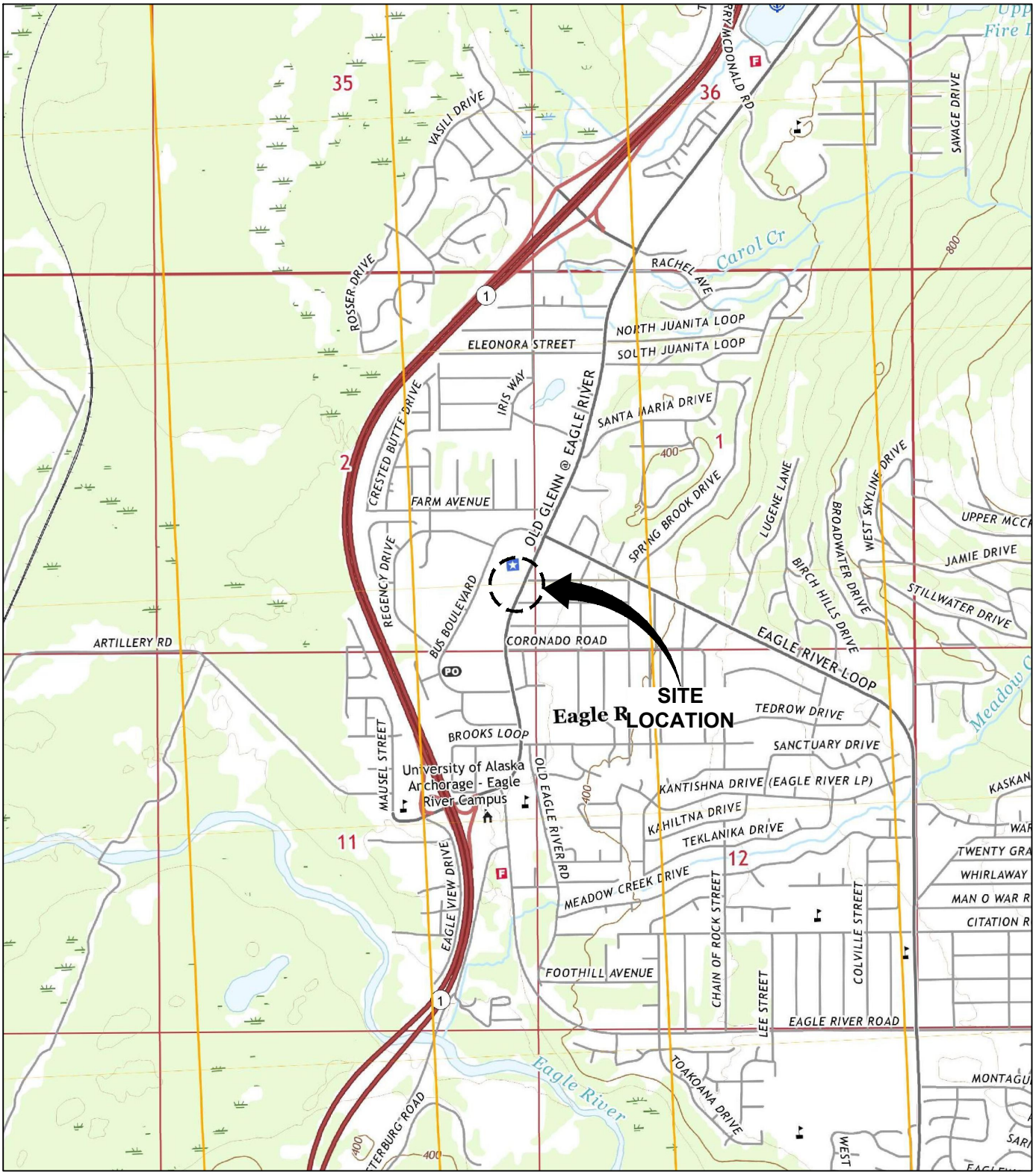
Nate Polen
Associate Project Manager

Jill M. Settle
Certified Project Manager

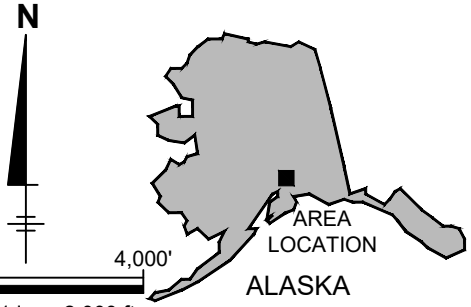
Enclosures:

Figure 1. Site Location Map
Figure 2. Site Plan
Figure 3. Groundwater Elevation Contour Map
Figure 4. Groundwater Analytical Map
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 Gauging and Analytical Results Third Quarter 2003 through 2022
Attachment D. ADEC Data Review

Figures



SOURCE : BASE MAP USGS US TOPO; ANCHORAGE B-7 SW, AK, 2021.



0 2,000' 4,000'

APPROXIMATE SCALE 1 in. = 2,000 ft.

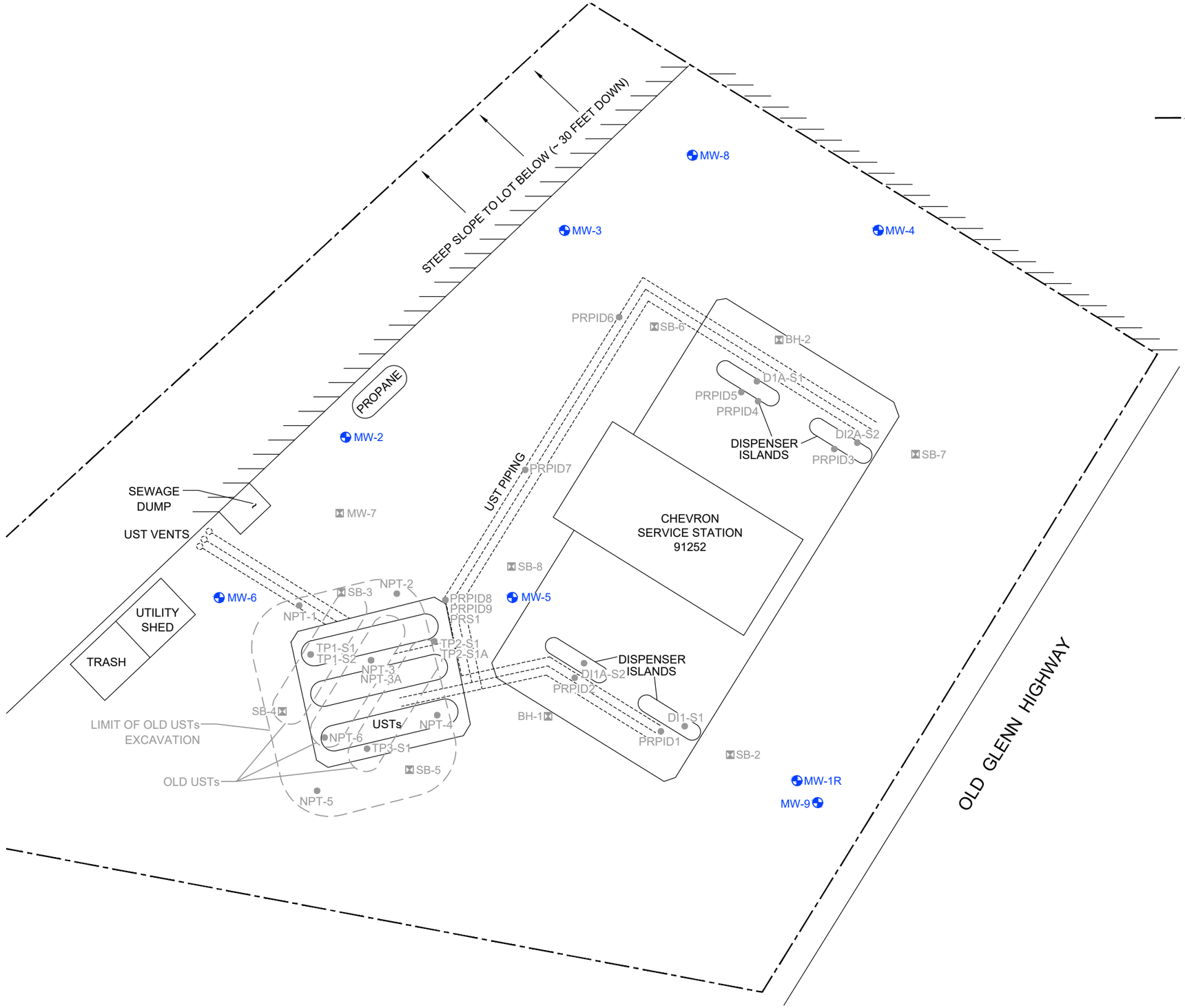
CHEVRON #1252
(CHEVRON-BRANDED SERVICE STATION #91252)
11836 OLD GLENN HIGHWAY
EAGLE RIVER, ALASKA

SITE LOCATION MAP

ARCADIS

FIGURE 1

C:\Users\shankarv\46881DC\ACCDocs\Arcadis ACC USA\US-99999999-CHEV_91252_EAGLE RIVER_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GEN-F01-SITE LOCATION MAP.dwg LAYOUT: 1 SAVED: 4/23/2024 5:20 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
PLOTTED: 4/23/2024 5:29 PM BY: SHANKARAPPA, VASANTH KUMAR
XREFS: IMAGES: PROJECTNAME: ----
AK_Anchorage_B-7_SW_20210721.jpg
Arcadis Logo.png



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-4 GROUNDWATER MONITORING WELL
- SB-7 SOIL BORING LOCATION
- DI1-S1 SOIL SAMPLE LOCATION
- USTs UNDERGROUND STORAGE TANKS

N

NOTES:

1. BASE MAP PROVIDED BY GHD., AT A SCALE OF 1=30'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. MW-7 WAS NOT COMPLETED AS A MONITORING WELL BECAUSE OF UTILITY CONFLICTS

0 25' 50'

APPROXIMATE SCALE: 1 in. = 25 ft.

CHEVRON #1252
(CHEVRON-BRANDED SERVICE STATION #91252)
11836 OLD GLENN HIGHWAY
EAGLE RIVER, ALASKA

SITE PLAN

ARCADIS

FIGURE 2

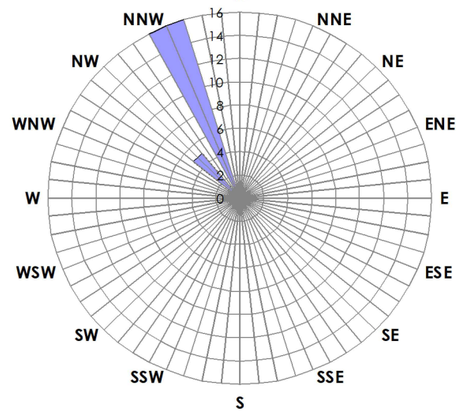
C:\Users\shankarv4688\DC\ACCDocs\Arcadis ACC US\AUS-99999999-CHEV_91252_EAGLE RIVER_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GEN-F02-SITE PLAN.dwg LAYOUT: 2 SAVED: 4/23/2024 5:20 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ---
PLOTTED: 4/23/2024 5:30 PM BY: SHANKARAPPA, VASANTH KUMAR

C:\Users\vp8717\DC\ACCDocs\Arcadis ACC US\AUS-99999999-CHEV_91252_EAGLE RIVER_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-202402-F03-GWE CONTOUR.dwg LAYOUT: 3 SAVED: 6/11/2024 4:52 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
PLOTTED: 6/11/2024 4:53 PM BY: V_PUSHPANJALI

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-4 — GROUNDWATER MONITORING WELL
- USTs — UNDERGROUND STORAGE TANKS
- (278.87) — GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
- 278.50 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 0.022 FT/FT — APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
- NAVD88 — NORTH AMERICAN VERTICAL DATUM OF 1988
- * — WELL NOT USED FOR CONTOURING

N



Groundwater Flow Direction

0 25' 50'

APPROXIMATE SCALE: 1 in. = 25 ft.

CHEVRON #1252
(CHEVRON-BRANDED SERVICE STATION #91252)
11836 OLD GLENN HIGHWAY
EAGLE RIVER, ALASKA

GROUNDWATER ELEVATION CONTOUR MAP MAY 1, 2024

ARCADIS

FIGURE 3

C:\Users\vp8717\DC\ACCDocs\Arcadis ACC USAUS-99999999-CHEV_91252_EAGLE RIVER_AK\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-2024Q2-F04-GWA.dwg LAYOUT: 4 SAVED: 6/11/2024 7:25 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 6/11/2024 7:25 PM BY: V. PUSHPANJALI

MW-3	
Sample Date	05/01/2024
Lead	**28.1**

MW-2	
Sample Date	05/01/2024
Lead	<6.00

MW-6	
Sample Date	05/01/2024
Lead	<6.00

MW-4	
Sample Date	05/01/2024
Lead	<6.00

MW-5	
Sample Date	05/01/2024
Lead	<6.00 [<6.00]

STEEP SLOPE TO LOT BELOW (~30 FEET DOWN)

MW-8 (NS)

MW-3

MW-4

MW-2

PROPANE

SEWAGE DUMP

UST VENTS

MW-6

UTILITY SHED

TRASH

MW-5

UST PIPING

DISPENSER ISLANDS

CHEVRON SERVICE STATION 91252

DISPENSER ISLANDS

USTs

LIMIT OF OLD USTs EXCAVATION

OLD USTs

MW-1R (NS)

MW-9 (NS)

OLD GLENN HIGHWAY

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- MW-4 — GROUNDWATER MONITORING WELL
- USTs — UNDERGROUND STORAGE TANKS
- **BOLD** — INDICATES CONCENTRATION ABOVE THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (ADEC) GROUNDWATER CLEANUP LEVEL
- <6.00 — NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT
- -- — NOT ANALYZED
- [ ] — DUPLICATE SAMPLE RESULTS
- µg/L — MICROGRAMS PER LITER
- (NS) — NOT SAMPLED

N

CONCENTRATION IN (µg/L)

Analyte	ADEC Groundwater Cleanup level (µg/L)
Lead	15

0 25' 50'

APPROXIMATE SCALE: 1 in. = 25 ft.

CHEVRON #1252
(CHEVRON-BRANDED SERVICE STATION #91252)
11836 OLD GLENN HIGHWAY
EAGLE RIVER, ALASKA

GROUNDWATER ANALYTICAL MAP MAY 1, 2024

ARCADIS

FIGURE 4

Tables

Table 1
Groundwater Monitoring Schedule
Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Schedule	Gauge	Sample	Comment
MW-1R	Quarterly	Y	N	Gauge only
MW-2	Quarterly	Y	Y	
MW-3	Quarterly	Y	Y	
MW-4	Quarterly	Y	Y	
MW-5	Quarterly	Y	Y	
MW-6	Quarterly	Y	Y	
MW-8	Quarterly	Y	Y	Not enough water to sample
MW-9	Quarterly	Y	Y	Not enough water to sample
BD-1	Quarterly	N	Y	

Note:

Wells sampled for select volatile organic compounds including benzene, toluene, ethylbenzene, total xylenes and 1,2-dichloroethane by United States Environmental Protection Agency (USEPA) Method 8260D, Ethylene Dibromide by USEPA Method 8011, polycyclic aromatic hydrocarbons by USEPA Method 8270E-SIM, Total Lead and Dissolved Lead by USEPA Method 6010D and total petroleum hydrocarbons diesel range organics by Alaska Method AK102.

Table 2
Current Groundwater Gauging and Primary Analytical Results
Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (feet)	DTW (feet bTOC)	GW Elev. (feet)	DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Lead	Dissolved Lead	Comments
ADEC Groundwater Cleanup Levels					**1,500**	**4.6**	**1,100**	**15**	**190**	**0.075**	**1.7**	**15**	**15**	
MW-1R	05/01/24	307.93	29.06	278.87	--	--	--	--	--	--	--	--	--	Gauge only
MW-2	05/01/24	307.03	30.65	276.38	<800 B	<1.00	<1.00	<1.00	<3.00	**0.0138 J**	**0.222 J**	<6.00	**3.74 J**	
MW-3	05/01/24	306.64	30.56	276.08	**1,270**	<1.00	<1.00	<1.00	<3.00	<0.0206	<1.00	**28.1**	<6.00	
MW-4	05/01/24	307.66	30.70	276.96	<800 B	<1.00	<1.00	<1.00	<3.00	<0.0204	<1.00	<6.00	<6.00	
MW-5	05/01/24	308.00	30.84	277.16	<992 B	**0.253 J**	<1.00	<1.00	<3.00	<0.0214	<1.00	<6.00	**8.90**	
Duplicate (MW-5)	05/01/24	--	--	--	**1,310**	**0.274 J**	<1.00	<1.00	<3.00	<0.0204	**0.615 J**	<6.00	**4.00 J**	
MW-6	05/01/24	306.87	30.14	276.73	<800 B	<1.00	<1.00	<1.00	<3.00	<0.0202	<1.00	<6.00	**5.83 J**	
MW-8	05/01/24	306.34	15.40	290.94	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	05/01/24	307.64	15.98	291.66	--	--	--	--	--	--	--	--	--	Not enough water to sample

Notes:
1. DRO analyzed by Alaska Method AK102.
2. Lead and Lead, Dissolved analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. EDB analyzed by USEPA Method 8011.
4. 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 Shaded = Value exceeds ADEC Groundwater Cleanup Level
feet = Relative to NAVD88 for TOC and GW Elev.

Acronyms and Abbreviations:
-- = Not Available or Not Analyzed
Duplicate () = Blind Duplicate sample Result
<1.00 = 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
DTW = Depth to groundwater
DRO = Total petroleum hydrocarbons, diesel range organics
EDB = Ethylene Dibromide
EDC = 1,2-Dichloroethane
GW Elev. = Groundwater elevation
ID = Identification
J = The associated numerical value is an estimated concentration only
MDL = Method detection limit
MW = Groundwater monitoring well
NAVD 88 = North American Vertical Datum of 1988
RDL = Reporting detection limit
TOC = Top of casing
USEPA = U.S. Environmental Protection Agency
VOCs = Volatile organic compounds

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

Table 3
Current Groundwater Additional Analytical Results
Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene
ADEC Groundwater Cleanup Levels		530	260	43	0.3	0.25	2.5	0.26	0.8	750	2.0
MW-1R	05/01/24	--	--	--	--	--	--	--	--	--	--
MW-2	05/01/24	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.273	<0.545	<0.0545
MW-3	05/01/24	<0.0540	<0.0540	<0.0540	<0.0540	<0.0540	**0.0452 J**	**0.103**	<0.270	<0.540	**0.0203 J**
MW-4	05/01/24	<0.0515	<0.0515	<0.0515	<0.0515	<0.0515	<0.0515	<0.0515	<0.258	<0.515	<0.0515
MW-5	05/01/24	**0.132**	<0.0545	**0.0345 J**	<0.0545	<0.0545	<0.0545	<0.0545	<0.273	**0.0627 J**	<0.0545
Duplicate (MW-5)	05/01/24	**0.0851**	<0.0550	<0.0550	<0.0550	<0.0550	<0.0550	<0.0550	<0.275	**0.0440 J**	<0.0550
MW-6	05/01/24	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	**0.0377 J**	<0.273	<0.545	<0.0545
MW-8	05/01/24	--	--	--	--	--	--	--	--	--	--
MW-9	05/01/24	--	--	--	--	--	--	--	--	--	--

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

Table 3
Current Groundwater Additional Analytical Results
Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Dibenz(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Comments
ADEC Groundwater Cleanup Levels		0.25	260	290	0.19	11	36	1.7	170	120	
MW-1R	05/01/24	--	--	--	--	--	--	--	--	--	Gauge only
MW-2	05/01/24	<0.0545	**0.0144 J**	<0.0545	<0.0545	<0.545	<0.545	<0.545	<0.0545	<0.0545	
MW-3	05/01/24	<0.0540	**0.0463 J**	<0.0540	**0.0295 J**	<0.540	<0.540	<0.540	**0.0297 J**	**0.0890 J**	
MW-4	05/01/24	<0.0515	**0.0238 J**	<0.0515	<0.0515	<0.515	<0.515	<0.515	**0.0218 J**	**0.0263 J**	
MW-5	05/01/24	<0.0545	<0.0545	**0.967 J**	<0.0545	<0.545	<0.545 J	<0.545 J	**0.558**	<0.0545	
Duplicate (MW-5)	05/01/24	<0.0550	<0.0550	**0.694 J**	<0.0550	<0.550	<0.550 J	<0.550 J	**0.370**	<0.0550	
MW-6	05/01/24	<0.0545	**0.0230 J**	<0.0545	<0.0545	<0.545	<0.545	<0.545	<0.0545	**0.0313 J**	
MW-8	05/01/24	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	05/01/24	--	--	--	--	--	--	--	--	--	Not enough water to sample

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

Table 3 Notes
Current Groundwater Additional Analytical Results
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Notes:

1. Constituents of concern analyzed by USEPA Method 8270E-SIM.
2. All results reported in micrograms per liter.

Bold = Detected above laboratory method detection limit (MDL)

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed
Duplicate () = Blind Duplicate sample Result
<0.0500 = Not detected at or above the reported detection limit (RDL)
µg/L = Micrograms per liter
ADEC = Alaska Department of Environmental Conservation
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

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 Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (feet)	DTW (feet bTOC)	GW Elev. (feet)	DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	Lead	Comments
ADEC Groundwater Cleanup Levels					1,500	4.6	1,100	15	190	0.075	1.7	15	
MW-1R	03/23/23	307.58	30.40	277.18	--	--	--	--	--	--	--	--	Gauge only
MW-1R	05/04/23	307.58	29.23	278.35	--	--	--	--	--	--	--	--	Gauge only
MW-1R	08/09/23	307.58	30.09	277.49	--	--	--	--	--	--	--	--	Gauge only
MW-1R	10/18/23	307.93	29.73	278.20	--	--	--	--	--	--	--	--	Gauge only
MW-1R	03/28/24	307.93	29.95	277.98	--	--	--	--	--	--	--	--	Gauge only
MW-1R	05/01/24	307.93	29.06	278.87	--	--	--	--	--	--	--	--	Gauge only
MW-2	03/23/23	306.78	32.20	274.58	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-2	05/04/23	306.78	30.96	275.82	<800 B	<1.00	<1.00	<1.00	<3.00	**0.0100**	<1.00	**4.46 J**	
MW-2	08/09/23	306.78	31.73	275.05	**170 J**	<1.00	<1.00	<1.00	<3.00	<0.00500 J	<1.00	<6.00	
MW-2	10/18/23	307.03	31.48	275.55	<800 J	<1.00	<1.00	<1.00	<3.00	<0.0226	**0.113 J**	<6.00	
MW-2	03/28/24	307.03	31.86	275.17	--	--	--	--	--	--	--	--	Could not be sampled. Well Frozen
MW-2	05/01/24	307.03	30.65	276.38	<800 B	<1.00	<1.00	<1.00	<3.00	**0.0138 J**	**0.222 J**	<6.00	
MW-3	03/23/23	306.56	33.75	272.81	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	**3.98 J**	
MW-3	05/04/23	306.56	31.24	275.32	***<8,000 B J***	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	**11.7**	PVC casing cut down
MW-3	08/09/23	306.56	32.84	273.72	**528 J**	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-3	10/18/23	306.64	32.55	274.09	***<1,520 B***	<1.00	<1.00	<1.00	<3.00	<0.0206	**0.105 J**	**4.64 J**	
MW-3	03/28/24	306.64	--	--	--	--	--	--	--	--	--	--	Could not be sampled. Well Frozen
MW-3	05/01/24	306.64	30.56	276.08	**1,270**	<1.00	<1.00	<1.00	<3.00	<0.0206	<1.00	**28.1**	
MW-4	03/23/23	307.41	31.63	275.78	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-4	05/04/23	307.41	30.80	276.61	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-4	08/09/23	307.41	31.45	275.96	**222 J**	**0.111 J**	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-4	10/18/23	307.66	32.19	275.47	<888 B	<1.00	<1.00	<1.00	<3.00	<0.0224	<1.00	<6.00	
MW-4	03/28/24	307.66	31.35	276.31	<952 B	<1.00	<1.00	<1.00	<3.00	<0.0202	<1.00	<6.00	
MW-4	05/01/24	307.66	30.70	276.96	<800 B	<1.00	<1.00	<1.00	<3.00	<0.0204	<1.00	<6.00	
MW-5	03/23/23	307.78	31.68	276.10	<800 B	**0.301 J**	<1.00 J	<1.00 J	<3.00 J	<0.00500	**0.484 J**	<6.00	
Duplicate (MW-5)	03/23/23	--	--	--	<800 B	**0.234 J**	<1.00	**0.381 J**	**1.47 J**	<0.00500	<1.00	<6.00	
MW-5	05/04/23	307.78	30.94	276.84	**1,310**	**0.305 J**	<1.00	<1.00	<3.00	<0.00500 J	**0.707 J**	<6.00	
Duplicate (MW-5)	05/04/23	--	--	--	**1,300**	**0.273 J**	<1.00	<1.00	<3.00	<0.00500	**0.733 J**	**5.17 J**	
MW-5	08/09/23	307.78	31.36	276.42	**1,280**	**0.558 J**	<1.00	<1.00	<3.00	<0.00500	**0.636 J**	<6.00	
Duplicate (MW-5)	08/09/23	--	--	--	**1,040**	**0.553 J**	<1.00	<1.00	<3.00	<0.00500	**0.607 J**	<6.00	
MW-5	10/18/23	308.00	31.16	276.84	***<1,950 B***	**0.722 J**	<1.00	<1.00	<3.00	<0.0214	**0.751 J**	**3.75 J**	
Duplicate (MW-5)	10/18/23	--	--	--	**570 J**	**0.733 J**	<1.00	<1.00	<3.00	<0.0220	0.827 J	<6.00	
MW-5	03/28/24	308.00	31.34	276.66	<952 B	**0.396 J**	**0.765 J**	**0.201 J**	**1.24 J**	<0.0200	<1.00	**4.26 J**	
Duplicate (MW-5)	03/28/24	--	--	--	<1,000 B	**0.368 J**	**0.640 J**	**0.170 J**	**0.858 J**	<0.0208	<1.00	<6.00	
MW-5	05/01/24	308.00	30.84	277.16	<992 B	**0.253 J**	<1.00	<1.00	<3.00	<0.0214	<1.00	<6.00	
Duplicate (MW-5)	05/01/24	--		--	**1,310**	**0.274 J**	<1.00	<1.00	<3.00	<0.0204	**0.615 J**	<6.00	
MW-6	03/23/23	306.64	31.51	275.13	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-6	05/04/23	306.64	30.44	276.20	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	<6.00	
MW-6	08/09/23	306.64	--	--	--	--	--	--	--	--	--	--	Not gauged nor sampled, vault flooded
MW-6	10/18/23	306.87	30.80	276.07	<888 B	<1.00	<1.00	<1.00	<3.00	<0.0216	<1.00	<6.00	
MW-6	03/28/24	306.87	31.12	275.75	<976 B	<1.00	<1.00	<1.00	<3.00	<0.0204	<1.00	<6.00	
MW-6	05/01/24	306.87	30.14	276.73	<800 B	<1.00	<1.00	<1.00	<3.00	<0.0202	<1.00	<6.00	
MW-8	03/23/23	--	16.28	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-8	05/04/23	--	14.90	--	<800 B	<1.00	<1.00	<1.00	<3.00	<0.00500	<1.00	**69.7**	
MW-8	08/09/23	--	15.83	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-8	10/18/23	306.34	15.83	290.51	--	--	--	--	--	--	--	--	Not enough water to sample
MW-8	03/28/24	306.34	--	--	--	--	--	--	--	--	--	--	Could not locate
MW-8	05/01/24	306.34	15.40	290.94	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	03/23/23	--	16.22	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	05/04/23	--	16.25	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	08/09/23	--	16.12	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	10/18/23	307.64	16.10	291.54	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	03/28/24	307.64	16.03	291.61	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	05/01/24	307.64	15.98	291.66	--	--	--	--	--	--	--	--	Not enough water to sample

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

Table 4 Notes
Historical Groundwater Gauging and Primary Analytical Results
First Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Notes:

1. DRO analyzed by Alaska Method AK102.
2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. EDB analyzed by USEPA Method 8011.
4. 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 Elev.

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed
Duplicate () = Blind Duplicate sample Result
<1.00 = 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
DTW = Depth to groundwater
DRO = Total petroleum hydrocarbons, diesel range organics
EDB = Ethylene Dibromide
EDC = 1,2-Dichloroethane
GW Elev. = Groundwater elevation
ID = Identification
J = The associated numerical value is an estimated concentration only
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 5
Historical Groundwater Additional Analytical Results
First Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene
ADEC Groundwater Cleanup Levels		**530**	**260**	**43**	**0.3**	**0.25**	**2.5**	**0.26**	**0.8**	**750**	**2.0**
MW-1R	03/23/23	--	--	--	--	--	--	--	--	--	--
MW-1R	05/04/23	--	--	--	--	--	--	--	--	--	--
MW-1R	08/09/23	--	--	--	--	--	--	--	--	--	--
MW-1R	10/18/23	--	--	--	--	--	--	--	--	--	--
MW-1R	03/28/24	--	--	--	--	--	--	--	--	--	--
MW-1R	05/01/24	--	--	--	--	--	--	--	--	--	--
MW-2	03/23/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-2	05/04/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-2	08/09/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-2	10/18/23	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.278	<0.555	<0.0555
MW-2	03/28/24	--	--	--	--	--	--	--	--	--	--
MW-2	05/01/24	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.273	<0.545	<0.0545
MW-3	03/23/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0218 J**	**0.0375 J**	<0.250	<0.500	<0.0500
MW-3	05/04/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0203 J**	**0.0367 J**	<0.250	<0.500	<0.0500
MW-3	08/09/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-3	10/18/23	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	**0.0461 J**	**0.0819**	<0.278	<0.555	**0.0327 J**
MW-3	03/28/24	--	--	--	--	--	--	--	--	--	--
MW-3	05/01/24	<0.0540	<0.0540	<0.0540	<0.0540	<0.0540	**0.0452 J**	**0.103**	<0.270	<0.540	**0.0203 J**
MW-4	03/23/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-4	05/04/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-4	08/09/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-4	10/18/23	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.0525	<0.263	<0.525	<0.0525
MW-4	03/28/24	<0.0555	<0.0555	<0.0555 B	<0.128 B	<0.0957 B	<0.143 B	<0.131 B	<0.278 B	<0.555	<0.183 B
MW-4	05/01/24	<0.0515	<0.0515	<0.0515	<0.0515	<0.0515	<0.0515	<0.0515	<0.258	<0.515	<0.0515

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

Table 5
Historical Groundwater Additional Analytical Results
First Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Dibenz(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Comments
ADEC Groundwater Cleanup Levels		**0.25**	**260**	**290**	**0.19**	**11**	**36**	**1.7**	**170**	**120**	
MW-1R	03/23/23	--	--	--	--	--	--	--	--	--	Gauge only
MW-1R	05/04/23	--	--	--	--	--	--	--	--	--	Gauge only
MW-1R	08/09/23	--	--	--	--	--	--	--	--	--	Gauge only
MW-1R	10/18/23	--	--	--	--	--	--	--	--	--	Gauge only
MW-1R	03/28/24	--	--	--	--	--	--	--	--	--	Gauge only
MW-1R	05/01/24	--	--	--	--	--	--	--	--	--	Gauge only
MW-2	03/23/23	<0.0500	**0.0140 J**	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	<0.0500	
MW-2	05/04/23	<0.0500	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	<0.0500	
MW-2	08/09/23	<0.0500	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	**0.0230 J**	<0.0500	
MW-2	10/18/23	<0.0555	<0.0555 B	<0.0555	<0.0555	<0.555	<0.555	<0.555	<0.0555	<0.0555	
MW-2	03/28/24	--	--	--	--	--	--	--	--	--	Could not be sampled. Well Frozen
MW-2	05/01/24	<0.0545	**0.0144 J**	<0.0545	<0.0545	<0.545	<0.545	<0.545	<0.0545	<0.0545	
MW-3	03/23/23	<0.0500	**0.0195 J**	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	**0.0389 J**	
MW-3	05/04/23	<0.0500	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	**0.0406 J**	PVC casing cut down
MW-3	08/09/23	<0.0500	<0.0935 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	**0.0672**	**0.163**	
MW-3	10/18/23	<0.0555	<0.721 B	<0.0555	**0.0298 J**	<0.555	<0.555	<0.555	<0.0555 B	**0.118**	
MW-3	03/28/24	--	--	--	--	--	--	--	--	--	Could not be sampled. Well Frozen
MW-3	05/01/24	<0.0540	**0.0463 J**	<0.0540	**0.0295 J**	<0.540	<0.540	<0.540	**0.0297 J**	**0.0890 J**	
MW-4	03/23/23	<0.0500	**0.0152 J**	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	**0.0196 J**	
MW-4	05/04/23	<0.0500	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500	<0.0500	
MW-4	08/09/23	<0.0500	<0.0500 B	<0.0500	<0.0500	**0.0255 J**	**0.0412 J**	<0.500	**0.0184 J**	<0.0500	
MW-4	10/18/23	<0.0525	<0.0525 B	<0.0525	<0.0525	<0.525	<0.525	<0.525	<0.0525 B	**0.0277 J**	
MW-4	03/28/24	<0.143 B	**0.419**	<0.0555 B	<0.159 B	<0.555	<0.555	<0.555	<0.130 B	<0.323 B	
MW-4	05/01/24	<0.0515	**0.0238 J**	<0.0515	<0.0515	<0.515	<0.515	<0.515	**0.0218 J**	**0.0263 J**	

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

Table 5
Historical Groundwater Additional Analytical Results
First Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	2-Chloro-naphthalene	Chrysene
ADEC Groundwater Cleanup Levels		**530**	**260**	**43**	**0.3**	**0.25**	**2.5**	**0.26**	**0.8**	**750**	**2.0**
MW-5	03/23/23	**0.0387 J**	**0.0386 J**	**0.0306 J**	<0.0500 J	<0.0500 J	<0.0500 J	<0.0500 J	<0.250 J	**0.0434 J**	<0.0500
Duplicate (MW-5)	03/23/23	<0.0500	**0.0332 J**	**0.0293 J**	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	**0.0354 J**	<0.0500
MW-5	05/04/23	**0.0676**	<0.0500	**0.0371 J**	<0.0500 J	<0.0500 J	<0.0500 J	<0.0500 J	<0.250 J	**0.0596 J**	<0.0500 J
Duplicate (MW-5)	05/04/23	**0.0708**	<0.0500	**0.0348 J**	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	**0.0551 J**	<0.0500
MW-5	08/09/23	**0.0675**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0206 J**	<0.250	<0.500	<0.0500
Duplicate (MW-5)	08/09/23	**0.0663**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-5	10/18/23	**0.107**	<0.0525	**0.0786**	<0.0525	<0.0525	<0.0525	<0.0525	<0.263	<0.525	<0.0525
Duplicate (MW-5)	10/18/23	**0.0680**	<0.0500	**0.0368 J**	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	**0.0337 J**	<0.0500
MW-5	03/28/24	**0.0703 J**	<0.0555 B J	<0.0555 B J	<0.0555 J	<0.0555 R	<0.0555 R	<0.0555 R	<0.278 R	<0.555 B J	<0.0555 J
Duplicate (MW-5)	03/28/24	**0.0684 J**	<0.0555 J	<0.0555 B J	<0.0555 J	<0.0555 R	<0.0555 R	<0.0555 R	<0.278 R	<0.555 J	<0.0555 J
MW-5	05/01/24	**0.132**	<0.0545	**0.0345 J**	<0.0545	<0.0545	<0.0545	<0.0545	<0.273	**0.0627 J**	<0.0545
Duplicate (MW-5)	05/01/24	**0.0851**	<0.0550	<0.0550	<0.0550	<0.0550	<0.0550	<0.0550	<0.275	**0.0440 J**	<0.0550
MW-6	03/23/23	<0.0500	**0.0258 J**	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-6	05/04/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	**0.0318 J**	<0.250	<0.500	<0.0500
MW-6	08/09/23	--	--	--	--	--	--	--	--	--	--
MW-6	10/18/23	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.500	<0.0500
MW-6	03/28/24	**0.0304 J**	<0.0500 B	<0.0531 B	<0.0653 B	<0.0500 B	<0.0696 B	<0.0655 B	<0.250 B	<0.500 B	<0.0708 B
MW-6	05/01/24	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	<0.0545	**0.0377 J**	<0.273	<0.545	<0.0545
MW-8	03/23/23	--	--	--	--	--	--	--	--	--	--
MW-8	05/04/23	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.0555	<0.278	<0.555	<0.0555
MW-8	08/09/23	--	--	--	--	--	--	--	--	--	--
MW-8	10/18/23	--	--	--	--	--	--	--	--	--	--
MW-8	03/28/24	--	--	--	--	--	--	--	--	--	--
MW-8	05/01/24	--	--	--	--	--	--	--	--	--	--
MW-9	03/23/23	--	--	--	--	--	--	--	--	--	--
MW-9	05/04/23	--	--	--	--	--	--	--	--	--	--
MW-9	08/09/23	--	--	--	--	--	--	--	--	--	--
MW-9	10/18/23	--	--	--	--	--	--	--	--	--	--
MW-9	03/28/24	--	--	--	--	--	--	--	--	--	--
MW-9	05/01/24	--	--	--	--	--	--	--	--	--	--

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

Table 5
Historical Groundwater Additional Analytical Results
First Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Dibenz(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene	Comments
ADEC Groundwater Cleanup Levels		0.25	260	290	0.19	11	36	1.7	170	120	
MW-5	03/23/23	<0.0500 J	<0.0500 J	**0.309 J**	<0.0500 J	**0.0256 J**	<0.500 J	<0.500 J	**0.317 J**	<0.0500 J	
Duplicate (MW-5)	03/23/23	<0.0500	**0.0110 J**	**0.387**	<0.0500	<0.500	<0.500	<0.500	**0.414**	<0.0500	
MW-5	05/04/23	<0.0500 J	<0.0500 B	**0.668**	<0.0500 J	<0.500	<0.500	<0.500	**0.532**	**0.0199 J**	
Duplicate (MW-5)	05/04/23	<0.0500	<0.0500 B	**0.652**	<0.0500	<0.500	<0.500	<0.500	**0.516**	**0.0202 J**	
MW-5	08/09/23	<0.0500	<0.0500B	**0.432**	**0.0208 J**	<0.500	<0.500	**0.191 J**	**0.309**	<0.0500	
Duplicate (MW-5)	08/09/23	<0.0500	<0.0500B	**0.446**	<0.0500	<0.500	<0.500	**0.187 J**	**0.344**	<0.0500	
MW-5	10/18/23	<0.0525	<0.0525 B	**0.656 J**	<0.0525	<0.525 B	<0.525	**0.196 J**	<0.707 B J	**0.0248 J**	
Duplicate (MW-5)	10/18/23	<0.0500	<0.0500 B	**0.398 J**	<0.0500	<0.500	<0.500	**0.128 J**	**0.316 J**	<0.0500	
MW-5	03/28/24	<0.0555 R	<0.0555 B J	**0.623 J**	<0.0555 R	<0.555 J	<0.555 J	**0.204 J**	**0.463 J**	<0.0555 J	
Duplicate (MW-5)	03/28/24	<0.0555 R	<0.0555 B J	**0.671 J**	<0.0555 R	**0.0320 J**	<0.555 J	**0.234 J**	**0.561 J**	<0.0555 J	
MW-5	05/01/24	<0.0545	<0.0545	**0.967 J**	<0.0545	<0.545	<0.545 J	<0.545 J	**0.558**	<0.0545	
Duplicate (MW-5)	05/01/24	<0.0550	<0.0550	**0.694 J**	<0.0550	<0.550	<0.550 J	<0.550 J	**0.370**	<0.0550	
MW-6	03/23/23	<0.0500	**0.0194 J**	<0.0500	<0.0500	<0.500	<0.500	<0.500	**0.0454 J**	**0.0329 J**	
MW-6	05/04/23	<0.0500	<0.0500 B	<0.0500	**0.0209 J**	<0.500	<0.500	<0.500	<0.0500	**0.0244 J**	
MW-6	08/09/23	--	--	--	--	--	--	--	--	--	Not gauged nor sampled, vault flooded
MW-6	10/18/23	<0.0500	<0.0500 B	<0.0500	<0.0500	<0.500	<0.500	<0.500	<0.0500 B	**0.0174 J**	
MW-6	03/28/24	<0.755 B	<0.0707 B	<0.0500 B	<0.0500	**0.0328 J**	**0.0392 J**	<0.500	<0.0684 B	<0.0660 B	
MW-6	05/01/24	<0.0545	**0.0230 J**	<0.0545	<0.0545	<0.545	<0.545	<0.545	<0.0545	**0.0313 J**	
MW-8	03/23/23	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-8	05/04/23	<0.0555	<0.0555 B	<0.0555	<0.0555	<0.555	<0.555	<0.555	<0.0555	<0.0555	
MW-8	08/09/23	--	--	--	--	**--**	**--**	--	**--**	--	Not enough water to sample
MW-8	10/18/23	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-8	03/28/24	--	--	--	--	--	--	--	--	--	Could not locate
MW-8	05/01/24	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	03/23/23	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	05/04/23	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	08/09/23	--	--	--	--	**--**	**--**	--	**--**	--	Not enough water to sample
MW-9	10/18/23	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	03/28/24	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	05/01/24	--	--	--	--	--	--	--	--	--	Not enough water to sample

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

Table 5 Notes
Historical Groundwater Additional Analytical Results
First Quarter 2023 through Second Quarter 2024
Chevron #1252
(Chevron-Branded Service Station #91252)
11836 Old Glenn Highway
Eagle River, Alaska

Notes:

1. Constituents of concern analyzed by USEPA Method 8270E-SIM.
2. 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

Acronyms and Abbreviations:

-- =	Not Available or Not Analyzed
Duplicate () =	Blind Duplicate sample Result
<0.0500 =	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
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

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 : 30063655

Prepared By: Evan Wujcik

Site ID: 91252

Site Name: Chevron - 91252

City: Eagle River

State: Alaska

Project Manager: Gerald Robinson

Portfolio: COP 3.0

Subportfolio: West

Inside Chevron Operational Control? Yes ☐ No ☑

Staff on Site

Evan Wujcik,

Weather(°F)	PPE	Equipment
CLOUDS, T:49.32 °F, rH:46%, Clouds: 100%, Wind:16.11mph E-SE		Water Quality Meter (i.e. YSI), Interface Probe (IP), Bladder Pump, Photoionization Detector (PID)

Date	Time	Description of Activities
05/01/2024	6:00	Arrive on site Locate wells MW8 and 9 not enough water to sample
05/01/2024	7:00	Sample MW4 Decon equipment See COC for analysis
05/01/2024	7:45	Sample MW6 Decon equipment See COC for analysis
05/01/2024	8:30	Sample MW2 Decon equipment See COC for analysis
05/01/2024	9:15	Sample MW3 Decon equipment See COC for analysis
05/01/2024	10:00	Sample MW5 BD/MS/MSD samples collected from this location Decon equipment See COC for analysis
05/01/2024	11:00	Load vehicle Mobilize offsite

Signature

Groundwater Gauging Log

Project Number	30063655
Client:	Chevron
Site ID:	91252
Site Location:	Eagle River, Alaska
Measuring Point:	Top of Casing
Date(s):	05/01/2024
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-1R	05/01/2024	06:15	29.06	ND	38.20	0	--	--
MW-2	05/01/2024	06:22	30.65	ND	38.40	0	--	--
MW-3	05/01/2024	06:48	30.56	ND	37.00	0	--	--
MW-4	05/01/2024	06:07	30.70	ND	44.00	0	--	--
MW-5	05/01/2024	06:09	30.84	ND	42.50	0	--	--
MW-6	05/01/2024	06:24	30.14	ND	40.50	0	--	--
MW-8	05/01/2024	06:18	15.40	ND	16.30	0	--	Not enough water to sample
MW-9	05/01/2024	06:16	15.98	ND	16.15	0	--	Not enough water to sample

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

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063655	**Well ID**	MW-3	**Date**	5/1/2024		
Site Location	Eagle River, Alaska	**Site ID**	91252	**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)	30.56	**Total Depth (ft-bmp)**	37	**Water Column (ft)**	6.44	**Gallons in Well**	1.05
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	09:15	**Well Volumes Purged**	0.75	**Sample ID**	MW-3-W-20240501	**Purge Equipment**	Bladder
Purge Start	08:50	**Gallons Purged**	0.79	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	09:10	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
08:53	200	30.57	7.55	5.67	1000	2.22	5.83	135	--
08:56	200	30.58	7.41	5.65	1000	1.61	5.76	136	--
08:59	200	30.59	7.37	5.65	1000	1.51	5.73	137	--
09:02	200	30.6	7.37	5.66	1000	1.50	5.67	137	--

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-3-W-20240501	Sample Time:	09:15	Sample Depth (ft-bmp) (e.g. pump intake):	31
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	30.6

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	30063655	**Well ID**	MW-2	**Date**	5/1/2024		
Site Location	Eagle River, Alaska	**Site ID**	91252	**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)	30.65	**Total Depth (ft-bmp)**	38.4	**Water Column (ft)**	7.75	**Gallons in Well**	1.26
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	08:30	**Well Volumes Purged**	0.50	**Sample ID**	MW-2-W-20240501	**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	30.66	6.93	5.92	89.9	2.22	6.32	141	--
08:06	200	30.67	6.85	6.17	88.8	2.05	6.35	144	--
08:09	200	30.68	6.86	6.31	62.1	1.97	6.38	143	--
08:12	200	30.69	6.88	6.36	50.2	1.93	6.38	138	--
08:15	200	30.69	6.90	6.39	39.2	1.90	6.38	138	--

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-2-W-20240501	Sample Time:	08:30	Sample Depth (ft-bmp) (e.g. pump intake):	31
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	30.69

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	30063655	**Well ID**	MW-6	**Date**	5/1/2024		
Site Location	Eagle River, Alaska	**Site ID**	91252	**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)	30.14	**Total Depth (ft-bmp)**	40.5	**Water Column (ft)**	10.36	**Gallons in Well**	1.68
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:45	**Well Volumes Purged**	0.38	**Sample ID**	MW-6-W-20240501	**Purge Equipment**	Bladder
Purge Start	07:20	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	07:40	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
07:23	200	30.15	7.64	1.14	1000	1.53	6.02	97	--
07:26	200	30.15	7.60	1.24	1000	1.37	5.98	96	--
07:29	200	30.17	7.55	1.26	1000	1.24	5.97	98	--
07:32	200	30.18	7.51	1.28	1000	1.26	5.90	102	--

Comments: None

Well Casing Volume Conversion

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

Sample Information

Sample ID: MW-6-W-20240501 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 30.18

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	30063655	**Well ID**	MW-4	**Date**	5/1/2024		
Site Location	Eagle River, Alaska	**Site ID**	91252	**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)	30.7	**Total Depth (ft-bmp)**	44	**Water Column (ft)**	13.3	**Gallons in Well**	2.16
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	07:00	**Well Volumes Purged**	0.29	**Sample ID**	MW-4-W-20240501	**Purge Equipment**	Bladder
Purge Start	06:30	**Gallons Purged**	0.63	**Duplicate ID**	--	**Sample Equipment**	Bladder
Purge End	06:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
06:33	200	30.72	8.40	0.743	9.4	3.61	6.15	119	--
06:36	200	30.73	8.34	0.740	6.9	3.17	6.04	115	--
06:39	200	30.74	8.36	0.740	4.5	3.05	5.95	109	--
06:42	200	30.75	8.36	0.742	4.1	2.89	5.95	107	--

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-4-W-20240501	Sample Time:	07:00	Sample Depth (ft-bmp) (e.g. pump intake):	31.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	30.75

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	30063655	**Well ID**	MW-5	**Date**	5/1/2024		
Site Location	Eagle River, Alaska	**Site ID**	91252	**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)	30.84	**Total Depth (ft-bmp)**	42.5	**Water Column (ft)**	11.66	**Gallons in Well**	1.89
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:00	**Well Volumes Purged**	0.34	**Sample ID**	MW-5-W-20240501	**Purge Equipment**	Bladder
Purge Start	09:30	**Gallons Purged**	0.63	**Duplicate ID**	BD/MS/MSD	**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	30.85	7.34	14.7	179	0.00	6.58	12	--
09:36	200	30.86	7.36	15.4	63.9	0.00	6.63	-7	--
09:39	200	30.88	7.37	15.6	35.0	0.00	6.64	-11	--
09:42	200	30.89	7.36	15.7	24.5	0.00	6.66	-15	--

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-20240501	Sample Time:	10:00	Sample Depth (ft-bmp) (e.g. pump intake):	31.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	30.89

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 20, 2024

Arcadis - Chevron - AK

Sample Delivery Group:	L1731946
Samples Received:	05/02/2024
Project Number:	30063655.19.45
Description:	91252
Site:	11836 OLD GLENN HWY EAGLE RIV
Report To:	Jill Settle 880 H St. Anchorage, AK 99501

Entire Report Reviewed By:

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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

TABLE OF CONTENTS

MW-2-W-20240501 L1731946-01 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 08:30 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280622	1	05/09/24 13:59	05/09/24 23:28	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280647	1	05/09/24 09:32	05/09/24 20:39	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/07/24 23:06	05/07/24 23:06	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.08	05/07/24 07:25	05/08/24 06:23	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280153	1	05/04/24 08:35	05/06/24 07:53	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.09	05/08/24 09:17	05/09/24 04:04	DSH	Mt. Juliet, TN

MW-3-W-20240501 L1731946-02 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 09:15 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280622	1	05/09/24 13:59	05/09/24 23:29	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280647	1	05/09/24 09:32	05/09/24 20:42	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/07/24 23:26	05/07/24 23:26	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.03	05/07/24 07:25	05/08/24 06:37	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280153	1	05/04/24 08:35	05/06/24 08:13	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.08	05/08/24 09:17	05/10/24 03:54	MKM	Mt. Juliet, TN

MW-4-W-20240501 L1731946-03 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 07:00 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280622	1	05/09/24 13:59	05/09/24 23:31	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280647	1	05/09/24 09:32	05/09/24 20:46	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/07/24 23:45	05/07/24 23:45	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.02	05/07/24 07:25	05/08/24 05:56	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280153	1	05/04/24 08:35	05/06/24 08:33	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.03	05/08/24 09:17	05/08/24 23:29	DSH	Mt. Juliet, TN

MW-5-W-20240501 L1731946-04 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 10:00 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280623	1	05/09/24 10:51	05/09/24 23:45	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280647	1	05/09/24 09:32	05/09/24 19:16	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2282762	1	05/09/24 04:32	05/09/24 04:32	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.07	05/07/24 07:25	05/08/24 05:29	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280160	1.11	05/08/24 12:13	05/08/24 15:48	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.09	05/08/24 09:17	05/09/24 03:05	JCH	Mt. Juliet, TN

MW-6-W-20240501 L1731946-05 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 07:45 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280622	1	05/09/24 13:59	05/09/24 23:33	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280647	1	05/09/24 09:32	05/09/24 20:50	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/08/24 00:23	05/08/24 00:23	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.01	05/07/24 07:25	05/08/24 06:50	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280160	1	05/08/24 12:13	05/08/24 16:49	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.09	05/08/24 09:17	05/10/24 03:35	MKM	Mt. Juliet, TN

SAMPLE SUMMARY

BD-1-W-20240501 L1731946-06 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 00:00 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280622	1	05/09/24 13:59	05/09/24 23:35	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280648	1	05/10/24 10:21	05/10/24 14:41	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/08/24 00:43	05/08/24 00:43	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.02	05/07/24 07:25	05/08/24 07:04	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280160	1.11	05/08/24 12:13	05/08/24 17:09	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.1	05/08/24 09:17	05/09/24 04:23	JCH	Mt. Juliet, TN

EQB-W-20240501 L1731946-07 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 11:00 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2280622	1	05/09/24 13:59	05/09/24 23:36	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2280648	1	05/10/24 10:21	05/10/24 14:44	ZSA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/07/24 22:47	05/07/24 22:47	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1	05/07/24 07:25	05/08/24 07:17	LTB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2280160	1.11	05/08/24 12:13	05/08/24 17:29	MAA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2282225	1.04	05/08/24 09:17	05/08/24 23:49	DSH	Mt. Juliet, TN

TRIP BLANK 1_20240501 L1731946-08 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 00:00 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/07/24 22:08	05/07/24 22:08	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.01	05/07/24 07:25	05/08/24 07:31	LTB	Mt. Juliet, TN

TRIP BLANK 2_20240501 L1731946-09 GW

Collected by: E. Wujcik | Collected date/time: 05/01/24 00:00 | Received date/time: 05/02/24 13:35

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2281522	1	05/07/24 22:27	05/07/24 22:27	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2281440	1.03	05/07/24 07:25	05/08/24 07:44	LTB	Mt. Juliet, TN

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

Brian Ford
Project Manager

Semi-Volatile Organic Compounds (GC) by Method AK102

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2280160	AK102 DRO C10-C25	L1731946-04, 05, 06, 07

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

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

Batch	Analyte	Lab Sample ID
WG2282225	p-Terphenyl-d14	(LCS) R4067629-1

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

Batch	Lab Sample ID	Analytes
WG2282225	(LCS) R4067629-1, L1731946-01, 02, 03, 04, 05, 06, 07	Benzo(b)fluoranthene, Fluorene and Pyrene

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

Batch	Lab Sample ID	Analytes
WG2282225	(MSD) R4067629-4, (MSD) R4067629-6, L1731946-04	13 analytes

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	05/09/2024 20:39	WG2280647
Lead,Dissolved	3.74	J	2.99	6.00	1	05/09/2024 23:28	WG2280622

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	05/07/2024 23:06	WG2281522
Toluene	U		0.278	1.00	1	05/07/2024 23:06	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/07/2024 23:06	WG2281522
Total Xylenes	U		0.174	3.00	1	05/07/2024 23:06	WG2281522
1,2-Dichloroethane	0.222	J	0.0819	1.00	1	05/07/2024 23:06	WG2281522
(S) Toluene-d8	*102*			*80.0-120*		*05/07/2024 23:06*	WG2281522
(S) 4-Bromofluorobenzene	*97.2*			*77.0-126*		*05/07/2024 23:06*	WG2281522
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/07/2024 23:06*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.0138	J	0.00579	0.0216	1.08	05/08/2024 06:23	WG2281440

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	296	J	170	800	1	05/06/2024 07:53	WG2280153
(S) o-Terphenyl	*68.2*			*50.0-150*		*05/06/2024 07:53*	WG2280153

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		0.0207	0.0545	1.09	05/09/2024 04:04	WG2282225
Acenaphthene	U		0.0207	0.0545	1.09	05/09/2024 04:04	WG2282225
Acenaphthylene	U		0.0185	0.0545	1.09	05/09/2024 04:04	WG2282225
Benzo(a)anthracene	U		0.0218	0.0545	1.09	05/09/2024 04:04	WG2282225
Benzo(a)pyrene	U		0.0196	0.0545	1.09	05/09/2024 04:04	WG2282225
Benzo(b)fluoranthene	U	J4	0.0185	0.0545	1.09	05/09/2024 04:04	WG2282225
Benzo(g,h,i)perylene	U		0.0196	0.0545	1.09	05/09/2024 04:04	WG2282225
Benzo(k)fluoranthene	U		0.0218	0.273	1.09	05/09/2024 04:04	WG2282225
Chrysene	U		0.0196	0.0545	1.09	05/09/2024 04:04	WG2282225
Dibenz(a,h)anthracene	U		0.0196	0.0545	1.09	05/09/2024 04:04	WG2282225
Fluoranthene	0.0144	J	0.0120	0.0545	1.09	05/09/2024 04:04	WG2282225
Fluorene	U	J4	0.0185	0.0545	1.09	05/09/2024 04:04	WG2282225
Indeno(1,2,3-cd)pyrene	U		0.0196	0.0545	1.09	05/09/2024 04:04	WG2282225
Naphthalene	U		0.140	0.545	1.09	05/09/2024 04:04	WG2282225
Phenanthrene	U		0.0196	0.0545	1.09	05/09/2024 04:04	WG2282225
Pyrene	U	J4	0.0185	0.0545	1.09	05/09/2024 04:04	WG2282225
1-Methylnaphthalene	U		0.0218	0.545	1.09	05/09/2024 04:04	WG2282225
2-Methylnaphthalene	U		0.0305	0.545	1.09	05/09/2024 04:04	WG2282225
2-Chloronaphthalene	U		0.0131	0.545	1.09	05/09/2024 04:04	WG2282225
(S) Nitrobenzene-d5	*88.0*			*11.0-135*		*05/09/2024 04:04*	WG2282225
(S) 2-Fluorobiphenyl	*77.9*			*32.0-120*		*05/09/2024 04:04*	WG2282225
(S) p-Terphenyl-d14	*69.1*			*23.0-122*		*05/09/2024 04:04*	WG2282225

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	28.1		2.99	6.00	1	05/09/2024 20:42	WG2280647
Lead,Dissolved	U		2.99	6.00	1	05/09/2024 23:29	WG2280622

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/07/2024 23:26	WG2281522
Toluene	U		0.278	1.00	1	05/07/2024 23:26	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/07/2024 23:26	WG2281522
Total Xylenes	U		0.174	3.00	1	05/07/2024 23:26	WG2281522
1,2-Dichloroethane	U		0.0819	1.00	1	05/07/2024 23:26	WG2281522
(S) Toluene-d8	*100*			*80.0-120*		*05/07/2024 23:26*	WG2281522
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*05/07/2024 23:26*	WG2281522
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/07/2024 23:26*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00552	0.0206	1.03	05/08/2024 06:37	WG2281440

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	1270		170	800	1	05/06/2024 08:13	WG2280153
(S) o-Terphenyl	*65.3*			*50.0-150*		*05/06/2024 08:13*	WG2280153

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		0.0205	0.0540	1.08	05/10/2024 03:54	WG2282225
Acenaphthene	U		0.0205	0.0540	1.08	05/10/2024 03:54	WG2282225
Acenaphthylene	U		0.0184	0.0540	1.08	05/10/2024 03:54	WG2282225
Benzo(a)anthracene	U		0.0216	0.0540	1.08	05/10/2024 03:54	WG2282225
Benzo(a)pyrene	U		0.0194	0.0540	1.08	05/10/2024 03:54	WG2282225
Benzo(b)fluoranthene	0.0452	J J4	0.0184	0.0540	1.08	05/10/2024 03:54	WG2282225
Benzo(g,h,i)perylene	0.103		0.0194	0.0540	1.08	05/10/2024 03:54	WG2282225
Benzo(k)fluoranthene	U		0.0216	0.270	1.08	05/10/2024 03:54	WG2282225
Chrysene	0.0203	J	0.0194	0.0540	1.08	05/10/2024 03:54	WG2282225
Dibenz(a,h)anthracene	U		0.0194	0.0540	1.08	05/10/2024 03:54	WG2282225
Fluoranthene	0.0463	J	0.0119	0.0540	1.08	05/10/2024 03:54	WG2282225
Fluorene	U	J4	0.0184	0.0540	1.08	05/10/2024 03:54	WG2282225
Indeno(1,2,3-cd)pyrene	0.0295	J	0.0194	0.0540	1.08	05/10/2024 03:54	WG2282225
Naphthalene	U		0.138	0.540	1.08	05/10/2024 03:54	WG2282225
Phenanthrene	0.0297	J	0.0194	0.0540	1.08	05/10/2024 03:54	WG2282225
Pyrene	0.0890	J4	0.0184	0.0540	1.08	05/10/2024 03:54	WG2282225
1-Methylnaphthalene	U		0.0216	0.540	1.08	05/10/2024 03:54	WG2282225
2-Methylnaphthalene	U		0.0302	0.540	1.08	05/10/2024 03:54	WG2282225
2-Chloronaphthalene	U		0.0130	0.540	1.08	05/10/2024 03:54	WG2282225
(S) Nitrobenzene-d5	*85.6*			*11.0-135*		*05/10/2024 03:54*	WG2282225
(S) 2-Fluorobiphenyl	*59.5*			*32.0-120*		*05/10/2024 03:54*	WG2282225
(S) p-Terphenyl-d14	*44.6*			*23.0-122*		*05/10/2024 03:54*	WG2282225

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	U		2.99	6.00	1	05/09/2024 20:46	WG2280647
Lead,Dissolved	U		2.99	6.00	1	05/09/2024 23:31	WG2280622

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/07/2024 23:45	WG2281522
Toluene	U		0.278	1.00	1	05/07/2024 23:45	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/07/2024 23:45	WG2281522
Total Xylenes	U		0.174	3.00	1	05/07/2024 23:45	WG2281522
1,2-Dichloroethane	U		0.0819	1.00	1	05/07/2024 23:45	WG2281522
(S) Toluene-d8	*99.2*			*80.0-120*		*05/07/2024 23:45*	WG2281522
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*05/07/2024 23:45*	WG2281522
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*05/07/2024 23:45*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00547	0.0204	1.02	05/08/2024 05:56	WG2281440

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	219	J	170	800	1	05/06/2024 08:33	WG2280153
(S) o-Terphenyl	*69.8*			*50.0-150*		*05/06/2024 08:33*	WG2280153

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		0.0196	0.0515	1.03	05/08/2024 23:29	WG2282225
Acenaphthene	U		0.0196	0.0515	1.03	05/08/2024 23:29	WG2282225
Acenaphthylene	U		0.0175	0.0515	1.03	05/08/2024 23:29	WG2282225
Benzo(a)anthracene	U		0.0206	0.0515	1.03	05/08/2024 23:29	WG2282225
Benzo(a)pyrene	U		0.0185	0.0515	1.03	05/08/2024 23:29	WG2282225
Benzo(b)fluoranthene	U	J4	0.0175	0.0515	1.03	05/08/2024 23:29	WG2282225
Benzo(g,h,i)perylene	U		0.0185	0.0515	1.03	05/08/2024 23:29	WG2282225
Benzo(k)fluoranthene	U		0.0206	0.258	1.03	05/08/2024 23:29	WG2282225
Chrysene	U		0.0185	0.0515	1.03	05/08/2024 23:29	WG2282225
Dibenz(a,h)anthracene	U		0.0185	0.0515	1.03	05/08/2024 23:29	WG2282225
Fluoranthene	0.0238	J	0.0113	0.0515	1.03	05/08/2024 23:29	WG2282225
Fluorene	U	J4	0.0175	0.0515	1.03	05/08/2024 23:29	WG2282225
Indeno(1,2,3-cd)pyrene	U		0.0185	0.0515	1.03	05/08/2024 23:29	WG2282225
Naphthalene	U		0.132	0.515	1.03	05/08/2024 23:29	WG2282225
Phenanthrene	0.0218	J	0.0185	0.0515	1.03	05/08/2024 23:29	WG2282225
Pyrene	0.0263	J J4	0.0175	0.0515	1.03	05/08/2024 23:29	WG2282225
1-Methylnaphthalene	U		0.0206	0.515	1.03	05/08/2024 23:29	WG2282225
2-Methylnaphthalene	U		0.0288	0.515	1.03	05/08/2024 23:29	WG2282225
2-Chloronaphthalene	U		0.0124	0.515	1.03	05/08/2024 23:29	WG2282225
(S) Nitrobenzene-d5	*91.7*			*11.0-135*		*05/08/2024 23:29*	WG2282225
(S) 2-Fluorobiphenyl	*84.5*			*32.0-120*		*05/08/2024 23:29*	WG2282225
(S) p-Terphenyl-d14	*65.5*			*23.0-122*		*05/08/2024 23:29*	WG2282225

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	U		2.99	6.00	1	05/09/2024 19:16	WG2280647
Lead,Dissolved	8.90		2.99	6.00	1	05/09/2024 23:45	WG2280623

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	0.253	J	0.0941	1.00	1	05/09/2024 04:32	WG2282762
Toluene	U		0.278	1.00	1	05/09/2024 04:32	WG2282762
Ethylbenzene	U		0.137	1.00	1	05/09/2024 04:32	WG2282762
Total Xylenes	U		0.174	3.00	1	05/09/2024 04:32	WG2282762
1,2-Dichloroethane	U		0.0819	1.00	1	05/09/2024 04:32	WG2282762
(S) Toluene-d8	*105*			*80.0-120*		*05/09/2024 04:32*	WG2282762
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*05/09/2024 04:32*	WG2282762
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/09/2024 04:32*	WG2282762

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00574	0.0214	1.07	05/08/2024 05:29	WG2281440

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	992	B	189	888	1.11	05/08/2024 15:48	WG2280160
(S) o-Terphenyl	*77.2*			*50.0-150*		*05/08/2024 15:48*	WG2280160

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	0.0345	J	0.0207	0.0545	1.09	05/09/2024 03:05	WG2282225
Acenaphthene	0.132		0.0207	0.0545	1.09	05/09/2024 03:05	WG2282225
Acenaphthylene	U		0.0185	0.0545	1.09	05/09/2024 03:05	WG2282225
Benzo(a)anthracene	U		0.0218	0.0545	1.09	05/09/2024 03:05	WG2282225
Benzo(a)pyrene	U		0.0196	0.0545	1.09	05/09/2024 03:05	WG2282225
Benzo(b)fluoranthene	U	J4	0.0185	0.0545	1.09	05/09/2024 03:05	WG2282225
Benzo(g,h,i)perylene	U		0.0196	0.0545	1.09	05/09/2024 03:05	WG2282225
Benzo(k)fluoranthene	U		0.0218	0.273	1.09	05/09/2024 03:05	WG2282225
Chrysene	U		0.0196	0.0545	1.09	05/09/2024 03:05	WG2282225
Dibenz(a,h)anthracene	U		0.0196	0.0545	1.09	05/09/2024 03:05	WG2282225
Fluoranthene	U		0.0120	0.0545	1.09	05/09/2024 03:05	WG2282225
Fluorene	0.967	J4	0.0185	0.0545	1.09	05/09/2024 03:05	WG2282225
Indeno(1,2,3-cd)pyrene	U		0.0196	0.0545	1.09	05/09/2024 03:05	WG2282225
Naphthalene	U	J3	0.140	0.545	1.09	05/09/2024 03:05	WG2282225
Phenanthrene	0.558		0.0196	0.0545	1.09	05/09/2024 03:05	WG2282225
Pyrene	U	J4	0.0185	0.0545	1.09	05/09/2024 03:05	WG2282225
1-Methylnaphthalene	U		0.0218	0.545	1.09	05/09/2024 03:05	WG2282225
2-Methylnaphthalene	U	J3	0.0305	0.545	1.09	05/09/2024 03:05	WG2282225
2-Chloronaphthalene	0.0627	J	0.0131	0.545	1.09	05/09/2024 03:05	WG2282225
(S) Nitrobenzene-d5	*87.6*			*11.0-135*		*05/09/2024 03:05*	WG2282225
(S) 2-Fluorobiphenyl	*84.3*			*32.0-120*		*05/09/2024 03:05*	WG2282225
(S) p-Terphenyl-d14	*86.2*			*23.0-122*		*05/09/2024 03:05*	WG2282225

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	U		2.99	6.00	1	05/09/2024 20:50	WG2280647
Lead,Dissolved	5.83	J	2.99	6.00	1	05/09/2024 23:33	WG2280622

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/08/2024 00:23	WG2281522
Toluene	U		0.278	1.00	1	05/08/2024 00:23	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/08/2024 00:23	WG2281522
Total Xylenes	U		0.174	3.00	1	05/08/2024 00:23	WG2281522
1,2-Dichloroethane	U		0.0819	1.00	1	05/08/2024 00:23	WG2281522
(S) Toluene-d8	*102*			*80.0-120*		*05/08/2024 00:23*	WG2281522
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*		*05/08/2024 00:23*	WG2281522
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/08/2024 00:23*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00541	0.0202	1.01	05/08/2024 06:50	WG2281440

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	648	B J	170	800	1	05/08/2024 16:49	WG2280160
(S) o-Terphenyl	*77.2*			*50.0-150*		*05/08/2024 16:49*	WG2280160

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		0.0207	0.0545	1.09	05/10/2024 03:35	WG2282225
Acenaphthene	U		0.0207	0.0545	1.09	05/10/2024 03:35	WG2282225
Acenaphthylene	U		0.0185	0.0545	1.09	05/10/2024 03:35	WG2282225
Benzo(a)anthracene	U		0.0218	0.0545	1.09	05/10/2024 03:35	WG2282225
Benzo(a)pyrene	U		0.0196	0.0545	1.09	05/10/2024 03:35	WG2282225
Benzo(b)fluoranthene	U	J4	0.0185	0.0545	1.09	05/10/2024 03:35	WG2282225
Benzo(g,h,i)perylene	0.0377	J	0.0196	0.0545	1.09	05/10/2024 03:35	WG2282225
Benzo(k)fluoranthene	U		0.0218	0.273	1.09	05/10/2024 03:35	WG2282225
Chrysene	U		0.0196	0.0545	1.09	05/10/2024 03:35	WG2282225
Dibenz(a,h)anthracene	U		0.0196	0.0545	1.09	05/10/2024 03:35	WG2282225
Fluoranthene	0.0230	J	0.0120	0.0545	1.09	05/10/2024 03:35	WG2282225
Fluorene	U	J4	0.0185	0.0545	1.09	05/10/2024 03:35	WG2282225
Indeno(1,2,3-cd)pyrene	U		0.0196	0.0545	1.09	05/10/2024 03:35	WG2282225
Naphthalene	U		0.140	0.545	1.09	05/10/2024 03:35	WG2282225
Phenanthrene	U		0.0196	0.0545	1.09	05/10/2024 03:35	WG2282225
Pyrene	0.0313	J J4	0.0185	0.0545	1.09	05/10/2024 03:35	WG2282225
1-Methylnaphthalene	U		0.0218	0.545	1.09	05/10/2024 03:35	WG2282225
2-Methylnaphthalene	U		0.0305	0.545	1.09	05/10/2024 03:35	WG2282225
2-Chloronaphthalene	U		0.0131	0.545	1.09	05/10/2024 03:35	WG2282225
(S) Nitrobenzene-d5	*72.4*			*11.0-135*		*05/10/2024 03:35*	WG2282225
(S) 2-Fluorobiphenyl	*55.3*			*32.0-120*		*05/10/2024 03:35*	WG2282225
(S) p-Terphenyl-d14	*35.3*			*23.0-122*		*05/10/2024 03:35*	WG2282225

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	05/10/2024 14:41	WG2280648
Lead,Dissolved	4.00	J	2.99	6.00	1	05/09/2024 23:35	WG2280622

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.274	J	0.0941	1.00	1	05/08/2024 00:43	WG2281522
Toluene	U		0.278	1.00	1	05/08/2024 00:43	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/08/2024 00:43	WG2281522
Total Xylenes	U		0.174	3.00	1	05/08/2024 00:43	WG2281522
1,2-Dichloroethane	0.615	J	0.0819	1.00	1	05/08/2024 00:43	WG2281522
(S) Toluene-d8	*102*			*80.0-120*		*05/08/2024 00:43*	WG2281522
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/08/2024 00:43*	WG2281522
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/08/2024 00:43*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00547	0.0204	1.02	05/08/2024 07:04	WG2281440

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	1310	B	189	888	1.11	05/08/2024 17:09	WG2280160
(S) o-Terphenyl	*76.5*			*50.0-150*		*05/08/2024 17:09*	WG2280160

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0209	0.0550	1.1	05/09/2024 04:23	WG2282225
Acenaphthene	0.0851		0.0209	0.0550	1.1	05/09/2024 04:23	WG2282225
Acenaphthylene	U		0.0187	0.0550	1.1	05/09/2024 04:23	WG2282225
Benzo(a)anthracene	U		0.0220	0.0550	1.1	05/09/2024 04:23	WG2282225
Benzo(a)pyrene	U		0.0198	0.0550	1.1	05/09/2024 04:23	WG2282225
Benzo(b)fluoranthene	U	J4	0.0187	0.0550	1.1	05/09/2024 04:23	WG2282225
Benzo(g,h,i)perylene	U		0.0198	0.0550	1.1	05/09/2024 04:23	WG2282225
Benzo(k)fluoranthene	U		0.0220	0.275	1.1	05/09/2024 04:23	WG2282225
Chrysene	U		0.0198	0.0550	1.1	05/09/2024 04:23	WG2282225
Dibenz(a,h)anthracene	U		0.0198	0.0550	1.1	05/09/2024 04:23	WG2282225
Fluoranthene	U		0.0121	0.0550	1.1	05/09/2024 04:23	WG2282225
Fluorene	0.694	J4	0.0187	0.0550	1.1	05/09/2024 04:23	WG2282225
Indeno(1,2,3-cd)pyrene	U		0.0198	0.0550	1.1	05/09/2024 04:23	WG2282225
Naphthalene	U		0.141	0.550	1.1	05/09/2024 04:23	WG2282225
Phenanthrene	0.370		0.0198	0.0550	1.1	05/09/2024 04:23	WG2282225
Pyrene	U	J4	0.0187	0.0550	1.1	05/09/2024 04:23	WG2282225
1-Methylnaphthalene	U		0.0220	0.550	1.1	05/09/2024 04:23	WG2282225
2-Methylnaphthalene	U		0.0308	0.550	1.1	05/09/2024 04:23	WG2282225
2-Chloronaphthalene	0.0440	J	0.0132	0.550	1.1	05/09/2024 04:23	WG2282225
(S) Nitrobenzene-d5	*61.8*			*11.0-135*		*05/09/2024 04:23*	WG2282225
(S) 2-Fluorobiphenyl	*60.0*			*32.0-120*		*05/09/2024 04:23*	WG2282225
(S) p-Terphenyl-d14	*60.9*			*23.0-122*		*05/09/2024 04:23*	WG2282225

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	U		2.99	6.00	1	05/10/2024 14:44	WG2280648
Lead,Dissolved	U		2.99	6.00	1	05/09/2024 23:36	WG2280622

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/07/2024 22:47	WG2281522
Toluene	U		0.278	1.00	1	05/07/2024 22:47	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/07/2024 22:47	WG2281522
Total Xylenes	U		0.174	3.00	1	05/07/2024 22:47	WG2281522
1,2-Dichloroethane	U		0.0819	1.00	1	05/07/2024 22:47	WG2281522
(S) Toluene-d8	*101*			*80.0-120*		*05/07/2024 22:47*	WG2281522
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*05/07/2024 22:47*	WG2281522
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/07/2024 22:47*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00536	0.0200	1	05/08/2024 07:17	WG2281440

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	227	B J	189	888	1.11	05/08/2024 17:29	WG2280160
(S) o-Terphenyl	*51.0*			*50.0-150*		*05/08/2024 17:29*	WG2280160

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		0.0198	0.0520	1.04	05/08/2024 23:49	WG2282225
Acenaphthene	U		0.0198	0.0520	1.04	05/08/2024 23:49	WG2282225
Acenaphthylene	U		0.0177	0.0520	1.04	05/08/2024 23:49	WG2282225
Benzo(a)anthracene	U		0.0208	0.0520	1.04	05/08/2024 23:49	WG2282225
Benzo(a)pyrene	U		0.0187	0.0520	1.04	05/08/2024 23:49	WG2282225
Benzo(b)fluoranthene	U	J4	0.0177	0.0520	1.04	05/08/2024 23:49	WG2282225
Benzo(g,h,i)perylene	U		0.0187	0.0520	1.04	05/08/2024 23:49	WG2282225
Benzo(k)fluoranthene	U		0.0208	0.260	1.04	05/08/2024 23:49	WG2282225
Chrysene	U		0.0187	0.0520	1.04	05/08/2024 23:49	WG2282225
Dibenz(a,h)anthracene	U		0.0187	0.0520	1.04	05/08/2024 23:49	WG2282225
Fluoranthene	U		0.0114	0.0520	1.04	05/08/2024 23:49	WG2282225
Fluorene	U	J4	0.0177	0.0520	1.04	05/08/2024 23:49	WG2282225
Indeno(1,2,3-cd)pyrene	U		0.0187	0.0520	1.04	05/08/2024 23:49	WG2282225
Naphthalene	U		0.133	0.520	1.04	05/08/2024 23:49	WG2282225
Phenanthrene	U		0.0187	0.0520	1.04	05/08/2024 23:49	WG2282225
Pyrene	U	J4	0.0177	0.0520	1.04	05/08/2024 23:49	WG2282225
1-Methylnaphthalene	U		0.0208	0.520	1.04	05/08/2024 23:49	WG2282225
2-Methylnaphthalene	U		0.0291	0.520	1.04	05/08/2024 23:49	WG2282225
2-Chloronaphthalene	U		0.0125	0.520	1.04	05/08/2024 23:49	WG2282225
(S) Nitrobenzene-d5	*97.1*			*11.0-135*		*05/08/2024 23:49*	WG2282225
(S) 2-Fluorobiphenyl	*97.1*			*32.0-120*		*05/08/2024 23:49*	WG2282225
(S) p-Terphenyl-d14	*114*			*23.0-122*		*05/08/2024 23:49*	WG2282225

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/07/2024 22:08	WG2281522
Toluene	U		0.278	1.00	1	05/07/2024 22:08	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/07/2024 22:08	WG2281522
Total Xylenes	U		0.174	3.00	1	05/07/2024 22:08	WG2281522
1,2-Dichloroethane	U		0.0819	1.00	1	05/07/2024 22:08	WG2281522
(S) Toluene-d8	*100*			*80.0-120*		*05/07/2024 22:08*	WG2281522
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*05/07/2024 22:08*	WG2281522
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*05/07/2024 22:08*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00541	0.0202	1.01	05/08/2024 07:31	WG2281440

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	U		0.0941	1.00	1	05/07/2024 22:27	WG2281522
Toluene	U		0.278	1.00	1	05/07/2024 22:27	WG2281522
Ethylbenzene	U		0.137	1.00	1	05/07/2024 22:27	WG2281522
Total Xylenes	U		0.174	3.00	1	05/07/2024 22:27	WG2281522
1,2-Dichloroethane	U		0.0819	1.00	1	05/07/2024 22:27	WG2281522
(S) Toluene-d8	*100*			*80.0-120*		*05/07/2024 22:27*	WG2281522
(S) 4-Bromofluorobenzene	*95.8*			*77.0-126*		*05/07/2024 22:27*	WG2281522
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*05/07/2024 22:27*	WG2281522

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00552	0.0206	1.03	05/08/2024 07:44	WG2281440

Method Blank (MB)

(MB) R4068126-1 05/09/24 23:00

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) R4068126-2 05/09/24 23:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	1000	956	95.6	80.0-120	

L1731929-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731929-15 05/09/24 23:03 • (MS) R4068126-4 05/09/24 23:07 • (MSD) R4068126-5 05/09/24 23:09

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	7.75	980	986	97.2	97.8	1	75.0-125			0.668	20

Method Blank (MB)

(MB) R4068121-1 05/09/24 23:42

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) R4068121-2 05/09/24 23:43

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

L1731946-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731946-04 05/09/24 23:45 • (MS) R4068121-4 05/09/24 23:48 • (MSD) R4068121-5 05/09/24 23:50

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	8.90	1010	1020	101	101	1	75.0-125			0.422	20

Method Blank (MB)

(MB) R4068014-1 05/09/24 19:08

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) R4068014-2 05/09/24 19:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	972	97.2	80.0-120	

L1731946-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731946-04 05/09/24 19:16 • (MS) R4068014-4 05/09/24 19:24 • (MSD) R4068014-5 05/09/24 19:28

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	1000	U	926	910	92.6	91.0	1	75.0-125			1.79	20

QUALITY CONTROL SUMMARY

L1731946-06,07

Method Blank (MB)

(MB) R4068357-1 05/10/24 14:20

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) R4068357-2 05/10/24 14:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	976	97.6	80.0-120	

L1732176-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1732176-16 05/10/24 14:26 • (MS) R4068357-4 05/10/24 14:33 • (MSD) R4068357-5 05/10/24 14:36

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	977	966	97.7	96.6	1	75.0-125			1.14	20

Method Blank (MB)

(MB) R4067243-3 05/07/24 20:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
1,2-Dichloroethane	U		0.0819	1.00
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

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

(LCS) R4067243-1 05/07/24 19:00 • (LCSD) R4067243-2 05/07/24 19:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	5.27	5.28	105	106	70.0-123			0.190	20
Toluene	5.00	4.78	4.88	95.6	97.6	79.0-120			2.07	20
Ethylbenzene	5.00	4.50	4.57	90.0	91.4	79.0-123			1.54	20
Total Xylenes	15.0	13.5	13.8	90.0	92.0	79.0-123			2.20	20
1,2-Dichloroethane	5.00	4.97	5.08	99.4	102	70.0-128			2.19	20
(S) Toluene-d8				*100*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.6*	*100*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R4067648-3 05/08/24 20:51

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Toluene	U		0.278	1.00
Ethylbenzene	U		0.137	1.00
Total Xylenes	U		0.174	3.00
1,2-Dichloroethane	U		0.0819	1.00
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

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

(LCS) R4067648-1 05/08/24 19:42 • (LCSD) R4067648-2 05/08/24 20:05

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 %
Benzene	5.00	5.26	5.16	105	103	70.0-123			1.92	20
Toluene	5.00	4.96	5.11	99.2	102	79.0-120			2.98	20
Ethylbenzene	5.00	4.84	4.92	96.8	98.4	79.0-123			1.64	20
Total Xylenes	15.0	14.9	15.2	99.3	101	79.0-123			1.99	20
1,2-Dichloroethane	5.00	5.31	5.48	106	110	70.0-128			3.15	20
(S) Toluene-d8				*107*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*113*	*109*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*102*	*70.0-130*				

L1731946-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731946-04 05/09/24 04:32 • (MS) R4067648-4 05/09/24 07:12 • (MSD) R4067648-5 05/09/24 07:35

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 %
Benzene	5.00	0.253	6.92	6.52	133	125	1	17.0-158			5.95	27
Toluene	5.00	U	6.26	5.80	125	116	1	26.0-154			7.63	28
Ethylbenzene	5.00	U	6.43	6.05	129	121	1	30.0-155			6.09	27
Total Xylenes	15.0	U	19.9	18.4	133	123	1	29.0-154			7.83	28
1,2-Dichloroethane	5.00	U	6.68	6.25	134	125	1	29.0-151			6.65	27
(S) Toluene-d8					*104*	*103*		*80.0-120*				
(S) 4-Bromofluorobenzene					*114*	*113*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*98.5*	*99.4*		*70.0-130*				

Method Blank (MB)

(MB) R4067353-1 05/08/24 05:02

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

L1731946-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1731946-03 05/08/24 05:56 • (DUP) R4067353-3 05/08/24 05:43

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

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

(LCS) R4067353-4 05/08/24 08:11 • (LCSD) R4067353-5 05/08/24 11:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.212	0.199	84.8	79.6	60.0-140			6.33	20

L1731946-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1731946-04 05/08/24 05:29 • (MS) R4067353-2 05/08/24 05:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.100	U	0.107	107	1	64.0-159	

Method Blank (MB)

(MB) R4066153-1 05/05/24 14:10

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	*65.0*			*60.0-120*

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

(LCS) R4066153-2 05/05/24 14:30 • (LCSD) R4066153-3 05/05/24 14:51

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	5580	5620	93.0	93.7	75.0-125			0.714	20
(S) o-Terphenyl				*63.7*	*72.7*	*60.0-120*				

L1730395-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1730395-10 05/05/24 15:31 • (MS) R4066153-4 05/05/24 15:51 • (MSD) R4066153-5 05/05/24 16:11

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	260	5020	5410	79.3	85.8	1	75.0-125			7.48	20
(S) o-Terphenyl					*67.2*	*70.3*		*50.0-150*				

L1731894-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731894-05 05/05/24 19:13 • (MS) R4066153-6 05/05/24 19:33 • (MSD) R4066153-7 05/05/24 19:53

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	U	4610	4580	76.8	76.3	1	75.0-125			0.653	20
(S) o-Terphenyl					*66.0*	*64.4*		*50.0-150*				

Method Blank (MB)

(MB) R4068212-1 05/08/24 14:47

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
AK102 DRO C10-C25	251	J	170	800
(S) o-Terphenyl	*65.0*			*60.0-120*

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

(LCS) R4068212-2 05/08/24 15:08 • (LCSD) R4068212-3 05/08/24 15:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	5800	5990	96.7	99.8	75.0-125			3.22	20
(S) o-Terphenyl				*62.0*	*63.7*	*60.0-120*				

L1731946-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731946-04 05/08/24 15:48 • (MS) R4068212-4 05/08/24 16:08 • (MSD) R4068212-5 05/08/24 16:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6660	992	7730	7850	101	103	1.11	75.0-125			1.54	20
(S) o-Terphenyl					*73.6*	*81.8*		*50.0-150*				

Method Blank (MB)

(MB) R4067629-2 05/08/24 23:10

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	*96.0*			*11.0-135*
(S) 2-Fluorobiphenyl	*97.0*			*32.0-120*
(S) p-Terphenyl-d14	*109*			*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R4067629-1 05/08/24 22:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	2.21	111	43.0-127	
Acenaphthene	2.00	2.19	109	42.0-120	
Acenaphthylene	2.00	2.19	109	43.0-120	
Benzo(a)anthracene	2.00	2.36	118	46.0-120	
Benzo(a)pyrene	2.00	2.23	111	44.0-122	
Benzo(b)fluoranthene	2.00	2.67	133	43.0-122	J4
Benzo(g,h,i)perylene	2.00	2.31	115	25.0-137	
Benzo(k)fluoranthene	2.00	2.47	123	39.0-128	
Chrysene	2.00	2.56	128	42.0-129	
Dibenz(a,h)anthracene	2.00	2.18	109	25.0-139	
Fluoranthene	2.00	2.51	126	48.0-131	

Laboratory Control Sample (LCS)

(LCS) R4067629-1 05/08/24 22:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	2.00	2.42	121	42.0-120	J4
Indeno(1,2,3-cd)pyrene	2.00	2.33	117	37.0-133	
Naphthalene	2.00	2.10	105	30.0-120	
Phenanthrene	2.00	2.41	120	42.0-120	
Pyrene	2.00	2.60	130	38.0-124	J4
1-Methylnaphthalene	2.00	2.26	113	43.0-120	
2-Methylnaphthalene	2.00	2.16	108	40.0-120	
2-Chloronaphthalene	2.00	2.24	112	39.0-120	
(S) Nitrobenzene-d5			*116*	*11.0-135*	
(S) 2-Fluorobiphenyl			*115*	*32.0-120*	
(S) p-Terphenyl-d14			*124*	*23.0-122*	J1

L1732990-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1732990-01 05/09/24 01:47 • (MS) R4067629-3 05/09/24 02:06 • (MSD) R4067629-4 05/09/24 02:26

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	2.17	U	1.56	2.17	71.9	103	1.09	28.0-120		J3	32.7	25
Acenaphthene	2.17	U	1.61	2.21	74.2	105	1.09	16.0-120		J3	31.4	25
Acenaphthylene	2.17	U	1.62	2.21	74.7	105	1.09	16.0-121		J3	30.8	26
Benzo(a)anthracene	2.17	U	1.32	1.78	60.8	84.8	1.09	19.0-125		J3	29.7	26
Benzo(a)pyrene	2.17	U	1.04	1.42	47.9	67.6	1.09	10.0-126			30.9	32
Benzo(b)fluoranthene	2.17	U	1.20	1.60	55.3	76.2	1.09	10.0-125			28.6	36
Benzo(g,h,i)perylene	2.17	U	0.863	1.11	39.8	52.9	1.09	10.0-128			25.0	37
Benzo(k)fluoranthene	2.17	U	1.09	1.47	50.2	70.0	1.09	10.0-124			29.7	32
Chrysene	2.17	U	1.44	1.95	66.4	92.9	1.09	18.0-127		J3	30.1	26
Dibenz(a,h)anthracene	2.17	U	0.797	1.03	36.7	49.0	1.09	10.0-132			25.5	43
Fluoranthene	2.17	0.0219	1.62	2.21	73.6	104	1.09	37.0-122		J3	30.8	23
Fluorene	2.17	0.0303	1.81	2.45	82.0	115	1.09	20.0-120		J3	30.0	26
Indeno(1,2,3-cd)pyrene	2.17	U	0.770	0.989	35.5	47.1	1.09	10.0-130			24.9	38
Naphthalene	2.17	0.229	1.79	2.34	71.9	101	1.09	14.0-120		J3	26.6	20
Phenanthrene	2.17	0.0315	1.74	2.34	78.7	110	1.09	26.0-120		J3	29.4	24
Pyrene	2.17	0.0250	1.72	2.29	78.1	108	1.09	29.0-120		J3	28.4	24
1-Methylnaphthalene	2.17	0.212	1.83	2.45	74.6	107	1.09	10.0-145		J3	29.0	24
2-Methylnaphthalene	2.17	0.115	1.68	2.24	72.1	101	1.09	10.0-143		J3	28.6	24
2-Chloronaphthalene	2.17	U	1.65	2.22	76.0	106	1.09	16.0-120		J3	29.5	25
(S) Nitrobenzene-d5					*82.5*	*108*		*11.0-135*				
(S) 2-Fluorobiphenyl					*75.1*	*108*		*32.0-120*				
(S) p-Terphenyl-d14					*62.2*	*87.1*		*23.0-122*				

L1731946-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1731946-04 05/09/24 03:05 • (MS) R4067629-5 05/09/24 03:25 • (MSD) R4067629-6 05/09/24 03:44

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	2.17	0.0345	1.64	1.96	74.0	89.6	1.09	28.0-120			17.8	25
Acenaphthene	2.17	0.132	1.75	2.08	74.6	90.6	1.09	16.0-120			17.2	25
Acenaphthylene	2.17	U	1.66	1.98	76.5	92.1	1.09	16.0-121			17.6	26
Benzo(a)anthracene	2.17	U	0.773	0.912	35.6	42.4	1.09	19.0-125			16.5	26
Benzo(a)pyrene	2.17	U	0.430	0.499	19.8	23.2	1.09	10.0-126			14.9	32
Benzo(b)fluoranthene	2.17	U	0.473	0.549	21.8	25.5	1.09	10.0-125			14.9	36
Benzo(g,h,i)perylene	2.17	U	0.383	0.427	17.6	19.9	1.09	10.0-128			10.9	37
Benzo(k)fluoranthene	2.17	U	0.443	0.516	20.4	24.0	1.09	10.0-124			15.2	32
Chrysene	2.17	U	0.885	1.04	40.8	48.4	1.09	18.0-127			16.1	26
Dibenz(a,h)anthracene	2.17	U	0.346	0.391	15.9	18.2	1.09	10.0-132			12.2	43
Fluoranthene	2.17	U	1.55	1.86	71.4	86.5	1.09	37.0-122			18.2	23
Fluorene	2.17	0.967	2.54	2.84	72.5	87.1	1.09	20.0-120			11.2	26
Indeno(1,2,3-cd)pyrene	2.17	U	0.342	0.378	15.8	17.6	1.09	10.0-130			10.0	38
Naphthalene	2.17	U	1.96	2.45	90.3	114	1.09	14.0-120		J3	22.2	20
Phenanthrene	2.17	0.558	2.27	2.70	78.9	99.6	1.09	26.0-120			17.3	24
Pyrene	2.17	U	1.70	1.99	78.3	92.6	1.09	29.0-120			15.7	24
1-Methylnaphthalene	2.17	U	1.74	2.21	80.2	103	1.09	10.0-145			23.8	24
2-Methylnaphthalene	2.17	U	1.67	2.13	77.0	99.1	1.09	10.0-143		J3	24.2	24
2-Chloronaphthalene	2.17	0.0627	1.71	2.03	75.9	91.5	1.09	16.0-120			17.1	25
(S) Nitrobenzene-d5					*83.9*	*103*		*11.0-135*				
(S) 2-Fluorobiphenyl					*80.2*	*95.3*		*32.0-120*				
(S) p-Terphenyl-d14					*80.6*	*92.1*		*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.
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.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Arcadis - Chevron - AK

880 H St.
Anchorage, AK 99501

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

Report to: Jill Settle

Email To: Jill.Settle@arcadis.com;environmentDM-

Project Description: 91252

City/State Collected: Eagle River, AK

Please Circle: PT MT CT ET (AK)

Phone: 907-276-8095

Client Project # 30063655.19.45

Lab Project # CHEVARCAK-91252

Collected by (print): E. Wojcik

Site/Facility ID # 11836 OLD GLENN HWY EAGLE

P.O. #

Collected by (signature): E Wojcik

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK102 100ml Amb HCl	BTEX,EDC 8260 40mlAmb-HCl	EDB 8011 40mlClr-NaThio	FF Diss Lead 6010 250mlHDPE HNO3	PAHs 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	Remarks	Sample # (lab only)
MW-1R	Grab	GW	-	5.1.24										
MW-2-W-20240501		GW	-		0830	12	X	X	X	X	X	X		
MW-3-W-20240501		GW	-		0905	12	X	X	X	X	X	X	Cooler 1	-01
MW-4-W-20240501		GW	-		0700	12	X	X	X	X	X	X		-02
MW-5-W-20240501		GW	-		1000	36	X	X	X	X	X	X		-03
MW-6-W-20240501		GW	-		0745	12	X	X	X	X	X	X	MS/MSD	Cooler 2 -04
MW-8		GW	-										Cooler 1	-05
MW-9		GW	-											
BD-1-W-20240501		GW	-		-	12	X	X	X	X	X	X		
EQB-1-W-20240501		GW	-		1100	12	X	X	X	X	X	X	Cooler 2	-06 -07

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS X FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
E Wojcik	5.1.24	1300	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No HCL / MeoH TBR

Temp: °C Bottles Received: 10 8 102

Date: 5/2/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

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 # L1739446

Ta E198

Acctnum: CHEVARCAK

Template: T250994

Prelogin: P1068858

PM: 110 - Brian Ford

PB: 4.19.24 BK

Shipped Via: FedEx 2nd Day

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: Jill Settle

Email To: Jill.Settle@arcadis.com;environmentDM-

Project Description: 91252

City/State Collected: Eagle River, AK

Please Circle: PT MT CT ET (AK)

Phone: 907-276-8095

Client Project # 30063655.19.45

Lab Project # CHEVARCAK-91252

Collected by (print): E. Wojcik

Site/Facility ID # 11836 OLD GLENN HWY EAGLE

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

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	AK102 100ml Amb HCl	BTEX,EDC 8260 40mlAmb-HCl	EDB 8011 40mlClr-NaThio	FF Diss Lead 6010 250mlHDPE HNO3	PAHs 8270SIM 100ml Amb-NoPres	Total Lead 6010 250mlHDPE-HNO3	Remarks	Sample # (lab only)
Trip Blank 1	-	GW	-	-	-		X	X				Cooler 1	-08
Trip Blank 2	-	GW	-	-	-		X	X				Cooler 2	-09

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 # L1731946

Table #

Acctnum: CHEVARCAK
Template: T250994
Prelogin: P1068858
PM: 110 - Brian Ford
PB: 4·19·24 BK

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

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

Trip Blank Received: Yes / No
HCL / MeoH
TBR
10

Temp: °C Bottles Received: 10

Date: 5/2/24 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

LM731946

Tracking Numbers	Temperature
731531908110	5.3+0.1=5.4
731531908121	0.6+0.1=0.7

Dallas D
Name

5/2/24
Date

Attachment C

Historical Groundwater Gauging and Analytical Results – Third Quarter 2003 through 2022

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels[a]					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
MW-1	10/6/2003	301.20	16.00	285.20	**0.77**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	
MW-1	12/17/2003	301.20	21.93	279.27	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1	3/26/2004	301.20	22.04	279.16	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1	6/5/2004	301.20	19.74	281.46	**2.3**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-1	9/27/2004	301.20	16.07	285.13	**0.68**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-1	12/9/2004	301.20	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1	3/24/2005	301.20	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1	5/17/2005	301.20	20.46	280.74	**3.9**	**0.017**	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-1	9/25/2005	301.20	16.06	285.14	**0.6**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	--	--	
MW-1	5/17/2006	301.20	21.73	279.47	--	--	--	--	--	--	--	--	--	--	
MW-1	9/26/2006	301.20	20.24	280.96	**0.52**	--	--	--	--	--	--	--	--	--	
MW-1	5/18/2007	301.20	20.50	280.70	**2.6**	--	--	--	--	--	--	--	--	--	
MW-1	9/20/2007	301.20	21.96	279.24	--	--	--	--	--	--	--	--	--	--	
MW-1	3/28/2008	301.20	22.21	278.99	<0.391	--	--	--	--	--	--	--	--	--	
MW-1	6/9/2008	301.20	21.00	280.20	--	--	--	--	--	--	--	--	--	--	
MW-1	9/15/2008	301.20	19.49	281.71	--	--	--	--	--	--	--	--	--	--	
MW-1R	10/28/2008	--	30.55	--	**0.22 [0.24]**	<0.01 [<0.01]	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.002 [<0.002]	--	--	--	--	
MW-1R	5/6/2009	--	30.63	--	**0.065**	--	--	--	--	--	--	--	--	--	
MW-1R	9/14/2009	--	30.68	--	<0.050	--	--	--	--	--	--	--	--	--	
MW-1R	4/21/2010	301.73	30.30	271.43	<0.050	--	--	--	--	--	--	--	--	--	
MW-1R	7/22/2010	301.73	38.23	271.23	<0.051	--	--	--	--	--	--	--	--	--	
MW-1R	8/3/2011	301.73	30.67	271.06	**0.058 J**	--	--	--	--	--	--	--	--	--	
MW-1R	5/30/2012	301.73	29.95	271.78	**0.10 J**	--	--	--	--	--	--	<0.0000096	<0.0005	--	
MW-1R	8/23/2012	301.73	30.25	271.48	<0.050	--	--	--	--	--	--	--	--	--	
MW-1R	5/6/2013	301.73	29.96	271.77	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	5/8/2013	--	--	--	<0.076 J	--	--	--	--	--	--	--	--	--	
MW-1R	5/8/2013	--	--	--	**0.21 J**	--	--	--	--	--	--	--	--	--	collected via hydrosleeve
MW-1R	9/16/2013	301.73	30.09	271.64	<0.21	--	--	--	--	--	--	--	--	--	
MW-1R	4/29/2014	301.73	30.27	271.46	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	4/30/2014	--	--	--	<0.065	--	--	--	--	--	--	--	--	--	
MW-1R	10/1/2014	301.73	30.20	271.53	**0.081 J**	--	--	--	--	--	--	--	--	--	
MW-1R	5/6/2015	301.73	30.50	271.23	<0.051 J	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-1R	10/20/2015	301.73	30.29	271.44	<0.053	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-1R	5/19/2016	301.73	31.50	270.23	**0.26**	--	--	--	--	--	--	--	--	--	
MW-1R	9/28/2016	301.73	30.36	271.37	<0.051	--	--	--	--	--	--	--	--	--	
MW-1R	5/22/2017	301.73	30.33	271.40	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-1R	10/16/2017	301.73	30.34	271.39	--	--	--	--	--	--	--	--	--	--	
MW-1R	4/19/2018	301.63	30.27	271.36	--	--	--	--	--	--	--	--	--	--	TOC adjusted for 2.4" cut
MW-1R	9/4/2018	299.23	30.34	268.89	--	--	--	--	--	--	--	--	--	--	TOC adjusted for 2.4" cut
MW-1R	4/8/2019	307.58	30.35	277.23	--	--	--	--	--	--	--	--	--	--	DTW taken from well survey 6/6/2019
MW-1R	9/9/2019	307.58	30.51	277.07	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	4/1/2020	307.58	30.50	277.08	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	10/2/2020	307.58	30.20	277.38	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	4/6/2021	307.58	30.35	277.23	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	8/25/2021	307.58	30.16	277.42	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	4/28/2022	307.58	30.00	277.58	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	7/7/2022	307.58	30.26	277.32	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-1R	10/6/2022	307.58	29.76	277.82	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-2	10/6/2003	300.92	32.39	268.53	**1.9** [0.88]	<0.01 [<0.01	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.002 [<0.002]	--	--	--	
MW-2	12/17/2003	300.92	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	3/26/2004	300.92	32.45	268.47	**0.14 [0.2]**	<0.01 [<0.01]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	
MW-2	6/5/2004	300.92	31.97	268.95	<0.24 [0.27]	<0.01 [<0.01]	<0.0005 [<0.0005	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	--	
MW-2	9/27/2004	300.92	32.43	268.49	**0.43**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-2	12/9/2004	300.92	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	3/24/2005	300.92	36.67	264.25	--	--	--	--	--	--	--	--	--	--	
MW-2	5/17/2005	300.92	32.27	268.65	**0.64 [0.56]**	<0.01 [<0.01]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels[a]					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
MW-2	9/25/2005	300.92	32.21	268.71	**0.034**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	--	--	
MW-2	5/17/2006	300.92	32.09	268.83	<0.12	--	--	--	--	--	--	--	--	--	
MW-2	9/26/2006	300.92	32.14	268.78	<0.24	--	--	--	--	--	--	--	--	--	
MW-2	3/29/2007	300.92	32.22	268.70	**0.1**	--	--	--	--	--	--	--	--	--	
MW-2	5/18/2007	300.92	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-2	9/20/2007	300.92	32.32	268.60	**0.061**	--	--	--	--	--	--	--	--	--	
MW-2	3/28/2008	300.92	32.17	268.75	<0.391	--	--	--	--	--	--	--	--	--	
MW-2	6/9/2008	300.92	31.95	268.97	**0.049**	--	--	--	--	--	--	--	--	--	
MW-2	9/15/2008	300.92	32.24	268.68	<0.049	--	--	--	--	--	--	--	--	--	
MW-2	10/28/2008	300.92	32.26	268.66	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-2	5/6/2009	300.92	32.20	268.72	**0.053**	--	--	--	--	--	--	--	--	--	
MW-2	9/14/2009	300.92	32.38	268.54	<0.050	--	--	--	--	--	--	--	--	--	
MW-2	4/21/2010	300.91	31.40	269.51	**0.21 J**	--	--	--	--	--	--	--	--	--	
MW-2	7/22/2010	300.91	31.82	269.09	**0.12 J**	--	--	--	--	--	--	--	--	--	
MW-2	8/3/2011	300.91	32.10	268.81	**0.13 J**	--	--	--	--	--	--	--	--	--	
MW-2	5/30/2012	300.91	31.36	269.55	**0.36**	--	--	--	--	--	--	**0.0000097 J**	<0.0005	--	
MW-2	8/23/2012	300.91	31.82	269.09	<0.051	--	--	--	--	--	--	--	--	--	
MW-2	5/6/2013	300.91	31.16	269.75	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-2	5/8/2013	--	--	--	**0.46 J**	--	--	--	--	--	--	--	--	--	
MW-2	5/8/2013	--	--	--	**0.56 J**	--	--	--	--	--	--	--	--	--	collected via hydrosleeve
MW-2	9/16/2013	300.91	31.50	269.41	**0.52**	--	--	--	--	--	--	--	--	--	
MW-2	4/29/2014	300.91	31.00	269.91	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-2	4/30/2014	--	--	--	<0.068	--	--	--	--	--	--	--	--	--	
MW-2	10/1/2014	300.91	31.78	269.13	**0.071 J**	--	--	--	--	--	--	--	--	--	
MW-2	5/6/2015	300.91	31.97	268.94	**0.054 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-2	10/20/2015	300.91	31.81	269.10	<0.050	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-2	5/19/2016	300.91	32.09	268.82	<0.052	--	--	--	--	--	--	--	--	--	
MW-2	9/28/2016	300.91	31.89	269.02	**0.060 J**	--	--	--	--	--	--	--	--	--	
MW-2	5/22/2017	300.91	31.67	269.24	**0.33**	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-2	10/16/2017	300.91	31.87	269.04	**0.092 J**	--	--	--	--	--	--	--	--	--	
MW-2	4/19/2018	300.91	31.49	269.42	**0.30 J**	--	--	--	--	--	--	--	--	--	
MW-2	9/4/2018	300.91	31.82	269.09	**0.068 J**	--	--	--	--	--	--	--	--	--	
MW-2	4/8/2019	306.78	31.81	274.97	<0.25 B[1] [<0.25 B[1]]	--	--	--	--	--	--	--	--	--	DTW taken from well survey 6/6/2019
MW-2	9/9/2019	306.78	32.05	32.05	**0.12**	--	--	--	--	--	--	--	--	--	
MW-2	4/1/2020	306.78	32.11	274.67	--	--	--	--	--	--	--	--	--	--	Well obstructed by ice, sample not collected
MW-2	10/2/2020	306.78	31.75	275.03	<0.800	--	<0.00100 J	<0.00100 J	<0.00100 J	<0.00300 J	<0.00100 J	<0.00000500 J	<0.00100 J	***<0.00500 J***	
MW-2	4/6/2021	306.78	--	--	--	--	--	--	--	--	--	--	--	--	Well frozen at roughly 2 feet btoc
MW-2	8/25/2021	306.78	31.76	275.02	<0.800 B	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
MW-2	3/30/2022	306.78	31.68	275.10	<0.888		<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
MW-2	4/28/2022	306.78	31.28	275.50	**0.243 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	**0.00000500 J**	<0.00100	***<0.00500 B J***	
MW-2	7/7/2022	306.78	31.88	274.90	<0.800	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
MW-2	10/6/2022	306.78	31.42	275.36	**0.323 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	**0.000007**	**0.000136 J**	***<0.00500***	
MW-3	10/6/2003	300.69	33.80	266.89	**2.9**	**0.016**	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	
MW-3	12/17/2003	300.69	34.00	266.69	**2.3**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	
MW-3	3/26/2004	300.69	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	6/5/2004	300.69	32.96	267.73	**1.5**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-3	9/27/2004	300.69	34.02	266.67	**0.73**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-3	12/9/2004	300.69	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	3/24/2005	300.69	32.94	267.75	**1.1 [0.77]**	<0.01 [<0.01]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-3	5/17/2005	300.69	32.27	268.42	**0.41**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3	9/25/2005	300.69	33.62	267.07	**1.2**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	--	--	
MW-3	5/17/2006	300.69	33.40	267.29	**0.55**	--	--	--	--	--	--	--	--	--	
MW-3	9/26/2006	300.69	33.69	267.00	**1**	--	--	--	--	--	--	--	--	--	
MW-3	3/29/2007	300.69	34.08	266.61	**0.61**	--	--	--	--	--	--	--	--	--	
MW-3	5/18/2007	300.69	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-3	9/20/2007	300.69	33.92	266.77	**0.69**	--	--	--	--	--	--	--	--	--	
MW-3	3/28/2008	300.69	33.85	266.84	<0.391	--	--	--	--	--	--	--	--	--	
MW-3	6/9/2008	300.69	33.08	267.61	**0.32**	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels[a]					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
MW-3	9/15/2008	300.69	33.81	266.88	**0.63**	--	--	--	--	--	--	--	--	--	
MW-3	10/28/2008	300.69	33.90	266.79	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-3	5/6/2009	300.69	33.72	266.97	**1.5**	--	--	--	--	--	--	--	--	--	
MW-3	9/14/2009	300.69	34.17	266.52	**1.1**	--	--	--	--	--	--	--	--	--	
MW-3	4/21/2010	300.69	33.04	267.68	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-3	7/22/2010	300.72	33.23	267.49	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-3	7/23/2010	300.72	--	--	**0.76**	--	--	--	--	--	--	--	--	--	
MW-3	8/3/2011	300.72	33.71	267.01	**1.7**	--	--	--	--	--	--	--	--	--	
MW-3	5/30/2012	300.72	31.61	269.11	**0.23 J**	--	--	--	--	--	--	<0.0000097	<0.0005	--	
MW-3	8/23/2012	300.72	33.28	267.44	**0.35**	--	--	--	--	--	--	--	--	--	
MW-3	5/6/2013	300.72	32.09	268.63	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-3	5/8/2013	300.72	--	--	**0.29 J**	--	--	--	--	--	--	--	--	--	collected via hydrosleeve
MW-3	5/8/2013	300.72	--	--	**0.42 J**	--	--	--	--	--	--	--	--	--	
MW-3	9/16/2013	300.72	32.59	268.13	**0.31 J**	--	--	--	--	--	--	--	--	--	
MW-3	4/29/2014	300.72	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	10/1/2014	300.72	32.92	267.80	**0.38 J**	--	--	--	--	--	--	--	--	--	
MW-3	5/6/2015	300.72	33.56	267.16	**0.52 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-3	10/20/2015	300.72	33.24	267.48	**0.35**	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3	5/19/2016	300.72	33.69	267.03	**0.4**	--	--	--	--	--	--	--	--	--	
MW-3	9/28/2016	300.72	33.56	267.16	**0.49**	--	--	--	--	--	--	--	--	--	
MW-3	5/22/2017	300.72	32.94	267.78	**0.3**	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-3	10/16/2017	300.72	33.41	267.31	**0.093 J**	--	--	--	--	--	--	--	--	--	
MW-3	4/19/2018	300.72	32.72	268.00	**0.16 J**	--	--	--	--	--	--	--	--	--	
MW-3	9/4/2018	298.32	33.34	264.98	**0.27**	--	--	--	--	--	--	--	--	--	TOC adjusted for 2.4" cut
MW-3	4/8/2019	306.56	33.43	273.13	--	--	--	--	--	--	--	--	--	--	DTW taken from well survey 6/6/2019
MW-3	9/9/2019	306.56	33.97	272.59	--	--	--	--	--	--	--	--	--	--	
MW-3	4/1/2020	306.56	33.88	272.68	<0.800	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	Well sampled, blind duplicate not collected due to slow well recharge
MW-3	10/2/2020	306.56	33.48	273.08	**0.328 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
MW-3	4/6/2021	306.56	33.99	272.57	**0.372 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
MW-3	8/25/2021	306.56	33.38	273.18	<0.800 B	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
MW-3	3/30/2022	306.56	33.15	273.41	--	--	--	--	--	--	--	--	--	--	Well frozen. Could not get pump down the well
MW-3	4/28/2022	306.56	31.96	274.60	--	--	--	--	--	--	--	--	--	--	Well frozen. Could not get pump down the well
MW-3	7/7/2022	306.56	33.36	273.20	**0.574 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
MW-3	10/6/2022	306.56	32.79	273.77	**1.14**	--	<0.00100	<0.00100 B	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
MW-4	10/6/2003	301.09	32.25	268.84	**0.23**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	
MW-4	12/17/2003	301.09	31.75	269.34	**0.16 [0.13]**	<0.01 [<0.01]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.002 [<0.002]	--	--	--	
MW-4	3/26/2004	301.09	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	6/5/2004	301.09	31.37	269.72	**3.2**	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-4	9/27/2004	301.09	31.03	270.06	**1.8 [2.0]**	<0.01 [<0.01]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	--	
MW-4	12/9/2004	301.09	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	3/24/2005	301.09	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	5/17/2005	301.09	30.89	270.20	**0.56**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-4	9/25/2005	301.09	31.51	269.58	**0.25**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	--	--	
MW-4	5/17/2006	301.09	31.30	269.79	**0.09**	--	--	--	--	--	--	--	--	--	
MW-4	9/26/2006	301.09	31.51	269.58	**1.5**	--	--	--	--	--	--	--	--	--	
MW-4	3/29/2007	301.09	31.63	269.46	**0.11**	--	--	--	--	--	--	--	--	--	
MW-4	5/18/2007	301.09	31.04	270.05	**0.98**	--	--	--	--	--	--	--	--	--	
MW-4	9/20/2007	301.09	31.60	269.49	**0.21**	--	--	--	--	--	--	--	--	--	
MW-4	3/28/2008	301.09	31.22	269.87	<0.391	--	--	--	--	--	--	--	--	--	
MW-4	6/9/2008	301.09	31.24	269.85	**0.026**	--	--	--	--	--	--	--	--	--	
MW-4	9/15/2008	301.09	31.31	269.78	**0.075**	--	--	--	--	--	--	--	--	--	
MW-4	10/28/2008	301.09	32.07	269.02	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	5/6/2009	301.09	31.41	269.68	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/21/2010	301.11	31.23	269.88	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	7/22/2010	301.11	31.44	269.67	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	8/3/2011	301.11	31.50	269.61	--	--	--	--	--	--	--	--	--	--	Not sampled

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
	ADEC Groundwater Cleanup Levels[a]				**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
MW-4	5/30/2012	301.11	30.44	270.67	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	8/23/2012	301.11	31.25	269.86	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	5/6/2013	301.11	30.59	270.52	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	9/16/2013	301.11	31.09	270.02	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/29/2014	301.11	31.12	269.99	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	10/1/2014	301.11	30.96	270.15	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	5/6/2015	301.11	31.41	269.70	**0.11 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-4	10/20/2015	301.11	30.25	270.86	**0.10 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-4	5/19/2016	301.11	31.49	269.62	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	9/28/2016	301.11	31.14	269.97	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	5/22/2017	301.11	31.12	269.99	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-4	10/16/2017	301.11	31.41	269.70	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/19/2018	301.11	31.01	270.10	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	9/4/2018	301.11	31.19	269.92	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/8/2019	307.41	31.56	275.85	--	--	--	--	--	--	--	--	--	--	DTW taken from well survey 6/6/2019
MW-4	9/9/2019	307.41	31.8	275.61	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/1/2020	307.41	31.14	276.27	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	10/2/2020	307.41	31.60	275.81	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/6/2021	307.41	31.46	275.95	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	8/25/2021	307.41	31.39	276.02	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	3/30/2022	307.41	31.02	276.39	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	4/28/2022	307.41	30.86	276.55	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	7/7/2022	307.41	31.45	275.96	--	--	--	--	--	--	--	--	--	--	Not sampled
MW-4	10/6/2022	307.41	30.77	276.64	--	--	--	--	--	--	--	--	--	--	
MW-5	9/25/2005	301.54	31.61	269.93	**1.9**	<0.01	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	--	--	
MW-5	5/17/2006	301.54	31.49	270.05	<0.12 **[0.22]**	<0.01 [<0.01]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	9/26/2006	301.54	31.53	270.01	<0.24 [<0.24]	--	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	3/29/2007	301.54	31.76	269.78	**0.091 [0.1]**	--	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	5/18/2007	301.54	31.34	270.20	**0.39** [<0.24]	--	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.002 [<0.002]	--	--	--	--	
MW-5	9/20/2007	301.54	31.70	269.84	**0.23 [0.23]**	--	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.002 [<0.002]	--	--	--	--	
MW-5	3/28/2008	301.54	31.48	270.06	<0.391 [<0.391]	--	<0.005 [<0.0005]	<0.0005 [<0.005]	<0.005 [<0.0005]	<0.0015 [<0.015]	--	--	--	--	
MW-5	6/9/2008	301.54	31.45	270.09	**0.12 [0.11]**	<0.01 [<0.01]	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.002 [<0.002]	--	--	--	--	
MW-5	9/15/2008	301.54	31.58	269.96	**0.36 [0.30]**	0.01 [<0.01]	<0.001 [<0.001]	<0.001 [<0.001]	<0.001 [<0.001]	<0.002 [<0.002]	--	--	--	--	
MW-5	10/28/2008	301.54	31.61	269.93	--	--	--	--	--	--	--	--	--	--	
MW-5	5/6/2009	301.54	31.68	269.86	**0.13 J [0.059 J]**	--	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	9/14/2009	301.54	31.76	269.78	**0.19 J [0.61 J]**	0.010 J [<0.010]	--		--	--	--	--	--	--	
MW-5	4/21/2010	301.54	30.51	271.03	<0.05 **[0.27 J]**	<0.010 [0.012 J]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	7/22/2010	301.54	31.49	270.05	**0.80 J [0.44 J]**	<0.010 [<0.010]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	8/3/2011	301.54	31.70	269.84	**1.2 [1.2 J]**	<0.010 [0.014 J]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	5/30/2012	301.54	31.07	270.47	1.2 **[1.6]**	<0.010 [<0.010]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	<0.0000096 [<0.0000095]	<0.0005 [<0.0005]	--	
MW-5	8/23/2012	301.54	31.39	270.15	**1.1 [1.1]**	<0.010 [<0.010]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	--	
MW-5	5/6/2013	301.54	31.04	270.50	--	--	--	--	--	--	--	--	--	--	collected via hydrosleeve
MW-5	5/8/2013	301.54	--	--	**1.4 [1.5]**	**0.0090 J [0.012 J]**	**0.00068 J [0.00070 J]**	<0.000077 [<0.000077]	**0.000096 J [0.00010 J]**	<0.00022 [<0.00022]	--	--	--	--	
MW-5	5/8/2013	301.54	--	--	**1.6 [1.8]**	**0.013 J [0.0076 J]**	**0.00055 J [0.00067 J]**	<0.000077 [<0.000077]	<0.000081 [<0.000081]	<0.00022 [<0.00022]	--	--	--	--	
MW-5	9/16/2013	301.54	31.16	270.38	**0.80 [0.85]**	<0.050 [<0.050]	**0.00038 J [0.00036 J]**	<0.00023 [<0.00023]	<0.00024 [<0.00024]	<0.00072 [<0.00072]	--	--	--	--	
MW-5	4/29/2014	301.54	31.39	270.15	--	--	--	--	--	--	--	--	--	--	
MW-5	4/30/2014	301.54	--	--	**0.79 [0.74]**	<0.050 [<0.050]	<0.00015 [<0.00015]	<0.00011 [<0.00011]	<0.00016 [<0.00016]	<0.00040 [<0.00040]	--	--	--	--	
MW-5	10/1/2014	301.54	31.38	270.16	**1.0 [0.97]**	<0.050 J [<0.050 J]	**0.00056 J [0.00058 J]**	<0.00011 J [<0.00011]	<0.00016 J [<0.00016]	<0.00040 J [<0.00040]	--	--	--	--	
MW-5	5/6/2015	301.54	31.59	269.95	**1.3 J [1.2 J]**	<0.010 [<0.010]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	--	
MW-5	10/20/2015	301.54	30.94	271.14	**2.0 [1.9]**	**0.012 J [0.017 J]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	--	--	--	--	
MW-5	5/19/2016	301.54	31.61	269.93	**1.5 [1.6]**	**0.014 J [0.011 J]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	--	
MW-5	9/28/2016	301.54	31.46	270.08	**1.5 [1.8]**	<0.010 [<0.010]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	--	--	--	
MW-5	5/22/2017	301.54	31.33	270.21	**2.3 [2.3]**	--	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0005 [<0.0005]	--	
MW-5	10/16/2017	301.54	31.39	270.15	**1.8 J [1.7 J]**	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels[a]					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
MW-5	4/19/2018	301.54	31.25	270.29	1.2 J **[1.5 J]**	--	--	--	--	--	--	--	--	--	
MW-5	9/4/2018	300.34	31.44	268.90	**1.6 J [3.4 J]**	--	--	--	--	--	--	--	--	--	TOC adjusted for 1.15" cut
MW-5	4/8/2019	307.78	31.53	276.25	**0.92**	--	--	--	--	--	--	--	--	--	DTW taken from well survey 6/6/2019
MW-5	9/9/2019	307.78	31.69	276.09	**1.7**	--	--	--	--	--	--	--	--	--	Not sampled
MW-5	4/1/2020	307.78	31.68	276.10	**--**	--	--	--	--	--	--	--	--	--	Well obstructed by ice, sample not collected
MW-5	10/2/2020	307.78	31.36	276.42	**1.46 [1.37]**	-- [--]	**0.000291 J [0.000275 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000667 J [0.000733 J]**	***<0.00500 [<0.00500]***	
MW-5	4/6/2021	307.78	31.45	276.33	**0.915 [0.964]**	-- [--]	**0.000120 J** [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	***<0.00500 [<0.00500]***	
MW-5	8/25/2021	307.78	31.31	276.47	<0.840 B [<0.800 B]	-- [--]	**0.000311 J [0.000274 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000620 J [0.000619 J]**	***<0.00500 [<0.00500]***	
MW-5	3/30/2022	307.78	32.28	275.50	**1.1 [1.04]**	-- [--]	**0.000274 J[0.000295 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000523 J [0.000573 J]**	***<0.00500 J [<0.00500 J]***	
MW-5	4/28/2022	307.78	31.14	276.64	**1.03 [1.26]**	-- [--]	**0.000297 J[0.000290 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500[<0.00000500]	**0.000541 J [0.000599 J]**	***<0.00500 J [<0.00500 J]***	
MW-5	7/7/2022	307.78	31.45	276.33	**1.59 [1.71]**	-- [--]	**0.000507 J [0.000492 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000644 J [0.000687 J]**	***<0.00500 J [<0.00500 J]***	
MW-5	10/6/2022	307.78	31.10	276.68	**1.9 [1.74]**	-- [--]	**0.000766 J [0.000751 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000587 J [0.000635 J]**	***<0.00500J [<0.00500J]***	
MW-6	9/25/2005	300.30	31.14	269.16	<0.24 [0.42]	**0.01 [0.01]**	**0.0005 [0.0005]**	<0.0005 [<0.0005]	<0.0005 [<0.0005]	<0.0015 [<0.0015]	<0.0025 [<0.0025]	--	--	--	
MW-6	5/17/2006	300.30	31.04	269.26	**0.27**	--	--	--	--	--	--	--	--	--	
MW-6	9/26/2006	300.30	31.11	269.19	<0.24	--	--	--	--	--	--	--	--	--	
MW-6	3/29/2007	300.30	31.15	269.15	**2.3**	--	--	--	--	--	--	--	--	--	
MW-6	5/18/2007	300.30	--	--	**--**	--	--	--	--	--	--	--	--	--	
MW-6	9/20/2007	300.30	31.24	269.06	**0.19**	--	--	--	--	--	--	--	--	--	
MW-6	3/28/2008	300.30	31.13	269.17	<0.391	--	--	--	--	--	--	--	--	--	
MW-6	6/9/2008	300.30	30.94	269.36	<0.69	--	--	--	--	--	--	--	--	--	
MW-6	9/15/2008	300.30	31.18	269.12	**0.11**	--	--	--	--	--	--	--	--	--	
MW-6	10/28/2008	300.30	31.19	269.11	**--**	--	--	--	--	--	--	--	--	--	
MW-6	5/6/2009	300.30	31.13	269.17	**0.11**	--	--	--	--	--	--	--	--	--	
MW-6	9/14/2009	300.30	31.31	268.99	**0.13 J**	--	--	--	--	--	--	--	--	--	
MW-6	4/21/2010	300.30	31.30	269.00	**1.1**	--	--	--	--	--	--	--	--	--	
MW-6	7/22/2010	300.30	30.92	269.38	**0.27**	--	--	--	--	--	--	--	--	--	
MW-6	8/3/2011	300.30	31.14	269.16	**0.24 J**	--	--	--	--	--	--	--	--	--	
MW-6	5/30/2012	300.30	30.55	269.75	**0.21 J**	--	--	--	--	--	--	<0.0000096	<0.0005	--	
MW-6	8/23/2012	300.30	30.99	269.31	**0.050 J**	--	--	--	--	--	--	--	--	--	collected via hydrosleeve
MW-6	5/6/2013	300.30	30.42	269.88	**--**	--	--	--	--	--	--	--	--	--	
MW-6	5/8/2013	300.30	--	--	**0.40 J**	--	--	--	--	--	--	--	--	--	
MW-6	5/8/2013	300.30	--	--	**0.51 J**	--	--	--	--	--	--	--	--	--	
MW-6	9/16/2013	300.30	30.68	269.62	**0.5**	--	--	--	--	--	--	--	--	--	
MW-6	4/29/2014	300.30	30.81	269.49	**--**	--	--	--	--	--	--	--	--	--	
MW-6	4/30/2014	300.30	--	--	**0.10 J**	--	--	--	--	--	--	--	--	--	
MW-6	10/1/2014	300.30	30.99	269.31	**0.20 J**	--	--	--	--	--	--	--	--	--	
MW-6	5/6/2015	300.30	31.08	269.22	**0.11 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-6	10/20/2015	300.30	30.94	269.36	**0.24 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-6	5/19/2016	300.30	31.20	269.10	**0.053 J**	--	--	--	--	--	--	--	--	--	
MW-6	9/28/2016	300.30	30.94	269.36	**0.29**	--	--	--	--	--	--	--	--	--	
MW-6	5/22/2017	300.30	30.86	269.44	**--**	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-6	10/16/2017	300.30	31.01	269.29	**--**	--	--	--	--	--	--	--	--	--	
MW-6	4/19/2018	300.30	30.56	269.74	**--**	--	--	--	--	--	--	--	--	--	
MW-6	9/4/2018	300.30	31.03	269.27	**--**	--	--	--	--	--	--	-	-	--	
MW-6	4/8/2019	306.64	31.20	275.44	**--**	--	--	--	--	--	--	--	--	--	DTW taken from well survey 6/6/2019
MW-6	9/9/2019	306.64	31.41	275.23	**--**	--	--	--	--	--	--	--	--	--	
MW-6	4/1/2020	306.64	31.41	275.23	**--**	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels[a]					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
MW-6	10/2/2020	306.64	31.03	275.61	--	--	--	--	--	--	--	--	--	--	
MW-6	4/6/2021	306.64	--	--	--	--	--	--	--	--	--	--	--	--	Well frozen at 2.25 feet btoc
MW-6	8/25/2021	306.64	31.03	275.61	--	--	--	--	--	--	--	--	--	--	Well frozen at 2.25 feet btoc
MW-6	3/30/2022	306.64	31.00	--	--	--	--	--	--	--	--	--	--	--	Well frozen at 2.25 feet btoc
MW-6	4/28/2022	306.64	30.70	275.94	--	--	--	--	--	--	--	--	--	--	Well frozen at 2.25 feet btoc
MW-6	7/7/2022	306.64	31.20	275.44	--	--	--	--	--	--	--	--	--	--	Well frozen at 2.25 feet btoc
MW-6	10/6/2022	306.64	30.79	275.85	--	--	--	--	--	--	--	--	--	--	
MW-8	3/30/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate due to ice and snow
MW-8	4/28/2022	--	Dry	--	--	--	--	--	--	--	--	--	--	--	Dry
MW-8	7/7/2022	--	16.20	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-8	10/6/2022	--	16.20	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	3/30/2022	--	Dry	--	--	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-9	4/28/2022	--	16.18	--	--	--	--	--	--	--	--	--	--	--	Insufficient water to sample
MW-9	7/7/2022	--	16.18	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
MW-9	10/6/2022	--	16.18	--	--	--	--	--	--	--	--	--	--	--	Not enough water to sample
Trip Blank	10/6/2003	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	
Trip Blank	12/17/2003	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	
Trip Blank	3/26/2004	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	
Trip Blank	6/5/2004	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	9/27/2004	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	3/24/2005	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	5/17/2005	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	9/25/2005	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	--	--	--	
Trip Blank	9/26/2006	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	3/29/2007	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	9/20/2007	--	--	--	--	--	<0.001	<0.001	<0.001	<0.002	--	--	--	--	
Trip Blank	3/28/2008	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	6/5/2008	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	9/15/2008	--	--	--	--	<0.01	<0.001	<0.001	<0.001	<0.002	--	--	--	--	
Trip Blank	10/28/2008	--	--	--	--	<0.01	<0.001	<0.001	<0.001	<0.002	--	--	--	--	
Trip Blank	5/6/2009	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	9/14/2009	--	--	--	--	<0.010	--	--	--	--	--	--	--	--	Not sampled
Trip Blank	4/21/2010	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	7/22/2010	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	8/3/2011	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	5/30/2012	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	<0.0005	--	
Trip Blank	8/23/2012	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	5/8/2013	--	--	--	--	<0.0070	<0.000062	<0.000077	<0.000081	<0.00022	--	--	--	--	
Trip Blank	9/16/2013	--	--	--	--	<0.050	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
Trip Blank	4/30/2014	--	--	--	--	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	--	--	
Trip Blank	10/1/2014	--	--	--	--	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	--	--	
Trip Blank	5/6/2015	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	10/20/2015	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	5/19/2016	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
Trip Blank	9/28/2016	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
Trip Blank	5/22/2017	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
Trip Blank	9/9/2019		--	--	--	--	--	--	--	--	--	--	--	--	Not sampled
Trip Blank	4/1/2020	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
Trip Blank	10/2/2020	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
Trip Blank	4/6/2021	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
Trip Blank	8/25/2021	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
Trip Blank	3/30/2022	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
Trip Blank	4/28/2022	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
Trip Blank	7/7/2022	--	--	--	--	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
Trip Blank	10/6/2022	--	--	--	--	--	<0.00100	**0.000391 J**	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500J***	

Table 1. Historical Groundwater Gauging and Analytical Results
Third Quarter 2003 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	EDB (mg/L)	EDC (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels[a]					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.000075**	**0.0017**	**0.0017**	
QA (EB)	4/1/2020	--	--	--	**0.929**	**--**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
QA (EB)	10/2/2020	--	--	--	<0.800	**--**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
QA (EB)	4/6/2021	--	--	--	<0.840	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
QA (EB)	8/25/2021	--	--	--	**0.600 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500***	
QA (EB)	3/30/2022	--	--	--	<1.00	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
QA (EB)	4/28/2022	--	--	--	<0.840	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
QA (EB)	7/7/2022	--	--	--	<0.800	--	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500 J***	
QA (EB)	10/6/2022	--	--	--	<0.800	**--**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00000500	<0.00100	***<0.00500J***	

Notes:
ID = Identification
MW = 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
mg/L = Milligrams per liter
<0.00100 = Not detected at or above the reported detection limit (RDL)
Bold = Value detected above 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 associated numerical value is an estimated concentration only
B = The same analyte is found in the associated blank.
-- = Not sampled/not measured/not available
[ ] = Blind Duplicate Sample Result
QA (EB) = Quality Assurance (Equipment Blank)
NAVD88 = North American Vertical Datum of 1988

DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to State of Alaska Method AK102.
GRO = Total petroleum hydrocarbons, gasoline range according to State of Alaska Method AK101.
Samples analytes by USEPA Method 8260D:
Benzene, Toluene, Ethylbenzene and Total xylenes (collectively BTEX)
MTBE = Methyl tert-butyl ether
EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane
Naphthalene
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
LNAPL = Light non-aqueous phase liquid
ADEC = Alaska Department of Environmental Conservation
The laboratory for this site was changed from Eurofins Calscience to Pace Analytical prior to the first quarter 2020 groundwater monitoring event. Prior to this date, Eurofins Calscience was using the carbon ranges as follows: GRO as C6-C10 and DRO as C13-C22. Pace Analytical reports the following carbon ranges: GRO as C5-C12 and DRO as C12-C22.

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Second Quarter 2020 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Acetone (mg/L)	Acrolein (mg/L)	Acrylonitrile (mg/L)	Bromobenzene (mg/L)	Bromochloromethane (mg/L)	Bromodichloromethane (mg/L)	Bromoform (mg/L)	Bromomethane (mg/L)	n-Butylbenzene (mg/L)	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide (mg/L)	Carbon Tetrachloride (mg/L)
Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**	**1.00**	**2.00**	**0.69**	**0.81**	**0.0046**
MW-2	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/2/2020	<0.0500 J	<0.0500 J	<0.0100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00500 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J
MW-2	4/6/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/25/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	3/30/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	4/28/2022	<0.0500 J	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	07/07/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	10/06/2022	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/1/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	10/2/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	8/25/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	10/06/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/2/2020	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	**0.000634 J [0.000781 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/6/2021	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	**0.000471 J [0.000394 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	8/25/2021	<0.0500 [<0.0500]	<0.0500 B [<0.0500 B]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 J [<0.00500 J]	<0.00100 [<0.00100]	**0.000703 J [0.000701 J]**	<0.00100 [<0.00100]	<0.00100 B [<0.00100 B]	<0.00100 [<0.00100]
MW-5	3/30/2022	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	**0.000774 J [0.000726 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/28/2022	<0.0500 J [<0.0500 J]	<0.0500 J [<0.0500 J]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	**0.000646 J [0.000654 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	07/07/2022	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	**0.000779 J [0.000760 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	10/06/2022	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	**0.000760 J [0.000801 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
Trip Blank	4/1/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/2/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/6/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	8/25/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	3/30/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/28/2022	<0.0500 J	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	07/07/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/06/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	4/1/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	**0.00301**	**0.000670 J**	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	10/2/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	**0.000159 J**	<0.00100
QA (EB)	4/6/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	8/25/2021	<0.0500	**0.00341**	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	3/30/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	4/28/2022	<0.0500 J	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	07/07/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	10/06/2022	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Notes:
ID = Identification
MW = Groundwater monitoring well
mg/L = Milligrams per liter
<0.00100 = 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 associated numerical value is an estimated concentration only.
B = The same analyte is found in the associated blank.
[ ] = Blind Duplicate Sample Result
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Second Quarter 2020 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Chlorobenzene (mg/L)	Chlorodibromo-methane (Dibromochloro-methane) (mg/L)	Chloroethane (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	2-Chlorotoluene (o-Chlorotoluene) (mg/L)	4-Chlorotoluene (p-Chlorotoluene) (mg/L)	1,2-Dibromo-3-chloropropane (mg/L)	Dibromomethane (Methylene bromide) (mg/L)	1,2-Dibromoethane (mg/L)	1,2-Dichloroethane (mg/L)	1,2-Dichlorobenzene (mg/L)	1,3-Dichlorobenzene (mg/L)
Groundwater Cleanup Levels		**0.078**	**0.0087**	**21**	**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.000075**	**0.0017**	**0.3**	**0.3**
MW-2	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/2/2020	<0.00100 J	<0.00100 J	<0.00500 J	***<0.00500 J***	<0.00250 J	<0.00100 J	<0.00100 J	<0.00500 J	<0.00100 J	<0.00000500 J	<0.00100 J	<0.00100 J	<0.00100 J
MW-2	4/6/2021	**--**	**--**	**--**	**--**	**--**	--	--	--	--	--	--	**--**	**--**
MW-2	8/25/2021	<0.00100	<0.00100	<0.00500 J	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-2	3/30/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-2	4/28/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250 J	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500 J	<0.00100	<0.00100	<0.00100
MW-2	07/07/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-2	10/06/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250 J	<0.00100	<0.00100	<0.00500	<0.00100	**0.000007**	**0.000136 J**	<0.00100	<0.00100
MW-3	4/1/2020	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-3	10/2/2020	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-3	8/25/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-3	10/06/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
MW-5	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/2/2020	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000667 J [0.000733 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/6/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	8/25/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000620 J [0.000619 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	3/30/2022	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000523 J [0.000573 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/28/2022	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 J [<0.00250 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000541 J [0.000599 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	07/07/2022	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000644 J [0.000687 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	10/06/2022	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 J [<0.00500 J]	<0.00100 [<0.00100]	<0.00000500 [<0.00000500]	**0.000587 J [0.000635 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
Trip Blank	4/1/2020	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	10/2/2020	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	4/6/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	8/25/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	3/30/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	4/28/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250 J	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	07/07/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
Trip Blank	10/06/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	4/1/2020	<0.00100	**0.003**	<0.00500	**0.00148 J**	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	10/2/2020	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	4/6/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	8/25/2021	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	3/30/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	4/28/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250 J	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	07/07/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100
QA (EB)	10/06/2022	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Second Quarter 2020 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	1,4-Dichlorobenzene (mg/L)	Dichlorodifluoromethane (Freon 12) (mg/L)	1,1-Dichloroethane (mg/L)	1,1-Dichloroethene (mg/L)	cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene) (mg/L)	trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene) (mg/L)	1,2-Dichloropropane (mg/L)	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene (mg/L)	trans-1,3-Dichloropropene (mg/L)	Di-isopropyl ether (mg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (mg/L)
Groundwater Cleanup Levels		**0.0048**	**0.2**	**0.028**	**0.28**	**0.036**	**0.36**	**0.0082**	**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**
MW-2	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/2/2020	<0.00100 J	<0.00500 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J
MW-2	4/6/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/25/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	3/30/2022	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	4/28/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	07/07/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	10/06/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/1/2020	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	10/2/2020	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	8/25/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	10/06/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/2/2020	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/6/2021	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	8/25/2021	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	3/30/2022	<0.00100 [<0.00100]	<0.00500 J [<0.00500 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/28/2022	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	07/07/2022	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	10/06/2022	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
Trip Blank	4/1/2020	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/2/2020	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/6/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	8/25/2021	<0.00100	<0.00500	<0.00100	<0.00100	**0.000250 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	3/30/2022	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/28/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	07/07/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/06/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	4/1/2020	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	10/2/2020	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	4/6/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	8/25/2021	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	3/30/2022	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	4/28/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00100**	<0.00100
QA (EB)	07/07/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	10/06/2022	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Second Quarter 2020 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Isopropylbenzene (Cumene) (mg/L)	p-Isopropyltoluene (mg/L)	2-Butanone (Methyl ethyl ketone) (mg/L)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone) (mg/L)	Methyl-tert-butyl ether (mg/L)	Methylene chloride (mg/L)	n-Propylbenzene (Propylbenzene) (mg/L)	Styrene (mg/L)	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane (mg/L)	Tetrachloroethene (Tetrachloroethylene) (mg/L)	1,2,3-Trichlorobenzene (mg/L)	1,2,4-Trichlorobenzene (mg/L)	1,1,1-Trichloroethane (mg/L)
Groundwater Cleanup Levels		**0.45**	**--**	**5.6**	**6.3**	**0.14**	**0.11**	**0.66**	**1.2**	**0.0057**	**0.00076**	**0.041**	**0.007**	**0.004**	**8**
MW-2	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/2/2020	<0.00100 J	<0.00100 J	<0.0100 J	<0.0100 J	<0.00100 J	<0.00500 J	<0.00100 J	<0.00100 J	<0.00100 J	***<0.00100 J***	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J
MW-2	4/6/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/25/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
MW-2	3/30/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
MW-2	4/28/2022	<0.00100	<0.00100	<0.0100 J	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100	<0.00100
MW-2	07/07/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
MW-2	10/06/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/1/2020	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	10/2/2020	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	4/6/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	8/25/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
MW-3	10/06/2022	<0.00100	<0.00100	<0.0100 J	**0.000478 J**	<0.00100	<0.00500	<0.00100	<0.00100 J	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
MW-5	4/1/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/2/2020	<0.00100 [<0.00100]	<0.00100 **[0.000586 J]**	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	4/6/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	8/25/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	3/30/2022	**0.000140 J [0.000132 J]**	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	**0.000416 J** [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]
MW-5	4/28/2022	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 J [<0.0100 J]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	07/07/2022	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]
MW-5	10/06/2022	**0.000132 J [0.000157 J]**	<0.00100 [<0.00100]	<0.0100 J [<0.0100 J]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]
Trip Blank	4/1/2020	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/2/2020	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/6/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	8/25/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	**0.000466 J**	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	3/30/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
Trip Blank	4/28/2022	<0.00100	<0.00100	<0.0100 J	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100	<0.00100
Trip Blank	07/07/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
Trip Blank	10/06/2022	<0.00100	<0.00100	<0.0100 J	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100 J	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
QA (EB)	4/1/2020	<0.00100	**0.000632 J**	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	10/2/2020	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	4/6/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	8/25/2021	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100
QA (EB)	3/30/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
QA (EB)	4/28/2022	<0.00100	<0.00100	<0.0100 J	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100	<0.00100
QA (EB)	07/07/2022	<0.00100	<0.00100	<0.0100	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100
QA (EB)	10/06/2022	<0.00100	<0.00100	<0.0100 J	<0.0100	<0.00100	<0.00500	<0.00100	<0.00100 J	<0.00100	***<0.00100***	<0.00100	<0.00100 J	<0.00100 J	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Second Quarter 2020 through 2022
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	1,1,2-Trichloroethane (mg/L)	Trichloroethene (Trichloroethylene) (mg/L)	Trichlorofluoromethane (Freon 11) (mg/L)	1,2,3-Trichloropropane (mg/L)	1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113) (mg/L)	1,2,3-Trimethylbenzene (mg/L)	1,2,4-Trimethylbenzene (mg/L)	1,3,5-Trimethylbenzene (mg/L)	Vinyl Chloride (mg/L)	Comments
Groundwater Cleanup Levels		**0.00041**	**0.0028**	**5.2**	**0.0000075**	**10**	**--**	**0.056**	**0.06**	**0.00019**	
MW-2	4/1/2020	--	--	--	--	--	--	--	--	--	Well obstructed by ice, sample not collected
MW-2	10/2/2020	***<0.00100 J***	<0.00100 J	<0.00500 J	<0.00000500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J	***<0.00100 J***	
MW-2	4/6/2021	**--**	--	--	--	**--**	--	**--**	--	**--**	Well frozen at roughly 2 feet btoc
MW-2	8/25/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-2	3/30/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-2	4/28/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500 J	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100 J***	
MW-2	07/07/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-2	10/06/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-3	4/1/2020	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-3	10/2/2020	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-3	4/6/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-3	4/6/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-3	8/25/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-3	10/06/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-5	4/1/2020	--	--	--	--	--	--	--	--	--	Well obstructed by ice, sample not collected
MW-5	10/2/2020	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	
MW-5	4/6/2021	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	
MW-5	8/25/2021	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	
MW-5	3/30/2022	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.000350 J** [<0.00100]	***<0.00100 [<0.00100]***	
MW-5	4/28/2022	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.0010000 J [<0.00100 J]***	
MW-5	07/07/2022	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	
MW-5	10/06/2022	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	**0.000106 J** [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	
Trip Blank	4/1/2020	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	10/2/2020	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	4/6/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	8/25/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	3/30/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	4/28/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100 J***	
Trip Blank	07/07/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	10/06/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	4/1/2020	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	10/2/2020	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	4/6/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	8/25/2021	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	3/30/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	4/28/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100 J***	
QA (EB)	07/07/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
QA (EB)	10/06/2022	***<0.00100***	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	

Table 3. Historical Groundwater Polycyclic Aromatic Hydrocarbons (PAHs) Analytical Data
Chevron-Branded Service Station 91252
11836 Old Glenn Highway
Eagle River, Alaska

Well ID	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Ethene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
ADEC Groundwater Cleanup Levels[a]		**0.53**	**0.26**	**0.043**	**0.0003**	**0.00025**	**0.0025**	**0.00026**	**0.0008**	**0.002**	**0.00025**	**NC**	**0.26**	**0.29**	**0.00019**	**0.0017**	**0.17**	**0.12**
MW-1R	05/22/2017	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	**0.00012 J**	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.00029	<0.00029	**0.00015 J**
MW-2	05/22/2017	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.000029	<0.000029	<0.0000096
MW-3	05/22/2017	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.00029	<0.00029	<0.000095
MW-4	05/22/2017	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.000029	<0.000029	<0.0000096
MW-5	05/22/2017	**0.00024 [0.00026]**	**0.000083 [0.000091]**	**0.00013 [0.00014]**	**0.000011 J [0.000010 J]**	**0.000010 J** [<0.0000098]	**0.000027 J [0.000027 J]**	**0.000025 J [0.000023 J]**	<0.0000097 [<0.0000098]	**0.000040 J [0.000039 J]**	<0.0000097 [<0.0000098]	**0.000041 J [0.000040 J]**	**0.000041 J [0.000040 J]**	**0.0018 [0.0020]**	**0.000010 J** [<0.0000098]	**0.0014 [0.00082]**	**0.0012 [0.0013]**	**0.000068 [0.000065]**
MW-6	05/22/2017	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	<0.0000097	**0.00059**	<0.000029	<0.0000097

Notes:
PAHs = Poly aromatic hydrocarbons by Method SW8270
ID = Identification
MW = Groundwater monitoring well
ADEC = Alaska Department of Environmental Conservation
[a] = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)
[1] = Level set at soulubility concentration, followed by human health risk-based cleanup level in parentheses
Bold = At or above the method detection limit (MDL)
mg/L = milligrams per liter
J = The associated numerical value is an estimated concentration only
- = Not measured / not analyzed
<0.000097= Constituent not detected above method detection limit (MDL)
[ ] = Blind Duplicate Sample Result

Attachment D

ADEC Data Review Checklist

Laboratory Data Review Checklist

Completed By:

Dilip Kumar H S

Title:

Project Chemist

Date:

May 27, 2024

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1731946

Laboratory Report Date:

5/2/2024

CS Site Name:

Second Quarter 2024 Groundwater Monitoring Report

ADEC File Number:

2107.26.003

Hazard Identification Number:

23705

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

1. Laboratory

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☐ No☐ N/A☒ Comments:

Not applicable.

2. Chain of Custody (CoC)

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. Were the correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

Yes.

3. Laboratory Sample Receipt Documentation

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☒ No☐ N/A☐ Comments:

Yes. no discrepancies.

e. Is the data quality or usability affected?

Comments:

Data quality or usability was not affected.

4. Case Narrative

a. Is the case narrative present and understandable?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

Yes. no discrepancies.

c. Were all corrective actions documented?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

Data quality or usability was not affected.

5. Samples Results

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

Yes☒ No☐ N/A☐ Comments:

Yes.

b. Are all applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☒ N/A☐ Comments:

No soil samples were submitted for analysis.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

e. Is the data quality or usability affected?

Data quality or usability was not affected.

6. QC Samples

a. Method Blank

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☒ N/A☐ Comments:

No.

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

Comments:

Sample Locations	Method	Compound	Sample Result	Qualification
MW-6-W-20240501	AK 102	AK102 DRO C10-C25	Detected sample results <RL and <BAL	"UB" at the RL
MW-5-W-20240501			Detected sample results >RL and <BAL	"UB" at 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 Locations	Method	Compounds	LCS Recovery
MW-2-W-20240501 MW-3-W-20240501 MW-4-W-20240501 MW-5-W-20240501 MW-6-W-20240501 BD-1-W-20240501 EQB-W-20240501	8270E SIM	Benzo(b)fluoranthene	> UL
		Fluorene	> UL
		Pyrene	> UL

Note:
UL – Upper control limit

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

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

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

Method SW846 8270E SIM: LCS recovery for benzo(b)fluoranthene, fluorene, and pyrene were greater than the control limit. Detected results in samples MW-2-W-20240501, MW-3-W-20240501, MW-4-W-20240501, MW-5-W-20240501, MW-6-W-20240501, BD-1-W-20240501, and EQB-W-20240501 were qualified as estimated (J).

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

The LCS 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-20240501.

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-20240501.

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:

Yes.

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:

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

Sample Location	Compounds
MW-5-W-20240501	Naphthalene
	2-Methylnaphthalene

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:

RPD:
Method SW846 8270E SIM: MS/MSD RPD for naphthalene, and 2-methylnaphthalene were greater than the control limit in sample MW-5-W-20240328. Target compound result in associated samples MW-5 and the associated field duplicate sample BD-1 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:

RPD exceedances 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_20240501 and TRIP BLANK 2_20240501.

ii. Are all results less than LOQ or RL?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

None of the samples were affected.

iv. Is data quality or usability affected?

Comments:

Data quality or usability was not affected.

f. Field Duplicate

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

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Was the duplicate submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

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

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☒ No☐ N/A☐ Comments:

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Methods	Compounds / Analytes	Sample Result	Duplicate Result	RPD
MW-5-W-20240501 / BD-1-W-20240501	6010 D	Lead, Dissolved	8.9	4.0 J	AC
	8260D	1,2-Dichloroethane	1.0 U	0.615 J	AC
		Benzene	0.253 J	0.274 J	AC
	AK 102	AK102 DRO C10-C25	992	1310	AC
	8270E-SIM	Anthracene	0.0345 J	0.055 U	AC
		Acenaphthene	0.132	0.0851	AC
		Fluorene	0.967	0.694	AC
		Phenanthrene	0.558	0.370	AC
		2-Chloronaphthalene	0.627 J	0.044 J	AC

Note:
AC Acceptable

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-W-20240501.

ii. Are all results less than LOQ or RL?

Yes☐ No☒ N/A☐ Comments:

No.

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

Comments:

Sample Locations	Method	Compound	Sample Result	Qualification
MW-2-W-20240501 MW-4-W-20240501 MW-6-W-20240501	AK102	AK102 DRO C10-C25	Detected sample results <RL and <BAL	"UB" at RL
MW-5-W-20240501			Detected sample results >RL and <BAL	"UB" at detected sample concentration

Notes:
RL Reporting limit
BAL Blank action level

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:

Not applicable.