Ms. Rebekah Reams
Alaska Department of Environmental Conservation
Spill Prevention and Response, Contaminated Sites Program
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Fairbanks, Alaska 99709

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Date: December 14, 2023
Our Ref: 30063586
Subject: Second Semi-Annual 2023 Groundwater Monitoring Report
Texaco Property - 1501 S. Cushman
(Former Texaco-Branded Service Station 211079)
1501 South Cushman Street, Fairbanks, Alaska
ADEC File No.: 102.26.015
ADEC Hazard ID: 24169

Dear Ms. Reams,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis), has prepared this report to document the second semi-annual 2023 groundwater monitoring activities for the Texaco Property - 1501 S. Cushman (Former Texaco-Branded Service Station #211079), located at 1501 South Cushman Street, Fairbanks, Alaska (site). This work was conducted under the direction of a “Qualified Environmental Professional” (QEP) by a “Qualified Sampler” (18 Alaska Administrative Code [AAC] 75.333).

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

Sincerely,

Arcadis U.S., Inc.

Gerald A. Robinson
Project Manager
Email: Gerald.Robinson@arcadis.com
Direct Line:
724.934.9507

Copies
James Kiernan, CEMC *(electronic copy)*
Francis Wozniak *(electronic copy)*
Vatali Kuzmich
J. Darrel Jeffrey
Phillip Jackson
Three Gs, LLC

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
December 14, 2023

SECOND SEMI-ANNUAL GROUNDWATER MONITORNG REPORT

December 14, 2023

Work Conducted This Period [Second Semi-annual 2023]:

1. Conducted semi-annual groundwater monitoring activities on September 22, 2023
2. Prepared the *Second Semi-Annual 2023 Groundwater Monitoring Report*.
3. Prepare and submit 2023 *Remedial Implementation Report*.

Work Proposed Next Period [First Semi-annual 2024]:

1. Conduct the First Semi-annual 2024 groundwater monitoring activities.
2. Prepare the *First Semi-Annual* 2024 *Groundwater Monitoring Report.*

Site Description

The site is located in Fairbanks, Alaska and is situated in the south-central area of the state in the Tanana River Valley at an elevation of approximately 440 feet above sea level. Shallow streams and abandoned meander scars are found throughout the valley. Static groundwater depths historically range between 3.80 and 17.12 feet below top of casing. Groundwater flow is primarily northwest.

The site is a former Texaco service station and is currently owned and operated as a butcher shop by Francis and Cynthia Wozniak. The site operated as an active service station from 1963 to 1986. Original site features included six underground storage tanks (USTs), dispenser islands, product piping, a station building, and a car wash. Three gasoline USTs, product lines, and dispenser islands were removed in from the site 1988. In 1991, one waste-oil UST was removed from the site (USEPA 1993; Arcadis 2006). According to Alaska Department of Environmental Conservation (ADEC) records, the remaining two gasoline USTs were removed from the site in 1993 (ADEC UST Database 2021b). An air sparge/soil vapor extraction (AS/SVE) system operated onsite from 1993 until 2000. The AS/SVE system was decommissioned in 2013.

The presumed sources of petroleum hydrocarbon contamination are the original gasoline USTs, dispenser islands, and/or associated piping. The release of petroleum products at the site likely occurred between 1963 (when the USTs were installed) and 1988 when the USTs and other site facilities were removed. Petroleum impacted soil and groundwater were first observed in 1988 during the UST removal.

There are ongoing Cool-ox® injections approved by ADEC and the United States Environmental Protection Agency (USEPA) through the Underground Injection Control Program into several of the monitoring wells at an interval of 30 days between treatments. These injections were implemented in 2022 and 2023.

On April 12, 2023, ADEC approved a *Groundwater Sampling Analyte Reduction Request – Groundwater Sampling Work Plan Addendum,* which included monitoring and sampling of monitoring wells MW-2, MW-5, MW-6, MW-9, MW-10, MW-11, and MW-14R and the gauging only of monitoring wells MW-1 and MW-4 on a semi-annual basis. The surrounding properties are primarily commercial; the site is bordered by businesses to the north, south, east, and west. A site location map and site plan are shown as **Figures 1** and **2**, respectively.

Ms. Rebekah Reams
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December 14, 2023

Site Activities this Reporting Period

Current phase of project:	Monitoring
Frequency of monitoring and sampling:	Semi-annual
Monitoring wells containing light non-aqueous phase liquid (LNAPL):	None
Cumulative LNAPL recovered to date: (gallons)	0.00
Approximate depth to groundwater: (feet below top of casing)	11.59 (MW-9) to 13.66 (MW-1)
Approximate groundwater elevation: (feet relative to NAVD88)	432.09 (MW-2) to 432.52 (MW-11)
Groundwater flow direction	North
Groundwater gradient (feet per foot)	0.043
Current remediation techniques:	Cool-Ox® injections
Summary of unusual activity:	None
Agency directive requirements:	None

Groundwater Gauging and Sampling Methods

From September 20 through 22, 2023, the second semi-annual 2023 groundwater monitoring and sampling activities were conducted. Groundwater monitoring wells scheduled to be gauged and/or sampled are summarized in **Table 1**. Monitoring wells were gauged with an oil/water interface probe in the order of lowest to highest historical petroleum hydrocarbon concentrations in groundwater to determine groundwater elevations and ascertain if LNAPL was present. Following gauging, groundwater was purged and sampled using low flow purge technology via submersible pump in accordance with the Field Sampling Guidance (ADEC 2022a) and *Arcadis Standard Groundwater Sampling and Monitoring Wells (Arcadis 2022a)*. Non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water. 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. Water quality parameters were monitored during purging with a multi-parameter water quality meter equipped with a flow through cell and turbidity meter. Parameters were recorded every 3 to 5 minutes until a minimum of three (minimum of four if using temperature as an indicator) of the parameters listed below stabilized. Water quality parameters were considered stable when three successive readings were within the following ADEC limits:

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

Following well stabilization, the flow rate was reduced to 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**). The groundwater potentiometric surface elevation and a rose diagram of historical groundwater flow directions are illustrated on **Figure 3**.

Groundwater samples were submitted to Pace Analytical National Center for Testing & Innovation (Pace) of Mt. Juliet, Tennessee for laboratory analysis of the following constituents:

- Select volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260D.
- Total petroleum hydrocarbons as gasoline range organics (GRO) by Alaska Method AK101.
- Total petroleum hydrocarbons as diesel range organics (DRO) by Alaska Method AK102.
- Lead by United States Environmental Protection Agency (USEPA) Method 6010D.

A groundwater duplicate sample (BD-1) was collected from monitoring well MW-10 and submitted blind to Pace. Additionally, a trip blank (Trip Blank) was included in sample coolers for quality assurance purposes. Field notes collected during groundwater monitoring activities including monitoring well purge rates and drawdown are presented in **Attachment A**.

Groundwater Sampling Results

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

- Benzene was detected at concentrations above the ADEC GCL of 4.6 micrograms per liter (µg/L) in the groundwater sample collected from monitoring well MW-14R at a concentration of 18.1 µg/L.
- Naphthalene was detected at concentrations above the ADEC GCL of 1.7 µg/L in the groundwater sample collected from monitoring well MW-9 at an estimated concentration of 2.33 µg/L.
- 1,2,4-trimethylbenzene was detected at concentrations above the ADEC GCL of 56 µg/L in the groundwater sample collected from monitoring well MW-9 at a concentration of 174 µg/L.
- 1,3,5-trimethylbenzene was detected at concentrations above the ADEC GCL of 60 µg/L in the groundwater sample collected from monitoring well MW-5 at a concentration of 61.8 µg/L.

Remaining analytes were not detected above ADEC GCLs. A historical summary of groundwater data collected from the second quarter 1994 to fourth quarter 2022 presented in **Attachment C**.

Laboratory Data Review

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

Accuracy:

- Continuing calibration recovery was lower than the control limit for naphthalene in the Trip Blank for USEPA Method 8260D. Analytical results in the associated sample location (the Trip Blank) were qualified as estimated.

Comparability:

- GRO was detected below the reporting limit in the method blank and trip blank for Alaska Method AK 101. Based on blank evaluation, the analytical results for GRO in samples MW-10, MW-2, MW-6, MW-14R, and DUP-1 were qualified as non-detect.
- DRO was detected below the reporting limit in the method blank for Alaska Method AK 102. Based on blank evaluation, the analytical results for DRO in samples MW-5, MW-9, MW-2, and MW-10 were qualified as non-detect.

Sensitivity:

- The concentration of benzene exceeded the ADEC GCL in sample MW-14R.
- The concentrations of naphthalene and 1,2,4-trimethylbenzene exceeded the ADEC GCL in sample MW-9.
- The concentration of 1,3,5-trimethylbenzene exceeded the ADEC GCL in sample MW-5.
- The laboratory reported detection limits for naphthalene, 1,1,2-trichloroethane, and 1,2,3-trichloropropane exceed the ADEC GCLs. The sensitivity of the analyses was adequate for the samples, as the detection limits were less than the ADEC GCLs for compounds with above exceptions.
- 1,2,3-Trichloropropane analyzed by USEPA method 524/8260 hybrid procedure by the laboratory. The results are considered from the lower reporting limit, but surrogate recoveries were not reported for USEPA method 524. Therefore, the results for 1,2,3-trichloropropane are non-detects and qualified as estimated (UJ) in sample MW-2, MW-5, MW-6, MW-9, MW-10, MW-11, MW-14R, and DUP-1.

Investigation Derived Waste

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

Conclusion and Recommendations

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

Arcadis recommends the continuation of groundwater sampling in accordance with the current semi-annual schedule. The first semi-annual sampling event will be conducted in spring of 2024.

References

ADEC. 2021. Underground Storage Tank Database. September 1.

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

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

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

Arcadis. 2006. Request For NFRAP. December 14.

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

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

USEPA. 1993. Re: UST Closure; Block 101, Lost 10111 EA, East Ramp, Fairbanks International Airport. August 5, 1993.

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
December 14, 2023

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

Sincerely,

Arcadis U.S., Inc.

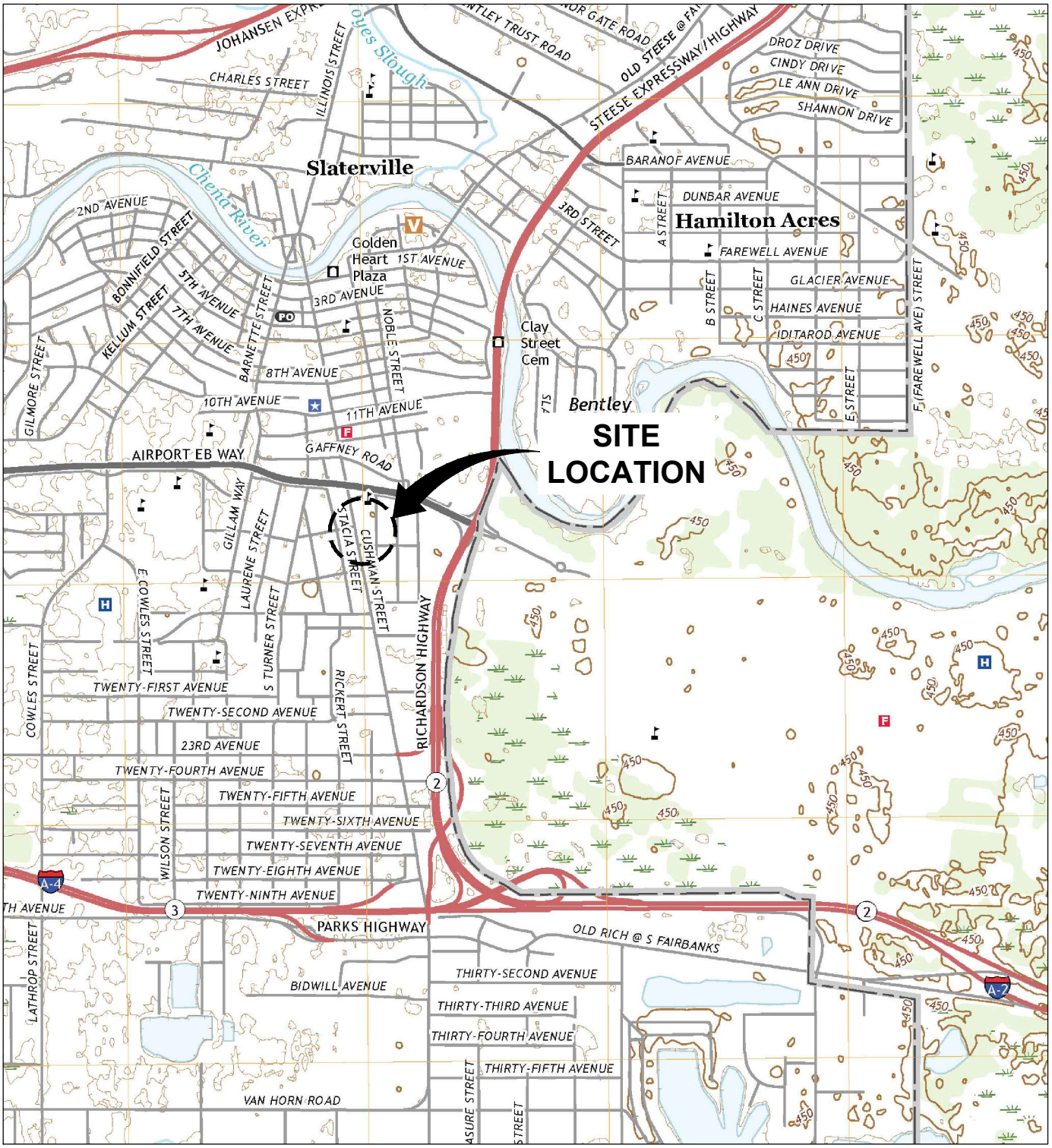
Jesse Wood
Project Task Manager

Gerald A. Robinson
Project Manager

Enclosures:

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

Figures



SOURCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., FAIRBANKS D-2 SE, PHOTOGRAPHED 2017.

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

TEXACO PROPERTY - 1501 S. CUSHMAN
(FORMER TEXACO 211079)
1501 CUSHMAN STREET
FAIRBANKS, ALASKA

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY: BANGALORE, INDIA DIV/GROUP: ENV/IM-DV DB: PAVAN KUMAR A PM: TM: LYR:ON=*;OFF=REF, (FRZ)
C:\Users\shankarv4688\DC\ACCDocs\Arcadis\AUS-CHEVRON-211079-FAIRBANKS Alaska\Project Files\2023\01-In Progress\01-DWG\GWM- F02-SITE PLAN.dwg LAYOUT: 2 SAVED: 7/3/2023 3:43 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 7/3/2023 4:56 PM
BY: SHANKARAPPA, VASANTH KUMAR

N

15th AVENUE

MW-14

MW-16

MW-8

ALLEY

BUILDING

MW-1

CUSHMAN STREET

MW-7

VP-2

MW-9

MW-15

BUILDING

MW-13

MW-14R

15th AVENUE

PATTERSON PROPERTY

VP-1

MW-6

MW-12

MW-2

FORMER USTs

MW-4

MW-10

MW-5

FORMER DISPENSER ISLAND

SVE SHED

BUILDING

MW-1

MIDTOWN MARKET

MW-3

MW-3R

MW-11

LACEY STREET

0 40' 80'

APPROXIMATE SCALE 1 in. = 40 ft.

LEGEND:

- PARCEL BOUNDARY
- MW-11 GROUNDWATER MONITORING WELL
- MW-3 DESTROYED GROUNDWATER MONITORING WELL
- VP-1 SOIL VAPOR PROBE
- USTs UNDERGROUND STORAGE TANKS

NOTE:
SVE = SOIL VAPOR EXTRACTION

TEXACO PROPERTY - 1501 S. CUSHMAN
(FORMER TEXACO 211079)
1501 CUSHMAN STREET
FAIRBANKS, ALASKA

SITE PLAN

ARCADIS

FIGURE
2

CITY: BANGALORE, INDIA DIV/GROUP: ENV/IM-DV DB: PAVAN KUMAR A PM: TM: LYR:ON=*;OFF=REF, (FRZ)
C:\Users\agnihots3396\DC\ACCDocs\Arcadis\AUS-CHEVRON-211079-FAIRBANKS Alaska\Project Files\2023\01-In Progress\01-DWG\GWM-2023SA2-F03-GROUNDWATER CONTOUR.dwg LAYOUT: 3 SAVED: 12/11/2023 8:16 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
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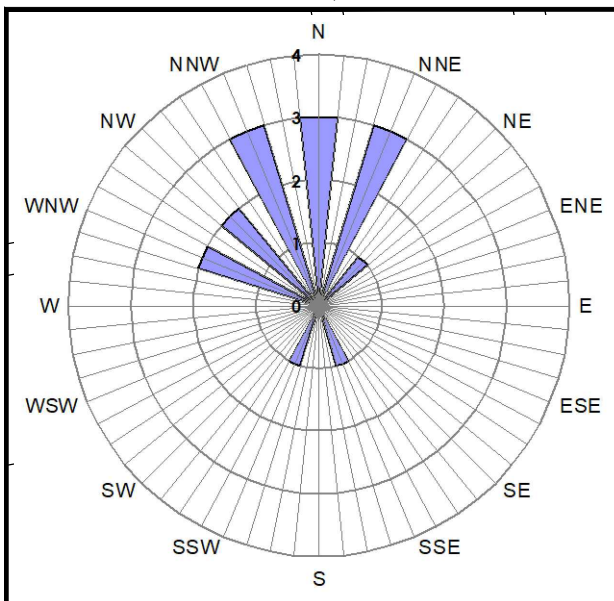

HISTORIC GROUNDWATER FLOW DIRECTION

N

MW-14

MW-16

MW-8

ALLEY

BUILDING

MW-1

CUSHMAN STREET

MW-7

MW-15

MW-9 (432.20)

432.20

432.30

BUILDING

MW-14R (432.21)

MW-13

432.10

15th AVENUE

MW-2 (432.09)

FORMER USTs

MW-4 (432.25)

MW-10 (432.41)

PATTERSON PROPERTY

MW-5 (432.27)

FORMER DISPENSER ISLAND

MW-6 (432.28)

0.043 FT/FT

SVE SHED

MW-12

MW-1 (432.46)

MIDTOWN MARKET

BUILDING

432.40

432.50

MW-3R

MW-3

MW-11 (432.52)

LACEY STREET

LEGEND:

	PARCEL BOUNDARY
MW-11	GROUNDWATER MONITORING WELL
MW-3	DESTROYED GROUNDWATER MONITORING WELL
USTs	UNDERGROUND STORAGE TANKS
(432.52)	GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
432.50	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW
0.043 FT/FT	APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988

0 40' 80'

APPROXIMATE SCALE 1 in. = 40 ft.

TEXACO PROPERTY - 1501 S. CUSHMAN
(FORMER TEXACO 211079)
1501 CUSHMAN STREET
FAIRBANKS, ALASKA

GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 20-22, 2023

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FIGURE 3

CITY: BANGALORE, INDIA DIV/GROUP: ENV/IM-DV DB: PAVAN KUMAR A PM: TM: LYR:ON=*;OFF=REF, (FRZ)
C:\Users\shankarv4688\DC\ACCDocs\Arcadis\AUS-CHEVRON-211079-FAIRBANKS Alaska\Project Files\2023\01-In Progress\01-DWG\GWM-2023SA2-F04-GROUNDWATER ANALYTICAL.dwg LAYOUT: 4 SAVED: 11/8/2023 6:11 AM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
PLOTTED: 11/8/2023 6:11 AM BY: SHANKARAPPA, VASANTH KUMAR

N

15th AVENUE

MW-14

MW-16

MW-8

ALLEY

MW-2	
Sample Date	09/22/2023
Benzene	**0.558 J**
Naphthalene	***<5.00***
1,2,4-Trimethylbenzene	**48.6**
1,3,5-Trimethylbenzene	<1.00

BUILDING

MW-1

CUSHMAN STREET

MW-7

MW-9	
Sample Date	09/20/2023
Benzene	**0.504 J**
Naphthalene	**2.33 J**
1,2,4-Trimethylbenzene	**174**
1,3,5-Trimethylbenzene	**43.9**

MW-15

MW-9

MW-14R	
Sample Date	09/20/2023
Benzene	**18.1**
Naphthalene	***<5.00***
1,2,4-Trimethylbenzene	<1.00
1,3,5-Trimethylbenzene	<1.00

MW-13

MW-14R

MW-10	
Sample Date	09/22/2023
Benzene	<1.00 [<1.00]
Naphthalene	***<5.00 [<5.00]***
1,2,4-Trimethylbenzene	**1.90 [0.659 J]**
1,3,5-Trimethylbenzene	**0.445 J** [<1.00]

15th AVENUE

PATTERSON PROPERTY

MW-2

FORMER USTs

MW-4 (NS)

MW-10

MW-5

FORMER DISPENSER ISLAND

SVE SHED

MW-6

MW-12

MW-1 (NS)

MIDTOWN MARKET

BUILDING

MW-11	
Sample Date	09/22/2023
Benzene	<1.00
Naphthalene	***<5.00***
1,2,4-Trimethylbenzene	**4.83**
1,3,5-Trimethylbenzene	**3.00**

MW-3R

MW-3

MW-11

MW-6	
Sample Date	09/22/2023
Benzene	**0.407 J**
Naphthalene	***<5.00***
1,2,4-Trimethylbenzene	**0.668 J**
1,3,5-Trimethylbenzene	<1.00

MW-5	
Sample Date	09/22/2023
Benzene	**0.204 J**
Naphthalene	***<5.00***
1,2,4-Trimethylbenzene	**46.6**
1,3,5-Trimethylbenzene	**61.8**

LEGEND:

——- - ——	PARCEL BOUNDARY
MW-11	GROUNDWATER MONITORING WELL
MW-3	DESTROYED GROUNDWATER MONITORING WELL
USTs	UNDERGROUND STORAGE TANKS
<1.00	NOT DETECTED AT OR ABOVE THE LABORATORY REPORTED DETECTION LIMIT (RDL)
BOLD	VALUE EXCEEDS ADEC GROUNDWATER CLEANUP LEVEL
BOLD	VALUE EXCEEDS METHOD DETECTION LIMIT (MDL)
BOLD	CONSTITUENT CONSIDERED NON-DETECT, HOWEVER LABORATORY RDL IS GREATER THAN THE ADEC GROUNDWATER CLEANUP LEVEL
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
(NS)	NOT SAMPLED
µg/L	MIICROGRAMS PER LITER
[<5.00]	DUPLICATE SAMPLE
J	THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY

NOTE:

1. SVE = SOIL VAPOR EXTRACTION

Analyte	ADEC Groundwater Cleanup Levels
Benzene	4.6
Naphthalene	1.7
1,2,4-Trimethylbenzene	56
1,3,5-Trimethylbenzene	60

Concentration in µg/L

0 40' 80'

APPROXIMATE SCALE 1 in. = 40 ft.

TEXACO PROPERTY - 1501 S. CUSHMAN
(FORMER TEXACO 211079)
1501 CUSHMAN STREET
FAIRBANKS, ALASKA

GROUNDWATER ANALYTICAL RESULTS MAP SEPTEMBER 20-22, 2023

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FIGURE 4

Tables

Table 1
Groundwater Monitoring Schedule
Second Semi Annual 2023
Texaco Property - 1501 S. Cushman
(Former Texaco 211079)
1501 Cushman Street
Fairbanks, Alaska

Well ID	Sample Schedule	Gauge	Sample	Comment
MW-1	Semi Annual	Y	N	
MW-2	Semi Annual	Y	Y	
MW-4	Semi Annual	Y	N	
MW-5	Semi Annual	Y	Y	
MW-6	Semi Annual	Y	Y	
MW-9	Semi Annual	Y	Y	
MW-10	Semi Annual	Y	Y	
MW-11	Semi Annual	Y	Y	
MW-14R	Semi Annual	Y	Y	
BD	Semi Annual	N	Y	
TB	Semi Annual	N	Y	
EQB	Semi Annual	N	Y	
MS/MSD	Semi Annual	N	Y	

Note:

Wells are sampled for select volatile organic compounds including benzene, toluene, ethylbenzene, total xylenes, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1,2,3-trichloropropane, 1,1,2-trichloroethane by United States Environmental Protection Agency Method 8260D, total petroleum hydrocarbons as gasoline range organics by Alaska Method AK101, total petroleum hydrocarbons as diesel range organics by Alaska Method AK102, and total Lead by USEPA Method 6010D.

Table 2
Current Groundwater Gauging and Analytical Results
Second Semi Annual 2023
Texaco Property - 1501 S. Cushman
(Former Texaco 211079)
1501 Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	TOC (feet)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	1,1,2-Trichloroethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Lead	Comments
ADEC Groundwater Cleanup Levels					**1,500**	**2,200**	**4.6**	**1,100**	**15**	**190**	**1.7**	**0.41**	**0.0075**	**56**	**60**	**15**	
MW-1	09/22/23	446.12	13.66	432.46	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-2	09/22/23	444.44	12.35	432.09	<800 B	<100 B	**0.558 J**	<1.00	<1.00	**0.600 J**	***<5.00***	***<1.00***	***<0.500 J***	**48.6**	<1.00	<6.00	
MW-4	09/22/23	444.18	11.93	432.25	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-5	09/22/23	444.90	12.63	432.27	***<1,930 B***	**790**	**0.204 J**	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500 J***	**46.6**	**61.8**	**9.11**	
MW-6	09/22/23	444.68	12.40	432.28	<800	<100 B	**0.407 J**	**0.283 J**	**0.238 J**	**0.541 J**	***<5.00***	***<1.00***	***<0.0500 J***	**0.668 J**	<1.00	**10.0**	
MW-9	09/20/23	443.79	11.59	432.20	<800 B	**813**	**0.504 J**	**0.821 J**	**9.82**	**36.0**	**2.33 J**	***<1.00***	***<0.500 J***	**174**	**43.9**	<6.00	
MW-10	09/22/23	444.14	11.73	432.41	**<800 B [<800]**	<166 B [<125 B]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<3.00 [<3.00]	***<5.00 [<5.00]***	***<1.00 [<1.00]***	***<0.0500 J [<0.0500 J]***	**1.90 [0.659 J]**	**0.445 J** [<1.00]	<6.00 [<6.00]	
MW-11	09/22/23	445.58	13.06	432.52	<800	**384**	<1.00	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500 J***	**4.83**	**3.00**	<6.00	
MW-14R	09/20/23	444.62	12.41	432.21	<800	<100 B	**18.1**	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500 J***	<1.00	<1.00	<6.00	

Notes:
1. GRO analyzed by Alaska Method AK101 and DRO analyzed by AK102
2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. Remaining constituents of concern analyzed by USEPA Method 8260D except where noted above.
4. All results reported in micrograms per liter (µg/L).

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed
[ ] = 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
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
bTOC = Below top of casing
DRO = Total petroleum hydrocarbons, diesel range organics
DTW = Depth to groundwater
feet = Relative to NAVD88
GRO = Total petroleum hydrocarbons, gasoline range organics
GW Elev. = Groundwater elevation
ID = Identification
J = The associated numerical value is an estimated concentration only
MW = Groundwater monitoring well

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
Historical Groundwater Gauging and Analytical Results
First Semi Annual 2023 to Second Semi Annual 2023
Texaco Property - 1501 S. Cushman
(Former Texaco 211079)
1501 Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	TOC (feet)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	1,1,2-Trichloroethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Lead	Comments
ADEC Groundwater Cleanup Levels					1,500	2,200	4.6	1,100	15	190	1.7	0.41	0.0075	56	60	15	
MW-1	06/06/23	446.12	13.61	432.51	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-1	09/22/23	446.12	13.66	432.46	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-2	06/06/23	444.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Ice dams, could not break the ice free, no samples were collected, DTW is depth to ice dam
MW-2	09/22/23	444.44	12.35	432.09	<800 B	<100 B	**0.558 J**	<1.00	<1.00	**0.600 J**	***<5.00***	***<1.00***	***<0.500 J***	**48.6**	<1.00	<6.00	
MW-4	06/06/23	444.18	11.82	432.36	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-4	09/22/23	444.18	11.93	432.25	--	--	--	--	--	--	--	--	--	--	--	--	Gauge only
MW-5	06/06/23	444.90	12.55	432.35	**1,100 [1,040]**	**645 J [727]**	***<10.0 [<5.00]***	<10.0 [<5.00]	<10.0 [<5.00]	<30.0 [<15.0]	***<50.0 [<25.0]***	***<10.0 [<5.00]***	***<0.0500 J [<0.0500]***	**26.3 [35.1]**	**19.8 J [24.0]**	<6.00 [<6.00 B]	
MW-5	09/22/23	444.90	12.63	432.27	***<1930 B***	**790**	**0.204 J**	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500 J***	**46.6**	**61.8**	**9.11**	
MW-6	06/06/23	444.68	12.42	432.26	<800 B	**36.1 J**	<1.00	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500***	<1.00	<1.00	<6.00 B	
MW-6	09/22/23	444.68	12.40	432.28	<800	<100 B	**0.407 J**	**0.283 J**	**0.238 J**	**0.541 J**	***<5.00***	***<1.00***	***<0.0500 J***	**0.668 J**	<1.00	**10.0**	
MW-9	06/06/23	443.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Ice dams, could not break the ice free, no samples were collected
MW-9	09/20/23	443.79	11.59	432.20	<800 B	**813**	**0.504 J**	**0.821 J**	**9.82**	**36.0**	**2.33 J**	***<1.00***	***<0.500 J***	**174**	**43.9**	<6.00	
MW-10	06/06/23	444.14	11.74	432.4	<800 B	**52.4 J**	<1.00	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500***	<1.00	<1.00	<6.00 B	
MW-10	09/22/23	444.14	11.73	432.41	**<800 B [<800]**	<166 B [<125 B]	<1.00 [<1.00]	<1.00 [<1.00]	<1.00 [<1.00]	<3.00 [<3.00]	***<5.00 [<5.00]***	***<1.00 [<1.00]***	***<0.0500 J [<0.0500 J]***	**1.90 [0.659 J]**	**0.445 J [<1.00]**	<6.00 [<6.00]	
MW-11	06/06/23	445.58	13.01	432.57	<800 B	**619**	<1.00	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500***	**6.86**	**4.27**	<6.00 B	
MW-11	09/22/23	445.58	13.06	432.52	<800	**384**	<1.00	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500 J***	**4.83**	**3.00**	<6.00	
MW-14R	06/06/23	444.62	12.40	432.22	<800 B	**123**	**9.97**	<1.00	**2.84**	**2.23 J**	***<5.00***	***<1.00***	***<0.0500***	**1.05**	**0.792 J**	<6.00 B	
MW-14R	09/20/23	444.62	12.41	432.21	<800	<100 B	**18.1**	<1.00	<1.00	<3.00	***<5.00***	***<1.00***	***<0.0500 J***	<1.00	<1.00	<6.00	

Notes:
1. GRO analyzed by Alaska Method AK101 and DRO analyzed by AK102
2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. Remaining constituents of concern analyzed by USEPA Method 8260D except where noted above.
4. All results reported in micrograms per liter (µg/L).

Acronyms and Abbreviations:

-- = Not Available or Not Analyzed
[ ] = 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
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
bTOC = Below top of casing
DRO = Total petroleum hydrocarbons, diesel range organics
DTW = Depth to groundwater
feet = Relative to NAVD88
GRO = Total petroleum hydrocarbons, gasoline range organics
GW Elev. = Groundwater elevation
ID = Identification
J = The associated numerical value is an estimated concentration only
MW = Groundwater monitoring well

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

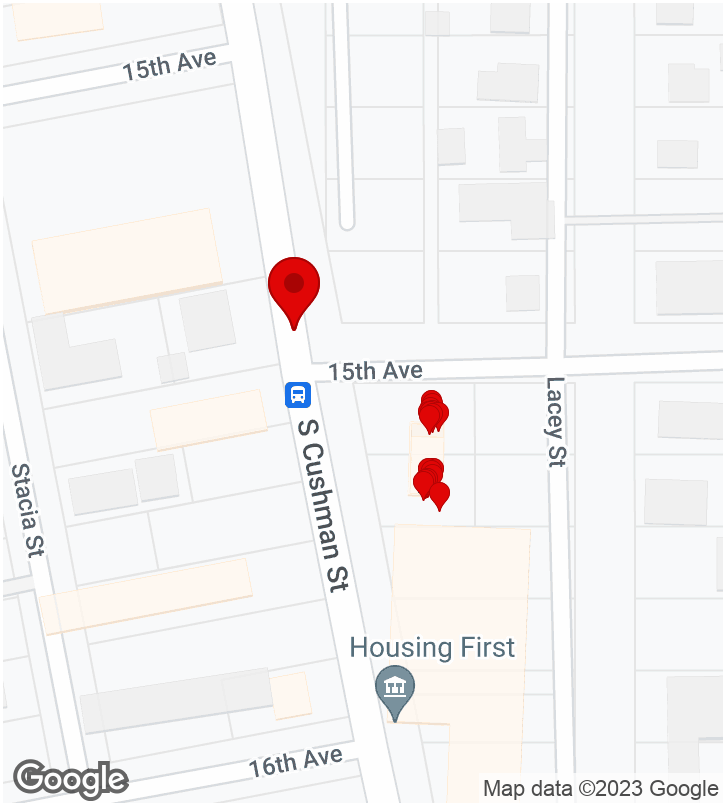
Field Notes

Chevron Daily Log (Version 2.0)

Contacts: Lea Milando & Brianne Zorn

September 20, 2023, 211079, Danielle Gilbert

10/9/2023, 4:24:25 PM UTC



CREATED

9/21/2023, 2:22:29 AM UTC
by Danielle Gilbert

UPDATED

10/9/2023, 4:24:25 PM UTC
by Danielle Gilbert

STATUS

QC Complete

LOCATION

64.834091, -147.717148

Please complete one daily log entry per day per site.	
Please complete one tailgate form (as applicable). Field Lead to document waste, and subcontractor information per field event. Do not duplicate waste and subcontractor in separate logs.	
Have you read the Quality Procedure (QP) and/or Technical Guidance Instruction (TGI) relevant to your task today? If not, this document can be reviewed by clicking on "1 Reference file" at the top of this record.	Yes
Selecting "Yes" confirms your digital signature as having read the QP and/or TGI relevant to your task today.	
Date	September 20, 2023

Basic Information

Select Site ID	211079, Cushman
Portfolio	COP 3.0
Subportfolio	West
Select Project Number	30063586, Robinson, Gerald
Project Manager	Robinson, Gerald
Inside Chevron Operational Control?	No
Do you have the up-to-date site access agreement with you?	Yes
Are subcontractors working on-site?	No

Onsite Staff

Staff List	Danielle Gilbert
Did you complete a tailgate form?	Arcadis Tailgate Form Completed

Equipment & Calibration Information

Are you using equipment today?	Yes

Equipment Information (4 Items)

Equipment Information - 1. Pine

Supplier	Pine
Type of Equipment	Interface Probe (IP)
Model	
Rental Number	
Serial Number	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes

Equipment Information - 2. Pine

Supplier	Pine
Type of Equipment	Peristaltic Pump
Model	

Rental Number	
Serial Number	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes

Equipment Information - 3. Pine

Supplier	Pine
Type of Equipment	Photoionization Detector (PID)
Model	
Rental Number	
Serial Number	
Calibrated?	

Bump checked?	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes

Equipment Information - 4. Pine

Supplier	Pine
Type of Equipment	Water Quality Meter (i.e. YSI)
Model	
Rental Number	
Serial Number	
Calibrated?	
Bump checked?	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes
List of Equipment Used	Interface Probe (IP), Peristaltic Pump, Photoionization Detector (PID), Water Quality Meter (i.e. YSI)

Field Notes

Weather	42F rainy
Please caption all photos	
General Site Photos	

Daily Field Notes (12 Items)

Daily Field Notes - 1. 07:51

Time	07:51
Description of Task	Tailgate and site walk completed. Contacted project team to ask about well located in residential driveway MW-9
Photos	

Daily Field Notes - 2. 08:15

Time	08:15
Description of Task	Set up for gauging on MW-6. Blockage encountered with interface probe below water at 13-14 ft. Move to next well
Photos	

Daily Field Notes - 3. 21:16

Time	21:16
Description of Task	Attempted to gauge MW-14R but hit soft blockage with interface probe at 13-14 ft. Called Jesse, Kama, Evan. Unsure what is causing issues. Resolve to move to next well and to pick up bailer and slug from the office if issue continues.
Photos	

Daily Field Notes - 4. 09:31

Time	09:31
Description of Task	MW-11 also has soft blockage preventing probe from reading TD. Probe tip comes up clean
Photos	

Daily Field Notes - 5. 10:40

Time	10:40
Description of Task	Bailer thrown down MW-11 brought up nothing but clear water. Attempted slugging well and dropped slug down hole. Depart site to pick up supplies for fishing out
Photos	

Daily Field Notes - 6. 11:40

Time	11:40

Description of Task	Fished out slug. Slug reached bottom but with slight feeling of resistance. Move to test other gauged wells
Photos	

Daily Field Notes - 7. 12:41

Time	12:41
Description of Task	Bailer and slug goes down MW-14R and 6. Interface probe still cannot follow. Unsure of what the issue is, but sampling can proceed if given the go ahead by the PM, as the submersible pump should be heavy enough and able to go down fine
Photos	

Daily Field Notes - 8. 13:15

Time	13:15
Description of Task	Go inside store to ask property manager if we can extend the event due to lost time. Butcher shop manager says of course we are free to come back all week if we are having issues. Talk to PM and he confirms we can move ahead with the event
Photos	

Daily Field Notes - 9. 14:00

Time	14:00
Description of Task	Remaining wells gauged. Could not get TD reading on any of them. Used former TD in notes. Probe tip cannot get through to bottom
Photos	

Daily Field Notes - 10. 15:30

Time	15:30
Description of Task	Sample MW-9
Photos	

Daily Field Notes - 11. 17:30

Time	17:30
Description of Task	Sample MW-14R
Photos	

Daily Field Notes - 12. 18:44

Time	18:44
Description of Task	Packed up and notes updated. Notified team. And head out
Photos	

Potential Incidents, Close Calls, Stop Works, or Public/Stakeholder Interactions (1 Item)

Potential Incidents, Close Calls, Stop Works, or Public/Stakeholder Interactions - 1. Due to morning of troubleshooting, behind schedule. Talked to butcher manager if we could continue working on site through the week. She said of course.P, her husband normally would read those emails, but she sees no issue with it

Event type	Public/Stakeholder Interaction
What happened?	Due to morning of troubleshooting, behind schedule. Talked to butcher manager if we could continue working on site through the week. She said of course.P, her husband normally would read those emails, but she sees no issue with it
Photos	

Samples

Were samples collected?	Yes
Is the person signing the COC IATA trained?	Yes
COC Photos	

CHMM - Staff Hours

This information will be reported to Chevron. If the calculated totals are incorrect, please update the hours in the staff section at the top of the form.	
Total Arcadis Travel Hours	1
Total Arcadis Site Hours	11.5
Total Subcontractor Hours	

CHMM - Vehicle Mileage

The information in this section will be reported to Chevron. Please fill out mileage once per vehicle.	

Vehicles (1 Item)

Vehicles - 1. Vehicle 1

Vehicle Number	Vehicle 1
Mileage to and from site	25
Mileage driven on site	25
Total Arcadis Site Mileage	25
Total Arcadis Travel Mileage	25

Review

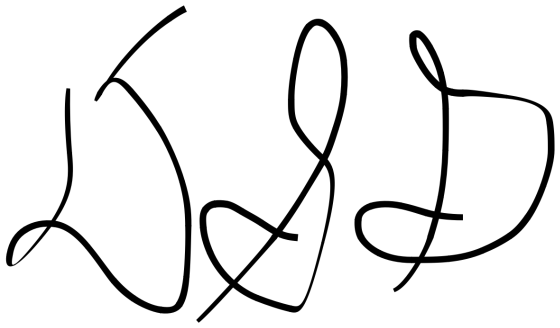
Are field notes considered complete?	Yes

End of Day Questions

Was waste generated?	Yes

Description of Waste

Approximate Volume of Waste	8
Container Type	55 gallon drum
Confirm Container is not Leaking	Confirmed
Photos of drum and label	
Please use the FieldNow - Waste Log/Inventory and Waste Assessment apps if more detailed documentation is necessary.	
Have you performed work in accordance with the applicable QP/TGI?	Yes
Do any of the following Communication Triggers apply?	
Change in plans (project delays)?	No
Discovery of significant new site characteristics?	No
Upcoming regulatory, community, or other stakeholder views change?	No

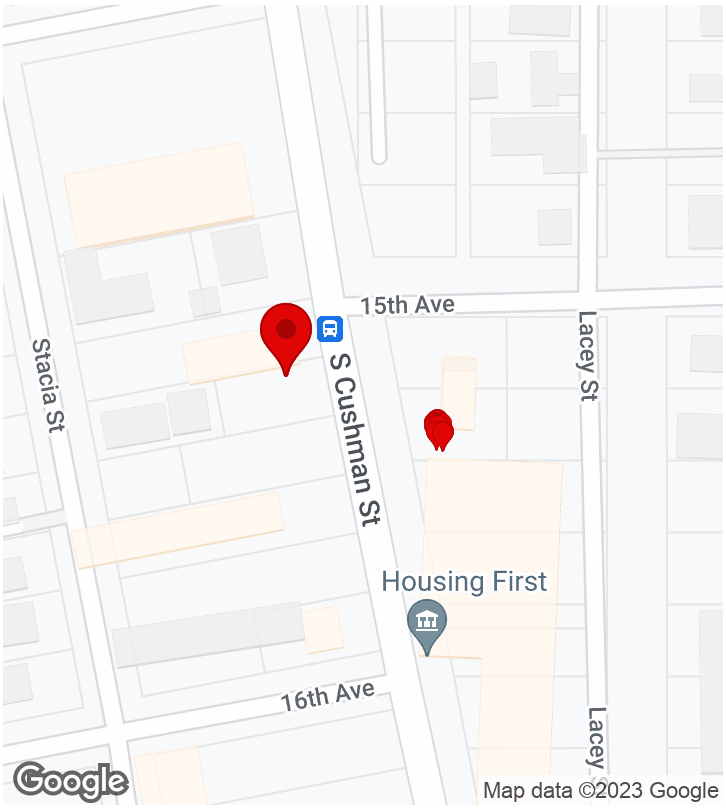
Incident at the site?	No
Is there a potential dispute?	No
Identification of strategic opportunity?	No
New application, renewal, or permit modifcation?	No
Signature	 Signed 9/21/2023, 10:46:18 AM UTC

Chevron Daily Log (Version 2.0)

Contacts: Lea Milando & Brianne Zorn

September 22, 2023, 211079, Danielle Gilbert

10/9/2023, 4:24:40 PM UTC



CREATED

9/22/2023, 3:16:32 PM UTC
by Danielle Gilbert

UPDATED

10/9/2023, 4:24:40 PM UTC
by Danielle Gilbert

STATUS

QC Complete

LOCATION

64.833836, -147.717365

Please complete one daily log entry per day per site.	
Please complete one tailgate form (as applicable). Field Lead to document waste, and subcontractor information per field event. Do not duplicate waste and subcontractor in separate logs.	
Have you read the Quality Procedure (QP) and/or Technical Guidance Instruction (TGI) relevant to your task today? If not, this document can be reviewed by clicking on "1 Reference file" at the top of this record.	Yes
Selecting "Yes" confirms your digital signature as having read the QP and/or TGI relevant to your task today.	
Date	September 22, 2023

Basic Information

Select Site ID	211079, Cushman
Portfolio	COP 3.0
Subportfolio	West
Select Project Number	30063586, Robinson, Gerald
Project Manager	Robinson, Gerald
Inside Chevron Operational Control?	No
Do you have the up-to-date site access agreement with you?	Yes
Are subcontractors working on-site?	Yes

Onsite Staff

Staff List	Danielle Gilbert
Did you complete a tailgate form?	Arcadis Tailgate Form Completed

Subcontractor

Subcontractor Information

Equipment & Calibration Information

Are you using equipment today?	Yes

Equipment Information (4 Items)

Equipment Information - 1. Pine

Supplier	Pine
Type of Equipment	Interface Probe (IP)
Model	
Rental Number	
Serial Number	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes

Equipment Information - 2. Pine

Supplier	Pine
Type of Equipment	Photoionization Detector (PID)
Model	
Rental Number	
Serial Number	
Calibrated?	
Bump checked?	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes

Equipment Information - 3. Pine

Supplier	Pine
Type of Equipment	Water Quality Meter (i.e. YSI)
Model	
Rental Number	
Serial Number	
Calibrated?	
Bump checked?	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes

Equipment Information - 4. Pine

Supplier	Pine
Type of Equipment	Submersible Pump
Model	
Rental Number	
Serial Number	

Water Quality Meter Calibration Information

Manufacturer of Calibration Fluids	

Calibration Standards

Notes	

Turbidity Meter Calibration Information

Calibration Standards

Photoionization Detector Calibration Information

Calibration Gases

Notes	

GEM Calibration Information

Calibration Gases

Notes	
Calibration Documents present from supplier?	
Calibration Documents	
Calibration Passed?	Yes
List of Equipment Used	Interface Probe (IP), Photoionization Detector (PID), Water Quality Meter (i.e. YSI), Submersible Pump

Field Notes

Weather	40F cloudy
Please caption all photos	
General Site Photos	

Daily Field Notes (14 Items)

Daily Field Notes - 1. 07:00

Time	07:00
Description of Task	Arrive on site, begin H&S tailgate
Photos	

Daily Field Notes - 2. 07:20

Time	07:20
Description of Task	Tailgate complete. Begin setting up on MW-6 for sampling
Photos	

Daily Field Notes - 3. 08:45

Time	08:45
Description of Task	Submersible seized up while purging. Called Pine, for troubleshooting. Turned on and off, pump looks clean, it was found that an internal wiring component had water in it which was causing a short. Pine recommends to dry component out to the best of my ability and hope it works. Notified team
Photos	

Daily Field Notes - 4. 09:00

Time	09:00
Description of Task	Component dried and pump working again, albeit very fast. Lowest setting is about .8 gallons per minute. Call PM and discuss options. Decide to go to TTT for new equipment
Photos	

Daily Field Notes - 5. 10:00

Time	10:00
Description of Task	Return on site from TTT with a flow regulator valve to slow down pump speed. Set back up on MW-6
Photos	

Daily Field Notes - 6. 10:45

Time	10:45
Description of Task	MW-6 sampled
Photos	

Daily Field Notes - 7. 12:15

Time	12:15
Description of Task	MW-2 sampled
Photos	

Daily Field Notes - 8. 13:25

Time	13:25
Description of Task	MW-5 sampled
Photos	

Daily Field Notes - 9. 15:00

Time	15:00
Description of Task	MW-11 sampled
Photos	

Daily Field Notes - 10. 16:30

Time	16:30
Description of Task	MW-10 sampled
Photos	

Daily Field Notes - 11. 18:00

Time	18:00
Description of Task	Wastewater sample collected
Photos	

Daily Field Notes - 12. 18:30

Time	18:30
Description of Task	Begin final pack up
Photos	

Daily Field Notes - 13. 18:50

Time	18:50
Description of Task	Waste inventory pictures taken. Packed up and notify team of departure
Photos	

Daily Field Notes - 14. 19:00

Time	19:00
Description of Task	ANA out
Photos	

Potential Incidents, Close Calls, Stop Works, or Public/Stakeholder Interactions (1 Item)

Potential Incidents, Close Calls, Stop Works, or Public/Stakeholder Interactions - 1. Shannon & Wilson employee stops to inquire about site wells. Just curious as she has the same job. Mentioned it was a former gas station, but nothing more shared and interaction brief

Event type	Public/Stakeholder Interaction
What happened?	Shannon & Wilson employee stops to inquire about site wells. Just curious as she has the same job. Mentioned it was a former gas station, but nothing more shared and interaction brief

Photos

Samples

Were samples collected?	Yes
Is the person signing the COC IATA trained?	Yes
COC Photos	

CHMM - Staff Hours

This information will be reported to Chevron. If the calculated totals are incorrect, please update the hours in the staff section at the top of the form.	
Total Arcadis Travel Hours	1
Total Arcadis Site Hours	12
Total Subcontractor Hours	

CHMM - Vehicle Mileage

The information in this section will be reported to Chevron. Please fill out mileage once per vehicle.	

Vehicles (1 Item)

Vehicles - 1. Vehicle 1

Vehicle Number	Vehicle 1
Arcadis or subcontractor vehicle?	Arcadis
Mileage to and from site	30
Mileage driven on site	10
Total Arcadis Site Mileage	10
Total Arcadis Travel Mileage	30
Total Subcontractor Mileage	

Review

Are field notes considered complete?	Yes

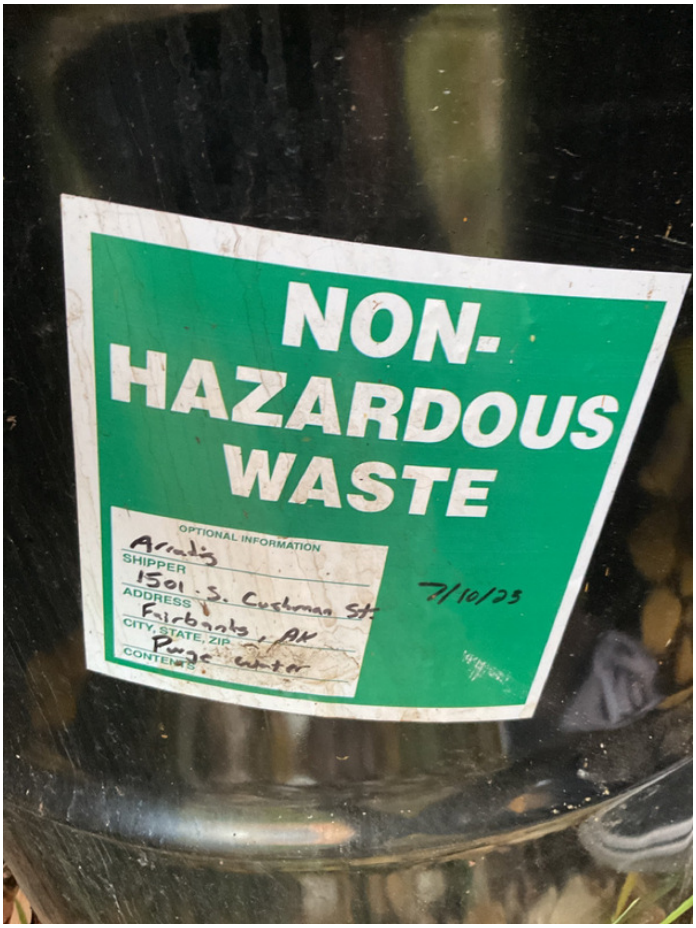
End of Day Questions

Was waste generated?	Yes

Description of Waste

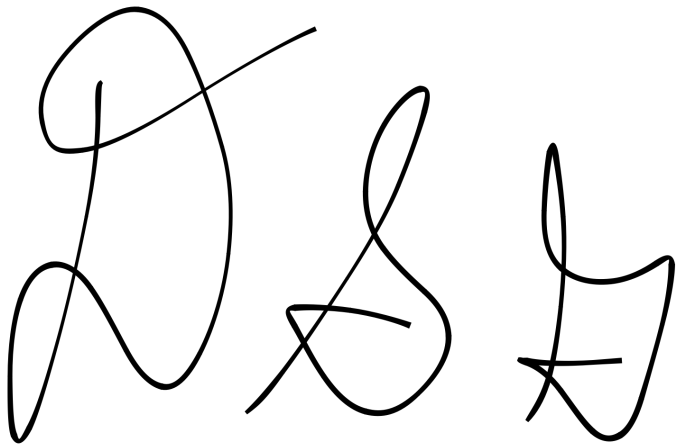
Approximate Volume of Waste	20
Container Type	55 gallon drum
Confirm Container is not Leaking	Confirmed

Photos of drum and label


NON-
HAZARDOUS
WASTE
OPTIONAL INFORMATION
Arcadis
SHIPPER
1501 S. Cushman St
ADDRESS
Fairbanks, AK
CITY, STATE, ZIP
Purge water
CONTENTS
7/10/23


NON-
HAZARDOUS
WASTE
OPTIONAL INFORMATION
Arcadis
SHIPPER
1501 S. Cushman St
ADDRESS
Fairbanks, AK
CITY, STATE, ZIP
Purge Water
CONTENTS
7/10/23


NON-
HAZARDOUS
WASTE
OPTIONAL INFORMATION
Arcadis ICAEL
SHIPPER
1501 S. Cushman St
ADDRESS
Fairbanks, AK
CITY, STATE, ZIP
Purge Wate
CONTENTS
8/9/23

Please use the FieldNow - Waste Log/Inventory and Waste Assessment apps if more detailed documentation is necessary.	
Have you performed work in accordance with the applicable QP/TGI?	Yes
Do any of the following Communication Triggers apply?	
Change in plans (project delays)?	No
Discovery of significant new site characteristics?	No
Upcoming regulatory, community, or other stakeholder views change?	No
Incident at the site?	No
Is there a potential dispute?	No
Identification of strategic opportunity?	No
New application, renewal, or permit modifcation?	No
Signature	 Signed 9/23/2023, 10:45:06 AM UTC

Groundwater Gauging Log

Project Number	30063586
Client:	Chevron
Site ID:	211079
Site Location:	Fairbanks, Alaska
Measuring Point:	Top of Casing
Date(s):	09/22/2023, 09/20/2023
Sampler(s):	Danielle Gilbert
Gauging Equipment:	Interface Probe

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-1	09/22/2023	17:22	13.66	ND	17.80	--	--	--
MW-2	09/20/2023	13:20	12.35	ND	15.50	0	--	--
MW-4	09/22/2023	17:07	11.93	ND	22.00	--	--	--
MW-5	09/20/2023	12:29	12.63	ND	16.70	0	--	--
MW-6	09/20/2023	08:15	12.40	ND	13.30	0	--	--
MW-9	09/20/2023	14:00	11.59	ND	19.30	0	--	--
MW-10	09/20/2023	13:51	11.73	ND	16.70	0	--	--
MW-11	09/20/2023	13:30	13.06	ND	16.00	0	--	--
MW-14R	09/20/2023	08:37	12.41	ND	22.70	0	--	--

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

ppm = parts per million -- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063586	**Well ID**	MW-6	**Date**	9/22/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Raining	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	4	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	12.52	**Total Depth (ft-bmp)**	21.2	**Water Column (ft)**	8.68	**Gallons in Well**	5.64
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	10:45	**Well Volumes Purged**	0.66	**Sample ID**	MW-6	**Purge Equipment**	Submersible
Purge Start	10:11	**Gallons Purged**	3.70	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	10:30	**Total Purge Time (h:m)**	0:19				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
10:11	200	12.51	5.88	1.17	56.8	10.10	5.13	180	Clear
10:15	200	12.52	5.82	1.17	27.4	9.32	5.01	179	Clear
10:18	200	12.52	5.79	1.17	9.7	9.16	5.17	178	Clear
10:21	200	12.52	5.77	1.17	0.00	9.03	5.20	177	Clear
10:24	200	12.52	5.74	1.17	1.8	8.91	5.21	176	Clear
10:27	200	12.52	5.73	1.17	4.3	8.83	5.23	175	Clear

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	Sample Time:	10:45	Sample Depth (ft-bmp) (e.g. pump intake):	17
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.52

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	30063586	**Well ID**	MW-14R	**Date**	9/20/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Raining	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	12.41	**Total Depth (ft-bmp)**	22.7	**Water Column (ft)**	10.29	**Gallons in Well**	1.67
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	17:30	**Well Volumes Purged**	1.58	**Sample ID**	MW-14R	**Purge Equipment**	Submersible
Purge Start	16:20	**Gallons Purged**	2.64	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	17:10	**Total Purge Time (h:m)**	0:50				

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
16:21	200	12.46	7.93	0.699	830	30.10	6.74	227	Clear
16:31	200	12.46	8.39	0.754	0.00	39.80	8.38	256	Clear
16:40	200	12.5	8.13	0.972	171	28.08	8.41	304	Clear
16:53	200	12.5	7.61	1.09	63.6	34.33	8.41	332	Clear
16:56	200	12.5	7.55	1.09	59.0	32.87	8.45	336	Clear
16:59	200	12.5	7.44	1.11	49.7	31.51	8.58	343	Clear
17:02	200	12.5	7.34	1.11	44.7	30.09	8.78	341	Clear
17:06	200	12.5	7.26	1.12	41.2	28.72	8.77	345	Clear

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-14R	Sample Time:	17:30	Sample Depth (ft-bmp) (e.g. pump intake):	18
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.5

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

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

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

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063586	**Well ID**	MW-5	**Date**	9/22/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Cloudy	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	4	**Well Casing Material**	
Static Water Level (ft-bmp)	12.63	**Total Depth (ft-bmp)**	16.7	**Water Column (ft)**	4.07	**Gallons in Well**	2.65
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	13:25	**Well Volumes Purged**	0.50	**Sample ID**	MW-5	**Purge Equipment**	Submersible
Purge Start	12:51	**Gallons Purged**	1.32	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	13:15	**Total Purge Time (h:m)**	0:24				

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
12:51	200	12.66	4.94	0.644	71.7	7.42	6.12	30	Clear
13:05	200	12.66	5.51	0.654	16.1	2.35	6.21	47	Clear
13:08	200	12.66	5.50	0.652	15.6	2.40	6.21	44	Clear
13:11	200	12.66	5.50	0.649	14.9	2.52	6.15	42	Clear

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	Sample Time:	13:25	Sample Depth (ft-bmp) (e.g. pump intake):	17
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.66

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	30063586	**Well ID**	MW-2	**Date**	9/22/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Raining	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	4	**Well Casing Material**	
Static Water Level (ft-bmp)	12.35	**Total Depth (ft-bmp)**	15.5	**Water Column (ft)**	3.15	**Gallons in Well**	2.05
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	12:15	**Well Volumes Purged**	1.03	**Sample ID**	MW-2	**Purge Equipment**	Submersible
Purge Start	11:26	**Gallons Purged**	2.11	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	12:08	**Total Purge Time (h:m)**	0:42				

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
11:31	200	12.28	5.65	0.923	48.1	11.81	5.44	110	Clear
11:35	200	12.28	5.59	0.920	35.4	7.94	5.00	91	Clear
11:42	200	12.39	5.51	0.871	13.1	6.62	4.75	48	Clear
11:46	200	12.39	5.49	0.847	4.9	6.24	4.69	34	Clear
11:50	200	12.39	5.46	0.862	1.5	5.77	4.82	22	Clear
11:53	200	12.39	5.45	0.839	0.00	5.49	4.83	15	Clear
11:56	200	12.39	5.44	0.843	0.00	5.17	4.85	9	Clear
11:59	200	12.39	5.45	0.827	0.00	4.91	4.84	4	Clear
12:04	200	12.39	5.35	0.821	0.00	4.83	4.77	3	Clear

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	Sample Time:	12:15	Sample Depth (ft-bmp) (e.g. pump intake):	18
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	12.39

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	30063586	**Well ID**	MW-11	**Date**	9/22/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Raining	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	13.06	**Total Depth (ft-bmp)**	16	**Water Column (ft)**	2.94	**Gallons in Well**	0.48
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	15:00	**Well Volumes Purged**	3.30	**Sample ID**	Mw-11	**Purge Equipment**	Submersible
Purge Start	14:09	**Gallons Purged**	1.59	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	14:39	**Total Purge Time (h:m)**	0:30				

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
14:10	200	12.98	5.67	0.601	67.2	13.14	7.80	95	Clear
14:15	200	12.98	5.42	0.603	43.5	8.44	8.24	58	Clear
14:18	200	12.98	5.39	0.597	43.0	2.61	8.59	39	Clear
14:21	200	12.98	5.38	589	0.00	1.87	8.43	22	Clear
14:24	200	12.98	5.37	0.582	0.00	1.53	8.27	11	Clear
14:28	200	12.98	5.35	0.581	0.00	1.25	8.25	3	Clear
14:31	200	12.98	5.35	0.578	0.00	1.14	8.12	0	Clear
14:34	200	12.98	5.34	0.579	0.00	1.09	8.27	-3	Clear
14:37	200	12.98	5.33	0.577	0.00	1.06	8.25	-6	Clear

Comments: None

Well Casing Volume Conversion

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

Sample Information

Sample ID: Mw-11 Sample Time: 15:00 Sample Depth (ft-bmp) (e.g. pump intake): 14

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

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	30063586	**Well ID**	MW-9	**Date**	9/20/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Raining	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	11.59	**Total Depth (ft-bmp)**	19.3	**Water Column (ft)**	7.71	**Gallons in Well**	1.25
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**			Grab

Sample Time	15:30	**Well Volumes Purged**	0.21	**Sample ID**	MW-9	**Purge Equipment**	Submersible
Purge Start	14:30	**Gallons Purged**	0.26	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	15:16	**Total Purge Time (h:m)**	0:46				

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
14:30	200	11.42	7.37	0.378	179	3.68	7.47	268	Reddish Brown
14:47	200	11.42	7.12	0.370	139	3.29	7.75	276	Brown
14:50	200	11.42	6.87	0.573	102	3.60	8.05	278	Brown
14:53	200	11.42	6.89	0.570	82.8	3.60	8.32	277	Clear
14:56	200	11.48	6.81	0.571	73.1	3.45	8.32	275	Clear
14:59	200	11.48	6.80	0.569	62.5	3.06	8.44	273	Clear
15:02	200	11.48	6.65	0.568	52.5	2.87	8.61	269	Clear
15:05	200	11.48	6.61	0.570	49.6	2.96	8.62	264	Clear
15:08	200	11.51	6.55	0.566	48.6	2.86	8.95	249	Clear
15:11	200	11.51	6.52	0.567	49.5	2.40	9.06	164	Clear
15:15	200	11.51	6.51	0.567	46.5	2.24	9.16	87	Clear

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

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

Sample ID:	MW-9	Sample Time:	15:30	Sample Depth (ft-bmp) (e.g. pump intake):	15
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.51

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

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

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

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30063586	**Well ID**	MW-10	**Date**	9/22/2023		
Site Location	Fairbanks, Alaska	**Site ID**	211079	**Weather (°F)**	Cloudy	**Sampled by**	Danielle Gilbert
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	11.73	**Total Depth (ft-bmp)**	16.7	**Water Column (ft)**	4.97	**Gallons in Well**	0.81
Water Quality Meter Make/Model	Horiba U-5000	**Purge Method**	Low-Flow	**Collection Type**		Grab	

Sample Time	16:30	**Well Volumes Purged**	1.96	**Sample ID**	Mw-10	**Purge Equipment**	Submersible
Purge Start	15:40	**Gallons Purged**	1.59	**Duplicate ID**	Dup-1	**Sample Equipment**	Submersible
Purge End	16:10	**Total Purge Time (h:m)**	0:30				

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
15:40	200	11.78	5.79	0.622	372	6.93	8.81	55	Clear
15:44	200	11.78	5.52	0.782	72.9	6.26	8.37	45	Clear
15:53	200	11.82	5.52	0.687	0.00	4.88	9.10	-3	Clear
15:57	200	11.82	5.52	0.679	0.00	4.53	9.17	-9	Clear
16:01	200	11.82	5.51	0.677	0.00	4.17	9.26	-11	Clear
16:04	200	11.82	5.50	0.673	0.00	3.97	9.30	-14	Clear
16:07	200	11.82	5.50	0.670	0.00	3.79	9.31	-16	Clear

Comments: None

Well Casing Volume Conversion

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

Sample Information

Sample ID:	Mw-10	Sample Time:	16:30	Sample Depth (ft-bmp) (e.g. pump intake):	13
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	11.82

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

October 09, 2023

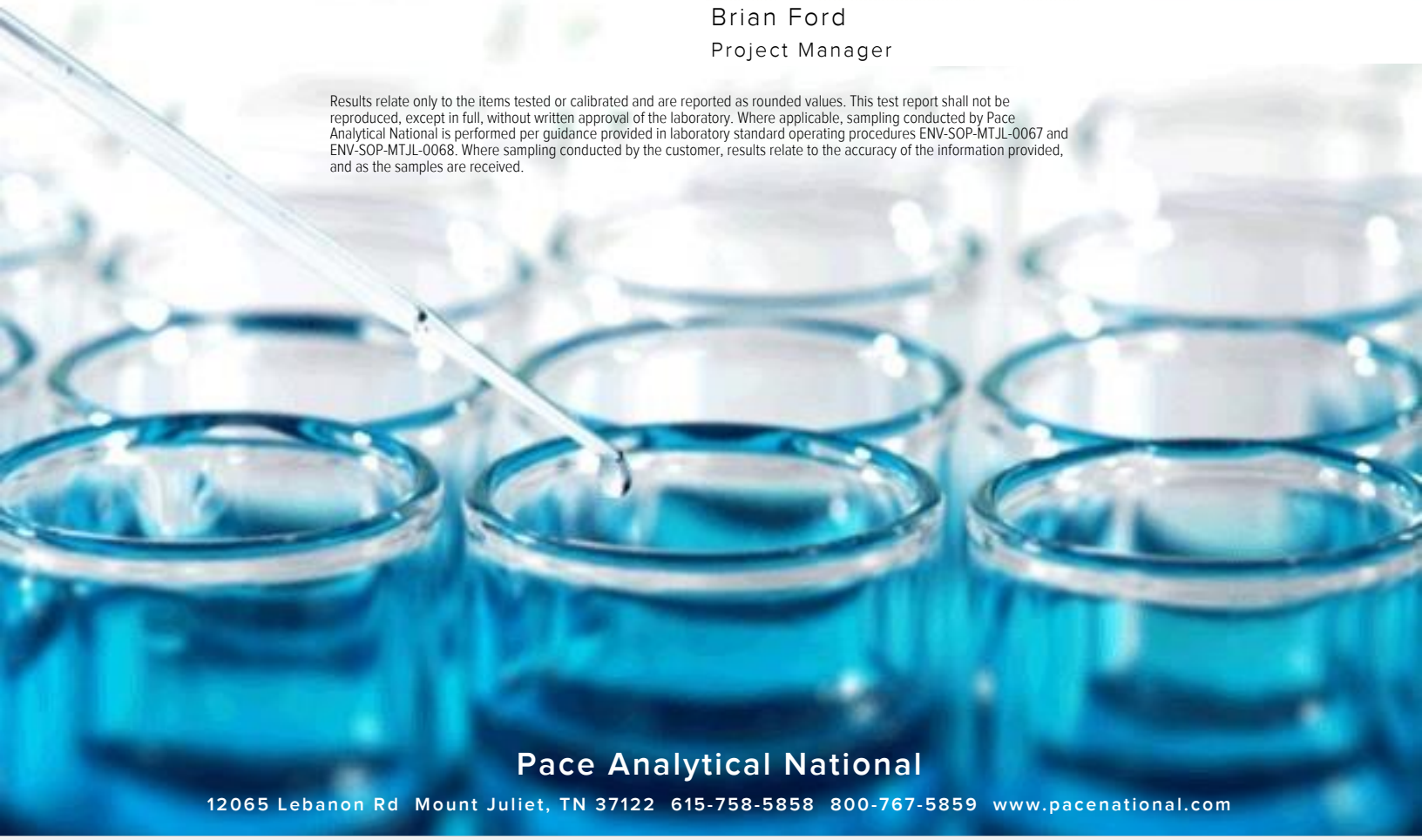
Arcadis - Chevron - AK

Sample Delivery Group:	L1659634
Samples Received:	09/26/2023
Project Number:	30063586
Description:	211079
Site:	1501 S CUSHMAN ST FAIRBANKS AK
Report To:	Skip Robinson/Nick Wood 880 H St. Anchorage, AK 99501

Entire Report Reviewed By:

Brian Ford

Project Manager



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-2_230922 L1659634-01 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 12:15 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 12:43	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/03/23 23:29	10/03/23 23:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141811	100	09/29/23 15:20	09/29/23 15:20	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 11:20	09/30/23 11:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 15:03	10/02/23 15:03	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/06/23 22:48	MAA	Mt. Juliet, TN

MW-5_230922 L1659634-02 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 13:25 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 12:45	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/03/23 23:51	10/03/23 23:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2140204	10	09/28/23 19:24	09/28/23 19:24	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 15:22	10/02/23 15:22	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/06/23 23:14	MAA	Mt. Juliet, TN

MW-6_230922 L1659634-03 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 10:45 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 12:48	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/04/23 00:14	10/04/23 00:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2140204	10	09/28/23 19:48	09/28/23 19:48	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 11:40	09/30/23 11:40	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 15:41	10/02/23 15:41	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/06/23 23:39	MAA	Mt. Juliet, TN

MW-9_230922 L1659634-04 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 15:30 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 12:32	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/04/23 00:37	10/04/23 00:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141811	100	09/29/23 15:44	09/29/23 15:44	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 12:01	09/30/23 12:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 16:00	10/02/23 16:00	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/07/23 00:05	MAA	Mt. Juliet, TN

MW-10_230922 L1659634-05 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 16:30 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 12:51	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/04/23 00:59	10/04/23 00:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2140204	10	09/28/23 20:35	09/28/23 20:35	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 12:21	09/30/23 12:21	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 16:19	10/02/23 16:19	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/07/23 00:31	TGB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-11_230922 L1659634-06 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 15:00 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 13:00	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/04/23 01:22	10/04/23 01:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2140204	10	09/28/23 20:59	09/28/23 20:59	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 12:41	09/30/23 12:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 16:38	10/02/23 16:38	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/07/23 02:39	MAA	Mt. Juliet, TN

MW-14R_230922 L1659634-07 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 17:30 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 13:03	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/04/23 01:44	10/04/23 01:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2140204	10	09/28/23 21:23	09/28/23 21:23	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 13:02	09/30/23 13:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 16:57	10/02/23 16:57	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/07/23 03:05	MAA	Mt. Juliet, TN

DUP-1_230922 L1659634-08 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 00:00 | Received date/time: 09/26/23 09:00

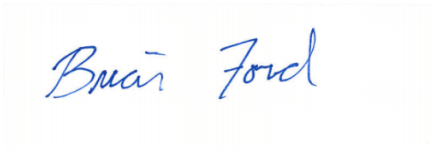
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2140623	1	10/04/23 08:58	10/04/23 13:05	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/04/23 02:07	10/04/23 02:07	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2140204	10	09/28/23 21:47	09/28/23 21:47	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 13:22	09/30/23 13:22	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2143185	1	10/02/23 17:16	10/02/23 17:16	DYW	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2144329	1	10/05/23 06:02	10/07/23 03:31	MAA	Mt. Juliet, TN

TRIP BLANK_230922 L1659634-09 GW

Collected by: Danielle Gilbert | Collected date/time: 09/22/23 00:00 | Received date/time: 09/26/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG2144061	1	10/03/23 23:06	10/03/23 23:06	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2141959	1	09/30/23 07:17	09/30/23 07:17	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

Volatile Organic Compounds (GC) by Method AK101

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2144061	TPHGAK C6 to C10	L1659634-01, 03, 05, 06, 07, 08, 09

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

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

Batch	Lab Sample ID	Analytes
WG2141959	L1659634-09	Naphthalene

Semi-Volatile Organic Compounds (GC) by Method AK102

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2144329	AK102 DRO C10-C25	L1659634-01, 02, 04, 05

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	10/04/2023 12:43	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	87.6	B J	28.7	100	1	10/03/2023 23:29	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*88.4*			*50.0-150*		*10/03/2023 23:29*	WG2144061

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.200	0.500	100	09/29/2023 15:20	WG2141811
1,2-Dibromoethane	U		0.410	0.500	100	09/29/2023 15:20	WG2141811
Benzene	0.558	J	0.0941	1.00	1	09/30/2023 11:20	WG2141959
Ethylbenzene	U		0.137	1.00	1	09/30/2023 11:20	WG2141959
Naphthalene	U		1.00	5.00	1	10/02/2023 15:03	WG2143185
Toluene	U		0.278	1.00	1	09/30/2023 11:20	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 11:20	WG2141959
1,2,4-Trimethylbenzene	48.6		0.322	1.00	1	09/30/2023 11:20	WG2141959
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/30/2023 11:20	WG2141959
Xylenes, Total	0.600	J	0.174	3.00	1	09/30/2023 11:20	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 11:20	WG2141959
m&p-Xylene	0.600	J	0.430	2.00	1	09/30/2023 11:20	WG2141959
(S) Toluene-d8	*108*			*80.0-120*		*09/30/2023 11:20*	WG2141959
(S) Toluene-d8	*91.3*			*80.0-120*		*10/02/2023 15:03*	WG2143185
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*09/30/2023 11:20*	WG2141959
(S) 4-Bromofluorobenzene	*85.8*			*77.0-126*		*10/02/2023 15:03*	WG2143185
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/30/2023 11:20*	WG2141959
(S) 1,2-Dichloroethane-d4	*89.2*			*70.0-130*		*10/02/2023 15:03*	WG2143185

Sample Narrative:

L1659634-01 WG2141811: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	181	B J	170	800	1	10/06/2023 22:48	WG2144329
(S) o-Terphenyl	*56.3*			*50.0-150*		*10/06/2023 22:48*	WG2144329

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	9.11		2.99	6.00	1	10/04/2023 12:45	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHGAK C6 to C10	790		28.7	100	1	10/03/2023 23:51	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*50.0-150*		*10/03/2023 23:51*	WG2144061

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,3-Trichloropropane	U		0.0200	0.0500	10	09/28/2023 19:24	WG2140204
1,2-Dibromoethane	U		0.0410	0.0500	10	09/28/2023 19:24	WG2140204
Benzene	0.204	J	0.0941	1.00	1	10/02/2023 15:22	WG2143185
Ethylbenzene	U		0.137	1.00	1	10/02/2023 15:22	WG2143185
Naphthalene	U		1.00	5.00	1	10/02/2023 15:22	WG2143185
Toluene	U		0.278	1.00	1	10/02/2023 15:22	WG2143185
1,1,2-Trichloroethane	U		0.158	1.00	1	10/02/2023 15:22	WG2143185
1,2,4-Trimethylbenzene	46.6		0.322	1.00	1	10/02/2023 15:22	WG2143185
1,3,5-Trimethylbenzene	61.8		0.104	1.00	1	10/02/2023 15:22	WG2143185
Xylenes, Total	U		0.174	3.00	1	10/02/2023 15:22	WG2143185
o-Xylene	U		0.174	1.00	1	10/02/2023 15:22	WG2143185
m&p-Xylene	U		0.430	2.00	1	10/02/2023 15:22	WG2143185
(S) Toluene-d8	*88.1*			*80.0-120*		*10/02/2023 15:22*	WG2143185
(S) 4-Bromofluorobenzene	*83.4*			*77.0-126*		*10/02/2023 15:22*	WG2143185
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*10/02/2023 15:22*	WG2143185

Sample Narrative:

L1659634-02 WG2140204: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	1930	B	170	800	1	10/06/2023 23:14	WG2144329
(S) o-Terphenyl	*59.3*			*50.0-150*		*10/06/2023 23:14*	WG2144329

Sample Narrative:

L1659634-02 WG2144329: Duplicate Analysis performed due to QC failure. Reporting most compliant data.

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	10.0		2.99	6.00	1	10/04/2023 12:48	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	67.6	B J	28.7	100	1	10/04/2023 00:14	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*50.0-150*		*10/04/2023 00:14*	WG2144061

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.0200	0.0500	10	09/28/2023 19:48	WG2140204
1,2-Dibromoethane	U		0.0410	0.0500	10	09/28/2023 19:48	WG2140204
Benzene	0.407	J	0.0941	1.00	1	09/30/2023 11:40	WG2141959
Ethylbenzene	0.238	J	0.137	1.00	1	09/30/2023 11:40	WG2141959
Naphthalene	U		1.00	5.00	1	10/02/2023 15:41	WG2143185
Toluene	0.283	J	0.278	1.00	1	09/30/2023 11:40	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 11:40	WG2141959
1,2,4-Trimethylbenzene	0.668	J	0.322	1.00	1	09/30/2023 11:40	WG2141959
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/30/2023 11:40	WG2141959
Xylenes, Total	0.541	J	0.174	3.00	1	09/30/2023 11:40	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 11:40	WG2141959
m&p-Xylene	0.541	J	0.430	2.00	1	09/30/2023 11:40	WG2141959
(S) Toluene-d8	*108*			*80.0-120*		*09/30/2023 11:40*	WG2141959
(S) Toluene-d8	*91.6*			*80.0-120*		*10/02/2023 15:41*	WG2143185
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*09/30/2023 11:40*	WG2141959
(S) 4-Bromofluorobenzene	*90.8*			*77.0-126*		*10/02/2023 15:41*	WG2143185
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/30/2023 11:40*	WG2141959
(S) 1,2-Dichloroethane-d4	*88.2*			*70.0-130*		*10/02/2023 15:41*	WG2143185

Sample Narrative:

L1659634-03 WG2140204: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	U		170	800	1	10/06/2023 23:39	WG2144329
(S) o-Terphenyl	*66.8*			*50.0-150*		*10/06/2023 23:39*	WG2144329

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.99	6.00	1	10/04/2023 12:32	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	813		28.7	100	1	10/04/2023 00:37	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*50.0-150*		*10/04/2023 00:37*	WG2144061

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.200	0.500	100	09/29/2023 15:44	WG2141811
1,2-Dibromoethane	U		0.410	0.500	100	09/29/2023 15:44	WG2141811
Benzene	0.504	J	0.0941	1.00	1	09/30/2023 12:01	WG2141959
Ethylbenzene	9.82		0.137	1.00	1	09/30/2023 12:01	WG2141959
Naphthalene	2.33	J	1.00	5.00	1	10/02/2023 16:00	WG2143185
Toluene	0.821	J	0.278	1.00	1	09/30/2023 12:01	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 12:01	WG2141959
1,2,4-Trimethylbenzene	174		0.322	1.00	1	09/30/2023 12:01	WG2141959
1,3,5-Trimethylbenzene	43.9		0.104	1.00	1	09/30/2023 12:01	WG2141959
Xylenes, Total	36.0		0.174	3.00	1	09/30/2023 12:01	WG2141959
o-Xylene	5.06		0.174	1.00	1	09/30/2023 12:01	WG2141959
m&p-Xylene	30.9		0.430	2.00	1	09/30/2023 12:01	WG2141959
(S) Toluene-d8	*108*			*80.0-120*		*09/30/2023 12:01*	WG2141959
(S) Toluene-d8	*89.4*			*80.0-120*		*10/02/2023 16:00*	WG2143185
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*09/30/2023 12:01*	WG2141959
(S) 4-Bromofluorobenzene	*85.9*			*77.0-126*		*10/02/2023 16:00*	WG2143185
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/30/2023 12:01*	WG2141959
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*		*10/02/2023 16:00*	WG2143185

Sample Narrative:

L1659634-04 WG2141811: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	706	B J	170	800	1	10/07/2023 00:05	WG2144329
(S) o-Terphenyl	*62.9*			*50.0-150*		*10/07/2023 00:05*	WG2144329

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	10/04/2023 12:51	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHGAK C6 to C10	166	B	28.7	100	1	10/04/2023 00:59	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*50.0-150*		*10/04/2023 00:59*	WG2144061

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,3-Trichloropropane	U		0.0200	0.0500	10	09/28/2023 20:35	WG2140204
1,2-Dibromoethane	U		0.0410	0.0500	10	09/28/2023 20:35	WG2140204
Benzene	U		0.0941	1.00	1	09/30/2023 12:21	WG2141959
Ethylbenzene	U		0.137	1.00	1	09/30/2023 12:21	WG2141959
Naphthalene	U		1.00	5.00	1	10/02/2023 16:19	WG2143185
Toluene	U		0.278	1.00	1	09/30/2023 12:21	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 12:21	WG2141959
1,2,4-Trimethylbenzene	1.90		0.322	1.00	1	09/30/2023 12:21	WG2141959
1,3,5-Trimethylbenzene	0.445	J	0.104	1.00	1	09/30/2023 12:21	WG2141959
Xylenes, Total	U		0.174	3.00	1	09/30/2023 12:21	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 12:21	WG2141959
m&p-Xylene	U		0.430	2.00	1	09/30/2023 12:21	WG2141959
(S) Toluene-d8	*113*			*80.0-120*		*09/30/2023 12:21*	WG2141959
(S) Toluene-d8	*92.0*			*80.0-120*		*10/02/2023 16:19*	WG2143185
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*09/30/2023 12:21*	WG2141959
(S) 4-Bromofluorobenzene	*85.7*			*77.0-126*		*10/02/2023 16:19*	WG2143185
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*09/30/2023 12:21*	WG2141959
(S) 1,2-Dichloroethane-d4	*88.5*			*70.0-130*		*10/02/2023 16:19*	WG2143185

Sample Narrative:

L1659634-05 WG2140204: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	210	B J	170	800	1	10/07/2023 00:31	WG2144329
(S) o-Terphenyl	*61.4*			*50.0-150*		*10/07/2023 00:31*	WG2144329

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	10/04/2023 13:00	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHGAK C6 to C10	384	B	28.7	100	1	10/04/2023 01:22	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*50.0-150*		*10/04/2023 01:22*	WG2144061

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,3-Trichloropropane	U		0.0200	0.0500	10	09/28/2023 20:59	WG2140204
1,2-Dibromoethane	U		0.0410	0.0500	10	09/28/2023 20:59	WG2140204
Benzene	U		0.0941	1.00	1	09/30/2023 12:41	WG2141959
Ethylbenzene	U		0.137	1.00	1	09/30/2023 12:41	WG2141959
Naphthalene	U		1.00	5.00	1	10/02/2023 16:38	WG2143185
Toluene	U		0.278	1.00	1	09/30/2023 12:41	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 12:41	WG2141959
1,2,4-Trimethylbenzene	4.83		0.322	1.00	1	09/30/2023 12:41	WG2141959
1,3,5-Trimethylbenzene	3.00		0.104	1.00	1	09/30/2023 12:41	WG2141959
Xylenes, Total	U		0.174	3.00	1	09/30/2023 12:41	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 12:41	WG2141959
m&p-Xylene	U		0.430	2.00	1	09/30/2023 12:41	WG2141959
(S) Toluene-d8	*111*			*80.0-120*		*09/30/2023 12:41*	WG2141959
(S) Toluene-d8	*91.6*			*80.0-120*		*10/02/2023 16:38*	WG2143185
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/30/2023 12:41*	WG2141959
(S) 4-Bromofluorobenzene	*89.9*			*77.0-126*		*10/02/2023 16:38*	WG2143185
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*09/30/2023 12:41*	WG2141959
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*		*10/02/2023 16:38*	WG2143185

Sample Narrative:

L1659634-06 WG2140204: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	U		170	800	1	10/07/2023 02:39	WG2144329
(S) o-Terphenyl	*63.2*			*50.0-150*		*10/07/2023 02:39*	WG2144329

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	10/04/2023 13:03	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHGAK C6 to C10	74.4	B J	28.7	100	1	10/04/2023 01:44	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*90.6*			*50.0-150*		*10/04/2023 01:44*	WG2144061

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,3-Trichloropropane	U		0.0200	0.0500	10	09/28/2023 21:23	WG2140204
1,2-Dibromoethane	U		0.0410	0.0500	10	09/28/2023 21:23	WG2140204
Benzene	18.1		0.0941	1.00	1	09/30/2023 13:02	WG2141959
Ethylbenzene	U		0.137	1.00	1	09/30/2023 13:02	WG2141959
Naphthalene	U		1.00	5.00	1	10/02/2023 16:57	WG2143185
Toluene	U		0.278	1.00	1	09/30/2023 13:02	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 13:02	WG2141959
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/30/2023 13:02	WG2141959
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/30/2023 13:02	WG2141959
Xylenes, Total	U		0.174	3.00	1	09/30/2023 13:02	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 13:02	WG2141959
m&p-Xylene	U		0.430	2.00	1	09/30/2023 13:02	WG2141959
(S) Toluene-d8	*109*			*80.0-120*		*09/30/2023 13:02*	WG2141959
(S) Toluene-d8	*90.4*			*80.0-120*		*10/02/2023 16:57*	WG2143185
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*09/30/2023 13:02*	WG2141959
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*		*10/02/2023 16:57*	WG2143185
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/30/2023 13:02*	WG2141959
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*10/02/2023 16:57*	WG2143185

Sample Narrative:

L1659634-07 WG2140204: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	U		170	800	1	10/07/2023 03:05	WG2144329
(S) o-Terphenyl	*56.6*			*50.0-150*		*10/07/2023 03:05*	WG2144329

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

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	U		2.99	6.00	1	10/04/2023 13:05	WG2140623

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHGAK C6 to C10	125	B	28.7	100	1	10/04/2023 02:07	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*96.9*			*50.0-150*		*10/04/2023 02:07*	WG2144061

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2,3-Trichloropropane	U		0.0200	0.0500	10	09/28/2023 21:47	WG2140204
1,2-Dibromoethane	U		0.0410	0.0500	10	09/28/2023 21:47	WG2140204
Benzene	U		0.0941	1.00	1	09/30/2023 13:22	WG2141959
Ethylbenzene	U		0.137	1.00	1	09/30/2023 13:22	WG2141959
Naphthalene	U		1.00	5.00	1	10/02/2023 17:16	WG2143185
Toluene	U		0.278	1.00	1	09/30/2023 13:22	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 13:22	WG2141959
1,2,4-Trimethylbenzene	0.659	J	0.322	1.00	1	09/30/2023 13:22	WG2141959
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/30/2023 13:22	WG2141959
Xylenes, Total	U		0.174	3.00	1	09/30/2023 13:22	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 13:22	WG2141959
m&p-Xylene	U		0.430	2.00	1	09/30/2023 13:22	WG2141959
(S) Toluene-d8	*110*			*80.0-120*		*09/30/2023 13:22*	WG2141959
(S) Toluene-d8	*91.4*			*80.0-120*		*10/02/2023 17:16*	WG2143185
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*09/30/2023 13:22*	WG2141959
(S) 4-Bromofluorobenzene	*88.9*			*77.0-126*		*10/02/2023 17:16*	WG2143185
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/30/2023 13:22*	WG2141959
(S) 1,2-Dichloroethane-d4	*86.6*			*70.0-130*		*10/02/2023 17:16*	WG2143185

Sample Narrative:

L1659634-08 WG2140204: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
AK102 DRO C10-C25	U		170	800	1	10/07/2023 03:31	WG2144329
(S) o-Terphenyl	*61.9*			*50.0-150*		*10/07/2023 03:31*	WG2144329

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TPHGAK C6 to C10	45.5	B J	28.7	100	1	10/03/2023 23:06	WG2144061
(S) a,a,a-Trifluorotoluene(FID)	*89.6*			*50.0-150*		*10/03/2023 23:06*	WG2144061

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	09/30/2023 07:17	WG2141959
Ethylbenzene	U		0.137	1.00	1	09/30/2023 07:17	WG2141959
Naphthalene	U	C3	1.00	5.00	1	09/30/2023 07:17	WG2141959
Toluene	U		0.278	1.00	1	09/30/2023 07:17	WG2141959
1,1,2-Trichloroethane	U		0.158	1.00	1	09/30/2023 07:17	WG2141959
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/30/2023 07:17	WG2141959
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/30/2023 07:17	WG2141959
Xylenes, Total	U		0.174	3.00	1	09/30/2023 07:17	WG2141959
o-Xylene	U		0.174	1.00	1	09/30/2023 07:17	WG2141959
m&p-Xylene	U		0.430	2.00	1	09/30/2023 07:17	WG2141959
(S) Toluene-d8	*111*			*80.0-120*		*09/30/2023 07:17*	WG2141959
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*09/30/2023 07:17*	WG2141959
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*09/30/2023 07:17*	WG2141959

Method Blank (MB)

(MB) R3981810-1 10/04/23 12:26

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) R3981810-2 10/04/23 12:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	950	95.0	80.0-120	

L1659634-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1659634-04 10/04/23 12:32 • (MS) R3981810-4 10/04/23 12:37 • (MSD) R3981810-5 10/04/23 12:40

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	944	950	94.4	95.0	1	75.0-125			0.587	20

Method Blank (MB)

(MB) R3981940-3 10/03/23 17:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	52.2	J	28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*60.0-120*

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

(LCS) R3981940-1 10/03/23 16:41 • (LCSD) R3981940-2 10/03/23 17:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	4720	4980	94.4	99.6	60.0-120			5.36	20
(S) a,a,a-Trifluorotoluene(FID)				*90.8*	*62.1*	*60.0-120*				

L1660702-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1660702-01 10/03/23 20:40 • (MS) R3981940-4 10/03/23 21:02 • (MSD) R3981940-5 10/03/23 21:25

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	47.6	4280	4200	84.6	83.0	1	70.0-130			1.89	20
(S) a,a,a-Trifluorotoluene(FID)					*71.0*	*90.0*		*50.0-150*				

Method Blank (MB)

(MB) R3979303-2 09/28/23 16:05

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

Laboratory Control Sample (LCS)

(LCS) R3979303-1 09/28/23 15:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0440	88.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0410	82.0	70.0-130	

Method Blank (MB)

(MB) R3980305-2 09/29/23 14:56

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

Laboratory Control Sample (LCS)

(LCS) R3980305-1 09/29/23 14:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichloropropane	0.0500	0.0460	92.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0480	96.0	70.0-130	

Method Blank (MB)

(MB) R3980365-3 09/30/23 06:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
1,1,2-Trichloroethane	U		0.158	1.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylene	U		0.430	2.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

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

(LCS) R3980365-1 09/30/23 05:56 • (LCSD) R3980365-2 09/30/23 06:16

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	5.00	5.69	5.39	114	108	70.0-123			5.42	20
Ethylbenzene	5.00	5.33	5.35	107	107	79.0-123			0.375	20
Naphthalene	5.00	3.66	3.61	73.2	72.2	54.0-135			1.38	20
Toluene	5.00	5.52	5.31	110	106	79.0-120			3.88	20
1,1,2-Trichloroethane	5.00	5.52	5.28	110	106	80.0-120			4.44	20
1,2,4-Trimethylbenzene	5.00	5.34	5.23	107	105	76.0-121			2.08	20
1,3,5-Trimethylbenzene	5.00	5.25	5.20	105	104	76.0-122			0.957	20
Xylenes, Total	15.0	16.8	15.9	112	106	79.0-123			5.50	20
o-Xylene	5.00	5.54	5.03	111	101	80.0-122			9.65	20
m&p-Xylene	10.0	11.3	10.9	113	109	80.0-122			3.60	20
(S) Toluene-d8				*111*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*107*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*106*	*110*	*70.0-130*				

Method Blank (MB)

(MB) R3980907-3 10/02/23 11:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
Ethylbenzene	U		0.137	1.00
Naphthalene	U		1.00	5.00
Toluene	U		0.278	1.00
1,1,2-Trichloroethane	U		0.158	1.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylene	U		0.430	2.00
(S) Toluene-d8	*92.3*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*86.8*			*70.0-130*

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

(LCS) R3980907-1 10/02/23 10:17 • (LCSD) R3980907-2 10/02/23 10:36

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	5.55	5.48	111	110	70.0-123			1.27	20
Ethylbenzene	5.00	5.26	5.13	105	103	79.0-123			2.50	20
Naphthalene	5.00	4.24	5.04	84.8	101	54.0-135			17.2	20
Toluene	5.00	5.45	5.50	109	110	79.0-120			0.913	20
1,1,2-Trichloroethane	5.00	5.14	5.16	103	103	80.0-120			0.388	20
1,2,4-Trimethylbenzene	5.00	5.38	5.27	108	105	76.0-121			2.07	20
1,3,5-Trimethylbenzene	5.00	5.19	5.13	104	103	76.0-122			1.16	20
Xylenes, Total	15.0	15.9	15.4	106	103	79.0-123			3.19	20
o-Xylene	5.00	5.25	5.03	105	101	80.0-122			4.28	20
m&p-Xylene	10.0	10.6	10.4	106	104	80.0-122			1.90	20
(S) Toluene-d8				*92.3*	*91.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*85.9*	*84.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*91.4*	*89.8*	*70.0-130*				

Method Blank (MB)

(MB) R3983329-1 10/06/23 17:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
AK102 DRO C10-C25	960		170	800
(S) o-Terphenyl	*60.4*			*60.0-120*

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

(LCS) R3983329-2 10/06/23 18:07 • (LCSD) R3983329-3 10/06/23 18:32

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	5570	5910	92.8	98.5	75.0-125			5.92	20
(S) o-Terphenyl				*60.7*	*81.5*	*60.0-120*				

L1659674-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1659674-03 10/06/23 18:58 • (MS) R3983329-4 10/06/23 19:23 • (MSD) R3983329-5 10/06/23 19:49

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	314	6100	5960	96.4	94.1	1	75.0-125			2.32	20
(S) o-Terphenyl					*74.4*	*80.6*		*50.0-150*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
Arcadis - Chevron - AK

880 H St.
Anchorage, AK 99501

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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

Report to:
Skip Robinson/Nick Wood

Email To:
Alaura.Gonzalez@arcadis.com;Gerald.Robinson

Project Description:
211079

City/State Collected: **Fairbanks, Alaska**

Please Circle: ~~PT MT CT ET~~ **Alaska Time**

Phone: **907-276-8095**

Client Project #
30063586

Lab Project #
CHEVARCAK-211079

SDG # **L1659634**
Table # **F017**

Collected by (print):
Danielle Gilbert

Site/Facility ID #
1501 S CUSHMAN ST

P.O. #

Acctnum: **CHEVARCAK**

Collected by (signature):
Danielle Gilbert

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed: **Standard**

Template: **T237911**

Prelogin: **P1024568**

PM: **110 - Brian Ford**

PB: **9/14/23 cam**

Shipped Via: **FedEX 2nd Day**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 100ml Amb HCl	EDB/123TCP 524LL 40mlAmb HCl	Total Lead 6010 250mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-2	grab	GW		9-22-23	1215	12	X	X	X	X	X		-01
MW-5		GW		9-22-23	1325								-02
MW-6		GW		9-22-23	1045								-03
MW-9		GW		9-20-23	1530								-04
MW-10		GW		9-22-23	1630								-05
MW-11		GW		9-22-23	1500								-06
MW-14R		GW		9-20-23	1730								-07
Dup-1		GW		9-22-23	—								-08
Trip Blank	—	GW		—	—		X				X		-09

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

Remarks: Report BTEX, Naphthalene, 1,2,4-TMB 1,3,5-TMB, 1,1,2-TCE

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # multi

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCL / MeoH TBR
Danielle Gilbert	9-23-23	1000		4
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: multi
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-26-23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

L16596 34

Tracking Numbers		Tempature
7019 5687 5088		CC48 4.3 402 1.3
7019 5687 5025		CC48 3.0HQ 3.0

Attachment C

Historical Groundwater Analytical Results – Second Quarter 1994 through 2022

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-1	06/20/94	440.92	15.25	--	425.67	--	**49**	--	**0.75**	**11**	**1.8**	**10**	--	--	--	--	
MW-1	09/27/94	440.92	14.83	--	426.09	--	**52**	--	**0.81**	**11.7**	**2.7**	**13.4**	--	--	--	--	
MW-1	11/21/94	440.92	15.48	--	425.44	--	**51**	--	**1.1**	**13**	**3.1**	**14**	--	--	--	--	
MW-1	03/29/95	440.92	16.13	--	424.79	--	**49**	--	**0.54**	**14**	**2.4**	**10**	--	--	--	--	
MW-1	06/29/95	440.94	14.45	--	426.49	**1.8**	**58**	--	**0.38**	**14**	**2.6**	**13**	--	--	--	--	
MW-1	09/18/95	440.94	13.12	--	427.82	--	**24**	--	**0.055**	**3.7**	**1.3**	**6.9**	--	--	--	--	
MW-1	12/13/95	440.94	15.00	--	425.94	**0.39**	**42**	--	**0.29**	**4**	**16**	**7.7**	--	--	--	--	
MW-1	03/08/96	440.94	16.10	--	424.84	**1.1**	**110**	--	**0.62**	**26**	**3.2**	**16**	--	--	--	--	
MW-1	05/31/96	440.94	15.13	--	425.81	--	**91.5**	--	**0.394**	**20.1**	**2.37**	**13.9**	--	--	--	--	
MW-1	09/19/96	440.94	15.18	--	425.76	--	**59.4**	--	**0.135**	**9.7**	**1.7**	**10.3**	--	--	--	--	
MW-1	12/11/96	440.96	15.73	--	425.23	--	**43.6**	--	**0.15**	**8.16**	**1.56**	**7.93**	--	--	--	--	
MW-1	03/13/97	440.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	06/18/97	440.96	15.40	--	425.56	--	**37.3**	--	<0.025	**3.53**	**1.49**	**6.91**	--	--	--	--	
MW-1	09/19/97	440.96	14.97	--	425.99	--	**17.2**	--	<0.025	**1.7**	**0.919**	**5.3**	--	--	--	--	
MW-1	12/10/97	440.96	15.80	--	425.16	--	**32.1**	--	<0.05	**2.77**	**1.86**	**9.46**	--	--	--	--	
MW-1	03/30/98	440.96	16.54	--	424.42	--	**16.8 / 9.34**	--	**0.0142 / <0.025**	**0.925 / 0.531**	**0.98 / 0.569**	**4.53 / 2.66**	--	--	--	--	
MW-1	06/08/98	440.96	15.94	--	425.02	--	**7.79**	--	<0.01	**0.408**	**0.476**	**2.39**	--	--	--	--	
MW-1	09/16/98	440.96	14.32	--	426.64	--	**12.2 / 13.8**	--	**0.0153 / 0.0197**	**0.356 / 0.469**	**0.593 / 0.719**	**3.2 / 3.68**	--	--	--	--	
MW-1	12/28/98	440.96	15.61	--	425.35	--	**14.3 / 16.3**	--	<0.05 / **0.0252**	**0.865 / 0.987**	**0.855 / 0.979**	**3.8 / 4.29**	--	--	--	--	
MW-1	03/13/99	440.96	16.54	--	424.42	--	**9.1**	--	<0.025	**0.351**	**0.751**	**3.26**	--	--	--	--	
MW-1	06/22/99	440.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	09/28/99	440.96	14.92	--	426.04	--	**8.9**	--	<0.02	**0.079**	**0.59**	**2.31**	--	--	--	--	
MW-1	12/15/99	440.96	15.84	--	425.12	--	**8.83**	--	**0.00888**	**0.139**	**0.505**	**2.11**	--	--	--	--	
MW-1	03/21/00	440.96	16.30	--	424.66	--	**8.95 / 11.5**	--	<0.01 / <0.005	**0.107 / 0.0917**	**0.346 / 0.34**	**1.47 / 1.44**	--	--	--	--	
MW-1	06/20/00	440.96	13.97	--	426.99	--	**4.69**	--	**0.00885**	**0.019**	**0.15**	**0.565**	--	--	--	--	
MW-1	09/13/00	440.96	12.99	--	427.97	--	**3.84 / 5.96**	--	<0.005 / <0.005	**0.0135 / 0.023**	**0.147 / 0.216**	**0.535 / 0.848**	--	--	--	--	
MW-1	12/13/00	440.96	14.79	--	426.17	--	**6.29 / 5.14**	--	<0.004 / <0.004	**0.0249 / 0.0142**	**0.178 / 0.125**	**0.631 / 0.452**	--	--	--	--	
MW-1	03/20/01	440.96	15.64	--	425.32	--	**6.39 / 6.69**	--	<0.0132 / <0.014	**0.0133 / 0.0172**	**0.218 / 0.21**	**0.793 / 0.754**	--	--	--	--	
MW-1	06/20/01	440.96	14.76	--	426.20	--	**4.16 / 6.18**	--	**0.00516 / 0.00295**	**0.00613 / 0.0107**	**0.194 / 0.197**	**0.756 / 0.785**	--	--	--	--	
MW-1	09/18/01	440.96	14.03	--	426.93	--	**4.88 / 5.73**	--	**0.00726 / 0.0078**	**0.00718** / <0.005	**0.189 / 0.186**	**0.706 / 0.627**	--	--	--	--	
MW-1	03/25/02	440.96	16.12	--	424.84	--	**5.07 / 5.31**	--	**0.00747 / 0.00528**	<0.005 / <0.005	**0.151 / 0.17**	**0.692 / 0.812**	--	--	--	--	
MW-1	09/15/02	440.96	13.02	--	427.94	--	**4.53 / 4.03**	--	**0.00369 / 0.00419**	**0.000738** / <0.005	**0.0813 / 0.107**	**0.424 / 0.394**	--	--	--	--	
MW-1	04/10/03	440.96	15.55	--	425.41	--	**4.8 / 4.9**	--	<0.01 / <0.02	<0.002 / <0.002	**0.072 / 0.073**	**0.33 / 0.33**	--	--	--	--	
MW-1	09/05/03	440.96	12.56	--	428.40	--	**2.6 / 2.9**	--	<0.005 / <0.01	**0.0006 / 0.0006**	**0.037 / 0.042**	**0.16 / 0.18**	--	--	--	--	
MW-1	03/03/04	440.96	15.85	--	425.11	--	**3.6 / 3.3**	--	<0.01 / <0.02	<0.002 / <0.002	**0.046 / 0.043**	**0.22 / 0.2**	--	--	--	--	
MW-1	09/20/04	440.96	15.32	--	425.64	--	**3.5 / 2.6**	--	<0.01 / <0.01	<0.0005 / <0.002	**0.033 / 0.037**	**0.17 / 0.19**	--	--	--	--	
MW-1	04/04/05	440.96	16.20	--	424.76	--	**2.8 / 2.5**	--	**0.0023 / 0.0021**	<0.0005 / <0.0005	**0.022 / 0.024**	**0.11 / 0.13**	--	--	--	--	
MW-1	09/29/05	440.91	14.16	--	426.75	--	**2.5 / 1.8**	--	<0.005 / <0.005	<0.0005 / <0.0005	**0.02 / 0.017**	**0.099 / 0.066**	--	--	--	--	
MW-1	03/24/06	440.91	16.25	--	424.66	--	**1.8 / 2**	--	<0.01 / <0.01	<0.0005 / <0.0005	**0.0088 / 0.011**	**0.049 / 0.06**	--	--	--	--	
MW-1	04/02/08	440.91	16.48	--	424.43	**0.325 / 0.466**	**3.25 / 2.83**	<0.758 / <0.75	**0.00676 / 0.00564**	**0.000652** / <0.0005	**0.0023 / 0.00187**	**0.0123 / 0.0101**	--	--	--	--	
MW-1	07/20/09	--	--	--	--	<0.056	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-1	07/26/10	440.91	15.30	--	425.61	**0.11 J / 0.097 J**	**1.0 / 1.1**	--	**0.0032 / 0.0032**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0015 / <0.0015	--	--	--	--	
MW-1	06/14/11	440.91	15.26	--	425.65	--	--	--	--	--	--	--	--	--	--	--	
MW-1	06/16/11	--	--	--	--	<0.048	**0.23**	--	<0.0020	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-1	08/20/12	440.91	14.75	--	426.16	**0.085 J**	**0.99**	--	**0.0074**	**0.0016 J**	<0.0005	<0.0015	--	--	--	--	
MW-1	07/26/13	440.91	14.91	--	426.00	--	--	--	--	--	--	--	--	--	--	--	
MW-1	07/27/13	--	--	--	--	**0.20 J**	**1.0 J**	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
MW-1	01/29/14	440.91	14.95	--	425.96	<0.20	<0.050	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
MW-1	09/24/14	446.51	12.75	--	433.76	--	--	--	--	--	--	--	--	--	--	--	
MW-1	09/25/14	--	--	--	--	**0.092 J**	**0.056 J**	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	--	--	
MW-1	09/14/15	446.51	12.65	--	433.86	<0.051	**0.072 J**	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-1	08/02/16	446.51	11.96	--	434.55	--	--	--	--	--	--	--	--	--	--	--	
MW-1	09/21/17	445.89	14.38	--	431.51	--	--	--	--	--	--	--	--	--	--	--	
MW-1	08/20/18	446.10	13.49	--	432.61	--	--	--	--	--	--	--	--	--	--	--	
MW-1	07/12/19	445.87	15.45	0.00	430.42	--	--	--	--	--	--	--	--	--	--	--	
MW-1	07/23/20	445.87	12.78	0.00	433.09	--	--	--	--	--	--	--	--	--	--	--	
MW-1	07/16/21	446.12	13.82	0.00	432.30	--	--	--	--	--	--	--	--	--	--	--	
MW-2	06/22/94	439.45	13.61	--	425.84	--	**37**	--	**11**	**9.3**	**1.2**	**4.9**	--	--	--	--	
MW-2	09/28/94	439.45	13.50	--	425.95	--	**67**	--	**18.8**	**13.8**	**1.4**	**6.7**	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-2	11/21/94	439.45	14.07	--	425.38	--	**140**	--	**38**	**33**	**4**	**14**	--	--	--	--	
MW-2	03/29/95	439.45	14.73	--	424.72	--	**110**	--	**29**	**26**	**2.1**	**10**	--	--	--	--	
MW-2	06/29/95	439.42	13.08	--	426.34	--	**42**	--	**8.3**	**8.1**	**1.1**	**4.7**	--	--	--	--	
MW-2	09/19/95	439.42	11.75	--	427.67	--	**26**	--	**5.4**	**6.1**	**0.65**	**2.3**	--	--	--	--	
MW-2	12/13/95	439.42	13.60	--	425.82	--	**170 / 150**	--	**24 / 24**	**29 / 28**	**1.3 / 1.3**	**7.5 / 7.7**	--	--	--	--	
MW-2	03/08/96	439.42	14.70	--	424.72	--	**91 / 100**	--	**18 / 22**	**14 / 22**	**1 / 1.7**	**5.5 / 9.8**	--	--	--	--	
MW-2	06/01/96	439.42	13.72	--	425.70	--	**83.9 / 80.1**	--	**17.1 / 16.6**	**14.4 / 13.8**	**1.03 / 1.01**	**4.97 / 4.85**	--	--	--	--	
MW-2	09/18/96	439.42	13.79	--	425.63	--	**12.4**	--	**1.26**	**1.25**	**0.132**	**0.925**	--	--	--	--	
MW-2	12/11/96	439.42	14.20	--	425.22	--	**26 / 24.8**	--	**1.86 / 1.9**	**5.52 / 5.36**	**0.473 / 0.459**	**3.47 / 3.24**	--	--	--	--	
MW-2	03/13/97	439.42	14.59	--	424.83	--	**0.741**	--	**0.0788**	**0.159**	**0.00954**	**0.134**	--	--	--	--	
MW-2	06/18/97	439.42	15.15	--	424.27	--	**0.067 / 0.0652**	--	**0.00221 / 0.00266**	**0.00631 / 0.00751**	**0.00293 / 0.00245**	**0.0182 / 0.0162**	--	--	--	--	
MW-2	09/19/97	439.42	14.28	--	425.14	--	<0.5	--	<0.0005	**0.000797**	<0.0005	**0.00145**	--	--	--	--	
MW-2	12/10/97	439.42	13.84	--	425.58	--	<0.5	--	**0.000529**	**0.000801**	**0.00102**	**0.00472**	--	--	--	--	
MW-2	03/30/98	439.42	14.65	--	424.77	--	**0.15**	--	<0.0005	**0.00684**	**0.00728**	**0.0536**	--	--	--	--	
MW-2	06/09/98	439.42	17.12	--	422.30	--	<0.5	--	<0.0005	**0.00149**	**0.000726**	**0.00356**	--	--	--	--	
MW-2	09/16/98	439.42	14.81	--	424.61	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-2	12/28/98	439.42	13.19	--	426.23	--	<0.5	--	<0.001	<0.001	<0.001	<0.002	--	--	--	--	
MW-2	03/13/99	439.42	14.75	--	424.67	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-2	06/22/99	439.42	15.36	--	424.06	--	<0.5	--	**0.00203**	<0.0005	**0.0012**	**0.00723**	--	--	--	--	
MW-2	09/28/99	439.42	14.29	--	425.13	--	**0.063 / 0.077**	--	**0.00314 / 0.00333**	**0.000887** / <0.0005	**0.00483 / 0.00544**	**0.0049 / 0.00485**	--	--	--	--	
MW-2	12/15/99	439.42	14.59	--	424.83	--	**0.0802**	--	**0.00736**	<0.0005	**0.00286**	**0.00451**	--	--	--	--	
MW-2	03/21/00	439.42	15.04	--	424.38	--	**0.0516**	--	**0.00648**	<0.0005	**0.00148**	**0.00213**	--	--	--	--	
MW-2	06/20/00	439.42	12.77	--	426.65	--	<0.8	--	**0.00189**	<0.0005	<0.0005	**0.00302**	--	--	--	--	
MW-2	09/13/00	439.42	11.74	--	427.68	--	<0.5	--	**0.00169**	<0.0005	**0.000807**	**0.00345**	--	--	--	--	
MW-2	12/13/00	439.42	13.59	--	425.83	--	**1.08**	--	**0.00594**	<0.00103	**0.0564**	**0.195**	--	--	--	--	
MW-2	03/20/01	439.42	14.39	--	425.03	--	**0.427**	--	**0.00507**	<0.0005	**0.0272**	**0.0686**	--	--	--	--	
MW-2	06/20/01	439.42	13.58	--	425.84	--	**0.147**	--	**0.00203**	<0.0005	**0.00999**	**0.0209**	--	--	--	--	
MW-2	09/18/01	439.42	12.83	--	426.59	--	**0.431**	--	**0.00251**	**0.0005**	**0.0264**	**0.102**	--	--	--	--	
MW-2	03/25/02	439.42	14.97	--	424.45	--	**1.16**	--	**0.00373**	**0.00487**	**0.0986**	**0.315**	--	--	--	--	
MW-2	09/15/02	439.42	11.76	--	427.66	--	**1.34**	--	**0.00747**	<0.005	**0.0759**	**0.319**	--	--	--	--	
MW-2	04/10/03	439.42	13.91	--	425.51	--	**2.7**	--	**0.0064**	<0.0005	**0.2**	**0.62**	--	--	--	--	
MW-2	09/05/03	439.42	11.28	--	428.14	--	**1.6**	--	**0.0043**	<0.0005	**0.11**	**0.43**	--	--	--	--	
MW-2	03/01/04	439.42	--	--	--	--	**--**	--	**--**	**--**	**--**	**--**	--	--	--	--	Well Beneath snowbank, no access
MW-2	09/20/04	439.42	14.03	--	425.39	--	**2.3**	--	**0.0051**	<0.0005	**0.15**	**0.41**	--	--	--	--	
MW-2	04/04/05	439.42	14.75	--	424.67	--	**1.9**	--	**0.0026**	<0.0005	**0.072**	**0.55**	--	--	--	--	
MW-2	09/29/05	439.39	12.76	--	426.66	--	**2.6**	--	**0.0058**	**0.0007**	**0.14**	**0.6**	--	--	--	--	
MW-2	03/26/06	439.39	14.79	--	424.60	--	**2.7**	--	**0.0038**	<0.0005	**0.096**	**0.68**	--	--	--	--	
MW-2	04/02/08	439.39	14.90	--	424.49	--	**--**	--	**--**	**--**	**--**	**--**	--	--	--	--	
MW-2	04/05/08	--	--	--	--	**0.674**	**1.81**	<0.714	**0.00317**	<0.0005	**0.0471**	**0.456**	--	--	--	--	
MW-2	07/21/09	--	--	--	--	**0.68**	**0.54**	--	<0.0005	<0.0005	**0.0077**	**0.12**	--	--	--	--	
MW-2	07/25/10	439.39	13.70	--	425.69	**0.64**	**1.7**	--	**0.0031**	**0.0006 J**	**0.027**	**0.28**	--	--	--	--	
MW-2	06/14/11	439.39	13.61	--	425.78	--	--	--	--	--	**--**	**--**	--	--	--	--	
MW-2	08/02/11	439.39	12.51	--	426.88	**0.19 J / 0.22 J**	**0.55 / 0.53**	--	**0.0032 / 0.0031**	<0.0005 / <0.0005	**0.010 / 0.0098**	**0.086 / 0.079**	--	--	--	--	
MW-2	08/20/12	439.39	13.40	--	425.99	**0.85**	**1.4**	--	**0.0032**	**0.0005 J**	**0.014**	**0.16**	--	--	--	--	
MW-2	07/26/13	439.39	13.49	--	425.90	--	--	--	--	--	**--**	**--**	--	--	--	--	
MW-2	07/27/13	--	--	--	--	**0.71**	**0.72**	--	**0.0015**	<0.00023	**0.011**	**0.17**	--	--	--	--	
MW-2	01/29/14	439.39	14.38	--	425.01	**1.2**	<0.050	--	**0.00063 J**	<0.00023	<0.00024	**0.0038**	--	--	--	--	
MW-2	09/14/15	439.39	11.71	--	427.68	**0.11 J**	**0.085 J**	--	<0.0005	<0.0005	<0.0005	**0.0008 J**	--	--	--	--	
MW-2	08/02/16	439.39	10.89	--	428.50	**0.071 J**	**0.073 J**	--	<0.0005	<0.0005	**0.001**	**0.004**	**0.00072**	--	--	--	
MW-2	09/21/17	444.70	13.22	--	431.48	**0.44 J**	**0.22**	--	**0.0009 J**	<0.0005	**0.0008 J**	**0.004**	**0.0053**	--	--	--	
MW-2	08/20/18	444.68	12.20	--	432.48	**0.26 / 0.28**	**0.083 J**	--	**0.001 / 0.001**	<0.0002 / <0.0002	**0.0009 J / 0.0007 J**	**0.006 / 0.005 J**	<0.00003 / <0.00003	--	--	--	
MW-2	07/12/19	444.45	14.02	0.00	430.43	**0.56**	< 0.10	--	< 0.00053	< 0.00039	< 0.00050	< 0.00075	**--**	--	--	--	
MW-2	07/24/20	444.45	11.34	0.00	433.11	<0.800	**0.0142 J**	--	**0.000518 J**	<0.00100	<0.00100	<0.00300	***<0.00500***	--	--	--	DTW from gauging event on 7/23/2020
MW-2	07/17/21	444.45	13.31	0.00	431.14	<0.800 B	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	--	<0.00100 J	<0.00600	
MW-2	07/11/22	444.44	12.28	0.00	432.16	**0.264 J**	**0.0377 J**	--	<0.00100 B	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	**0.00327 J**	
MW-2	10/11/22	444.44	13.02	0.00	431.42	**0.436 J**	<0.100	--	**0.000571 J**	<0.00100	<0.00100	<0.00300	***<0.00500 J***	<0.00000500	<0.00100	<0.00600	
MW-3	06/22/94	439.84	14.25	--	425.59	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	09/27/94	439.84	13.75	--	426.09	--	ND	--	**0.0016**	**0.002**	ND	**0.001**	--	--	--	--	
MW-3	11/22/94	439.84	14.38	--	425.46	--	ND	--	**0.0013**	ND	ND	ND	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-3	03/29/95	439.84	15.07	--	424.77	--	ND	--	**0.0021**	**0.002**	ND	**0.006**	--	--	--	--	
MW-3	06/29/95	439.93	13.40	--	426.53	--	ND	--	**0.0006**	ND	ND	ND	--	--	--	--	
MW-3	09/18/95	439.93	12.08	--	427.85	--	ND	--	**0.0006**	ND	ND	ND	--	--	--	--	
MW-3	12/12/95	439.93	14.10	--	425.83	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	03/08/96	439.93	15.12	--	424.81	ND	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	05/30/96	439.93	14.16	--	425.77	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	09/18/96	439.93	14.20	--	425.73	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	12/11/96	439.93	15.10	--	424.83	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	03/13/97	439.93	15.61	--	424.32	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-3	06/18/97	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	09/19/97	439.93	14.32	--	425.61	--	<0.5	--	<0.0005	<0.0005	<0.0005	**0.0011**	--	--	--	--	
MW-3	12/10/97	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	06/09/98	439.93	15.30	--	424.63	--	<0.5 / <0.5	--	<0.0005 / <0.0005	<0.0005 / <0.0005	0.000592 / <0.0005	**0.0022 / 0.00176**	--	--	--	--	
MW-3	09/16/98	439.93	13.69	--	426.24	--	**0.178**	--	<0.0005	**0.00504**	**0.00805**	**0.0687**	--	--	--	--	
MW-3	12/28/98	439.93	15.26	--	424.67	--	<0.5	--	<0.001	<0.001	<0.001	<0.002	--	--	--	--	
MW-3	03/13/99	439.93	15.89	--	424.04	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-3	06/22/99	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	09/28/99	439.93	14.32	--	425.61	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-3	12/15/99	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/21/00	439.93	15.04	--	424.89	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.0001	--	--	--	--	
MW-3	06/20/00	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	09/13/00	439.93	12.42	--	427.51	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.0001	--	--	--	--	
MW-3	12/13/00	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/20/01	439.93	15.10	--	424.83	--	<0.5	--	<0.0002	<0.0005	<0.0005	<0.0001	--	--	--	--	
MW-3	06/20/01	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	09/18/01	439.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	03/25/02	439.93	15.74	--	424.19	--	<0.5	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-3	04/09/03	439.93	15.13	--	424.80	--	**0.012**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3	09/01/04	439.93							Well decommissioned due to damage on 8/19/2004.								
MW-3R	09/29/05	440.14	13.38	--	426.76	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3R	03/24/06	440.14	15.31	--	424.83	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3R	04/02/08	440.14	15.45	--	424.69	--	--	--	--	--	--	--	--	--	--	--	
MW-3R	04/05/08	--	--	--	--	**0.506**	<0.05	<0.735	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-3R	07/21/09	--	--	--	--	**0.12**	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3R	07/26/10	440.14	14.19	--	425.95	**0.12 J**	**0.012 J**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3R	06/14/11	440.14	14.14	--	426.00	--	--	--	--	--	--	--	--	--	--	--	
MW-3R	06/15/11	--	--	--	--	**0.24 J**	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-3R	08/20/12	440.14	13.95	--	426.19	<0.049	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-4	06/20/94	439.23	13.51	--	425.72	--	**140**	--	**7.7**	**56**	**4.6**	**20**	--	--	--	--	
MW-4	09/27/94	439.23	13.15	--	426.08	--	**98**	--	**5.51**	**35**	**3.8**	**17.8**	--	--	--	--	
MW-4	11/21/94	439.23	13.74	--	425.49	--	**120**	--	**5.2**	**42**	**5**	**28**	--	--	--	--	
MW-4	03/29/95	439.23	14.44	--	424.79	--	**60**	--	**1**	**17**	**2.6**	**15**	--	--	--	--	
MW-4	06/29/95	439.16	12.76	--	426.40	**1.9**	**79**	--	**0.79**	**20**	**3.3**	**16**	--	--	--	--	
MW-4	09/18/95	439.16	11.35	--	427.81	--	**47**	--	**0.4**	**11**	**1.8**	**12**	--	--	--	--	
MW-4	12/13/95	439.16	13.30	--	425.86	--	**87**	--	**0.45**	**12**	**2.3**	**14**	--	--	--	--	
MW-4	03/08/96	439.16	14.39	--	424.77	--	**130**	--	**0.66**	**33**	**5.3**	**30**	--	--	--	--	
MW-4	05/31/96	439.16	13.38	--	425.78	--	**102**	--	**0.407**	**15.9**	**3.45**	**22.3**	--	--	--	--	
MW-4	09/19/96	439.16	13.45	--	425.71	--	**92.1**	--	**0.332**	**11**	**3.37**	**22.2**	--	--	--	--	
MW-4	12/12/96	439.16	14.22	--	424.94	--	**39.8**	--	**0.164**	**3.81**	**1.33**	**10.3**	--	--	--	--	
MW-4	03/13/97	439.16	14.81	--	424.35	--	**37.2**	--	**0.141**	**3.15**	**1.21**	**10.1**	--	--	--	--	
MW-4	06/18/97	439.16	13.81	--	425.35	--	**33.8**	--	<0.1	**2.76**	**1.27**	**9.77**	--	--	--	--	
MW-4	09/19/97	439.16	13.42	--	425.74	--	**34**	--	<0.1	**3.5**	**1.62**	**12.3**	--	--	--	--	
MW-4	12/10/97	439.16	14.33	--	424.83	--	**38.7**	--	**0.0506**	**1.82**	**1.33**	**11.3**	--	--	--	--	
MW-4	03/30/98	439.16	15.03	--	424.13	--	**20.5**	--	<0.05	**1.27**	**0.849**	**6.66**	--	--	--	--	
MW-4	06/09/98	439.16	14.34	--	424.82	--	**18.7**	--	<0.05	**0.771**	**0.673**	**6.53**	--	--	--	--	
MW-4	09/16/98	439.16	12.74	--	426.42	--	**29.1**	--	**0.0338**	**0.818**	**1.15**	**9.45**	--	--	--	--	
MW-4	12/28/98	439.16	14.43	--	424.73	--	**25.9**	--	**0.00803**	**0.275**	**0.939**	**7.03**	--	--	--	--	
MW-4	03/13/99	439.16	15.02	--	424.14	--	**13.6**	--	<0.05	**0.122**	**0.644**	**4.82**	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-4	06/22/99	439.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	09/28/99	439.16	13.49	--	425.67	--	**22.7**	--	<0.04	**0.095**	**0.766**	**4.89**	--	--	--	--	
MW-4	12/15/99	439.16	14.29	--	424.87	--	**17.5**	--	**0.0225**	**0.0454**	**0.71**	**3.7**	--	--	--	--	
MW-4	03/21/00	439.16	14.75	--	424.41	--	**12.5**	--	<0.025	**0.0276**	**0.366**	**1.99**	--	--	--	--	
MW-4	06/20/00	439.16	12.47	--	426.69	--	**14.9**	--	**0.0235**	**0.0475**	**0.395**	**1.79**	--	--	--	--	
MW-4	09/13/00	439.16	11.45	--	427.71	--	**12.4**	--	<0.01	**0.0278**	**0.386**	**2.01**	--	--	--	--	
MW-4	12/13/00	439.16	13.24	--	425.92	--	**11.5**	--	<0.01	<0.025	**0.442**	**1.91**	--	--	--	--	
MW-4	03/20/01	439.16	14.10	--	425.06	--	**9.26**	--	<0.0042	<0.01	**0.326**	**1.34**	--	--	--	--	
MW-4	06/20/01	439.16	13.27	--	425.89	--	**7.96**	--	**0.0125**	**0.0114**	**0.36**	**13.91**	--	--	--	--	
MW-4	09/18/01	439.16	12.51	--	426.65	--	**9.65**	--	**0.0129**	<0.01	**0.373**	**1.53**	--	--	--	--	
MW-4	03/25/02	439.16	14.65	--	424.51	--	**8.38 / 4.2**	--	**0.00919 / 0.00646**	**0.00536** / <0.005	**0.259 / 0.115**	**0.94 / 0.342**	--	--	--	--	
MW-4	09/15/02	439.16	11.46	--	427.70	--	**8.69**	--	**0.00693**	<0.005	**0.315**	**1.17**	--	--	--	--	
MW-4	04/10/03	439.16	13.96	--	425.20	--	**5.6**	--	<0.01	**0.0013**	**0.15**	**0.52**	--	--	--	--	
MW-4	09/05/03	439.16	10.88	--	428.28	--	**6.3**	--	<0.02	**0.0015**	**0.17**	**0.43**	--	--	--	--	
MW-4	03/03/04	439.16	14.09	--	425.07	--	**3.8**	--	<0.02	**0.001**	**0.11**	**0.3**	--	--	--	--	
MW-4	09/20/04	439.16	13.72	--	425.44	--	**6.1**	--	<0.02	<0.0025	**0.12**	**0.28**	--	--	--	--	
MW-4	04/04/05	439.16	14.48	--	424.68	--	**4**	--	**0.0032**	**0.0007**	**0.056**	**0.13**	--	--	--	--	
MW-4	09/29/05	438.98	12.50	--	426.66	--	**3.2**	--	<0.01	<0.005	**0.029**	**0.083**	--	--	--	--	
MW-4	03/24/06	438.98	14.30	--	424.68	--	**2.1**	--	**0.0041**	<0.0005	**0.023**	**0.045**	--	--	--	--	
MW-4	04/02/08	438.98	14.47	--	424.51	--	--	--	--	--	--	--	--	--	--	--	
MW-4	04/05/08	--	--	--	--	**0.511**	**2.5**	<0.773	**0.00581**	**0.000569**	**0.0113**	**0.0219**	--	--	--	--	
MW-4	07/21/09	--	--	--	--	**0.13**	**0.18**	--	**0.0005**	<0.0005	**0.0021**	**0.0033**	--	--	--	--	
MW-4	07/25/10	438.98	13.20	--	425.78	**0.092 J**	**0.049 J**	--	<0.0005	<0.0005	**0.0005 J**	**0.0021 J**	--	--	--	--	
MW-4	06/14/11	438.98	13.11	--	425.87	--	--	--	--	--	--	--	--	--	--	--	
MW-4	08/02/11	438.98	12.04	--	426.94	**0.087 J**	**0.031 J**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-4	08/20/12	438.98	12.93	--	426.05	<0.049	**0.049 J**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-4	07/26/13	438.98	13.03	--	425.95	--	--	--	--	--	--	--	--	--	--	--	
MW-4	07/27/13	--	--	--	--	**0.14 J**	<0.050	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
MW-4	01/29/14	438.98	13.46	--	425.52	**0.46**	<0.050	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
MW-4	09/24/14	444.83	10.76	--	434.07	--	--	--	--	--	--	--	--	--	--	--	
MW-4	09/25/14	--	--	--	--	**0.28 J**	<0.050	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	--	--	
MW-4	09/14/15	444.83	11.32	--	433.51	--	--	--	--	--	--	--	--	--	--	--	
MW-4	09/15/15	--	--	--	--	**0.12 J**	**0.040 J**	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-4	08/02/16	444.83	10.49	--	434.34	--	--	--	--	--	--	--	--	--	--	--	
MW-4	09/21/17	444.36	12.82	--	431.54	--	--	--	--	--	--	--	--	--	--	--	
MW-4	08/20/18	444.39	11.84	--	432.55	--	--	--	--	--	--	--	--	--	--	--	
MW-4	07/12/19	444.16	13.70	0.00	430.46	--	--	--	--	--	--	--	--	--	--	--	
MW-4	07/23/20	444.16	11.00	0.00	433.16	--	--	--	--	--	--	--	--	--	--	--	
MW-4	07/16/21	444.16	12.00	0.00	432.16	--	--	--	--	--	--	--	--	--	--	--	
MW-5	06/22/94	439.90	13.95	--	426.99	--	**150**	--	**33**	**45**	**3.8**	**16**	--	--	--	--	
MW-5	09/27/94	439.90	13.82	--	427.12	--	**103**	--	**22.8**	**24.1**	**2.9**	**13.9**	--	--	--	--	
MW-5	11/21/94	439.90	14.44	--	426.50	--	**150**	--	**29**	**39**	**5**	**30**	--	--	--	--	
MW-5	03/29/95	439.90	15.10	--	425.84	--	**160**	--	**12**	**25**	**5**	**50**	--	--	--	--	
MW-5	06/29/95	439.82	13.45	--	426.37	--	**19**	--	**17**	**37**	**5.2**	**33**	--	--	--	--	
MW-5	09/19/95	439.82	12.10	--	427.72	--	**170**	--	**26**	**48**	**4**	**26**	--	--	--	--	
MW-5	12/13/95	439.82	13.85	--	425.97	--	**420**	--	**43**	**60**	**56**	**35**	--	--	--	--	
MW-5	03/08/96	439.82	14.90	--	424.92	**2**	**240**	--	**37**	**46**	**3.2**	**15**	--	--	--	--	
MW-5	06/01/96	439.82	14.07	--	425.75	--	**124**	--	**15.4**	**25.4**	**2.11**	**9.89**	--	--	--	--	
MW-5	09/17/96	439.82	14.11	--	425.71	--	**176**	--	**22.4**	**36.2**	**2.83**	**14.4**	--	--	--	--	
MW-5	12/11/96	439.82	14.81	--	425.01	--	**175**	--	**17.2**	**34.5**	**3.21**	**18.2**	--	--	--	--	
MW-5	03/13/97	439.82	15.46	--	424.36	--	**54**	--	**3.12**	**12.9**	**0.986**	**8.43**	--	--	--	--	
MW-5	06/18/97	439.82	14.61	--	425.21	--	**7.15**	--	**0.23**	**0.953**	**0.259**	**1.21**	--	--	--	--	
MW-5	09/19/97	439.82	14.20	--	425.62	--	**2.15 / 3.05**	--	**0.0261 / <0.0125**	**0.402 / 0.613**	**0.108 / 0.158**	**0.551 / 0.769**	--	--	--	--	
MW-5	12/10/97	439.82	15.00	--	424.82	--	**7.7 / 6.39**	--	**0.16 / 0.138**	**0.427 / 0.418**	**0.336 / 0.34**	**1.94 / 1.72**	--	--	--	--	
MW-5	03/30/98	439.82	16.72	--	423.10	--	**1.69**	--	**0.00589**	**0.389**	**0.062**	**0.322**	--	--	--	--	
MW-5	06/09/98	439.82	15.14	--	424.68	--	**1.28**	--	<0.005	**0.281**	**0.0452**	**0.213**	--	--	--	--	
MW-5	09/16/98	439.82	13.53	--	426.29	--	**2.82 / 2.45**	--	<0.0125 / <0.01	**0.13 / 0.132**	**0.141 / 0.145**	**0.796 / 0.814**	--	--	--	--	
MW-5	12/28/98	439.82	15.09	--	424.73	--	**3.33**	--	**0.0021**	**0.06**	**0.218**	**0.881**	--	--	--	--	
MW-5	03/13/99	439.82	15.67	--	424.15	--	**4.49 / 5.37**	--	**0.0267 / 0.03**	**0.065 / 0.079**	**0.391 / 0.45**	**1.22 / 1.41**	--	--	--	--	

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Second Quarter 1994 through 2022
Former Texaco 211079
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Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-5	06/22/99	439.82	14.72	--	425.10	--	**5.66**	--	**0.0307**	**0.539**	**0.207**	**0.991**	--	--	--	--	
MW-5	09/28/99	439.82	14.18	--	425.64	--	**8.47**	--	<0.025	**0.052**	**0.282**	**1.46**	--	--	--	--	
MW-5	12/15/99	439.82	14.95	--	424.87	--	**7.58 / 5.9**	--	**0.0305 / 0.0238**	**0.0454 / 0.0318**	**0.411 / 0.307**	**1.92 / 1.38**	--	--	--	--	
MW-5	03/21/00	439.82	15.40	--	424.42	--	**5.38**	--	**0.013**	**0.0707**	**0.179**	**0.708**	--	--	--	--	
MW-5	06/20/00	439.82	13.13	--	426.69	--	**5.47 / 4.79**	--	**0.0143 / 0.0142**	**0.153 / 0.14**	**0.184 / 0.171**	**0.875 / 0.74**	--	--	--	--	
MW-5	09/13/00	439.82	12.16	--	427.66	--	**9.57**	--	**0.0117**	**0.134**	**0.38**	**2.19**	--	--	--	--	
MW-5	12/13/00	439.82	13.89	--	425.93	--	**13**	--	<0.01	**0.251**	**0.576**	**3.73**	--	--	--	--	
MW-5	03/20/01	439.82	14.74	--	425.08	--	**15.1**	--	<0.021	**0.338**	**0.637**	**3.71**	--	--	--	--	
MW-5	06/20/01	439.82	13.98	--	425.84	--	**11.8**	--	**0.00715**	**0.325**	**0.455**	**2.9**	--	--	--	--	
MW-5	09/18/01	439.82	13.13	--	426.69	--	**11.5**	--	**0.013**	**0.223**	**0.485**	**3.26**	--	--	--	--	
MW-5	03/25/02	439.82	15.30	--	424.52	--	**9.63**	--	**0.00552**	**0.0291**	**0.448**	**3.24**	--	--	--	--	
MW-5	09/15/02	439.82	12.13	--	427.69	--	**15.3**	--	**0.00898**	**0.0296**	**0.577**	**4.59**	--	--	--	--	
MW-5	04/10/03	439.82	14.49	--	425.33	--	**23**	--	<0.01	**0.021**	**0.85**	**6.8**	--	--	--	--	
MW-5	09/05/03	439.82	11.64	--	428.18	--	**18**	--	**0.03**	**0.037**	**0.57**	**4.6**	--	--	--	--	
MW-5	03/03/04	439.82	14.83	--	424.99	--	**24**	--	<0.02	**0.0058**	**0.68**	**5.6**	--	--	--	--	
MW-5	09/20/04	439.82	14.37	--	425.45	--	**20**	--	<0.02	**0.0042**	**0.5**	**4.5**	--	--	--	--	
MW-5	04/04/05	439.82	15.13	--	424.69	--	**11**	--	**0.0044**	**0.0022**	**0.24**	**2.4**	--	--	--	--	
MW-5	09/29/05	439.82	13.15	--	426.67	**1.4**	**13**	<0.1	<0.01	<0.0025	**0.27**	**2.3**	--	--	--	--	
MW-5	03/26/06	439.82	15.15	--	424.67	**2.8**	**11**	<0.42	**0.0095**	**0.0019**	**0.21**	**1.9**	--	--	--	--	
MW-5	04/02/08	439.82	15.58	--	424.24	**0.359**	<0.05	<0.765	<0.0005	**0.000647**	<0.0005	<0.001	--	--	--	--	
MW-5	07/20/09	--	--	--	--	**3.9**	**12**	--	**0.0096**	**0.0014**	**0.067**	**0.48**	--	--	--	--	
MW-5	07/25/10	439.82	14.09	--	425.73	**1.1 J**	**5.1**	--	**0.0067**	**0.0006 J**	**0.0090**	**0.059**	--	--	--	--	
MW-5	09/09/10	439.82	13.91	--	425.91	--	--	--	--	--	--	--	--	--	--	--	
MW-5	06/14/11	439.82	13.97	--	425.85	--	--	--	--	--	--	--	--	--	--	--	
MW-5	06/16/11	--	--	--	--	**3.7**	**5.9**	--	**0.0078 J**	<0.0025	**0.0089 J**	**0.058**	--	--	--	--	
MW-5	08/20/12	439.82	13.76	--	426.06	**4.3 / 4.3**	**8.0 / 7.2**	--	**0.013 / 0.0094 J**	**0.0036 J / 0.0028 J**	**0.0046 J / 0.0038 J**	**0.020 J / 0.019 J**	--	<0.0000097 / <0.0000097	<0.001 / <0.003	--	
MW-5	07/26/13	439.82	13.83	--	425.99	--	--	--	--	--	--	--	--	--	--	--	
MW-5	07/27/13	--	--	--	--	**2.5 / 2.2**	**1.6 / 1.6 J**	--	**0.00049 J / 0.00051 J**	<0.00023 / <0.00023	**0.0014 / 0.0013**	**0.0076 / 0.0071**	--	--	--	--	
MW-5	01/29/14	439.82	14.76	--	425.06	**4.0 J / 2.2 J**	**3.0 / 3.0**	--	**0.00080 J** / <0.0024	**0.00036 J** / <0.0023	**0.0012** / <0.0024	**0.0055** / <0.0072	--	--	--	--	
MW-5	09/14/15	439.82	12.10	--	427.72	**2.6 / 2.6**	**4.2 / 4.3**	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / 0.0005 J	**0.002 / 0.002**	--	--	--	--	
MW-5	08/02/16	439.82	11.31	--	428.51	**0.34 J**	**0.68**	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.000029	--	--	--	
MW-5	09/22/17	445.17	13.62	--	431.55	**0.061 J**	**0.066 J**	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.000029	--	--	--	
MW-5	08/20/18	445.16	12.61	--	432.55	**2.7**	**3.6**	--	**0.0006 J**	**0.0004 J**	**0.0006 J**	**0.001 J**	**0.004**	--	--	--	
MW-5	07/12/19	444.92	14.43	0.00	430.49	**1.4 [1.3]**	**2.3 [2.2]**	--	**0.00054 J [0.00053 J]**	< 0.00039 [< 0.00039]	**0.00052 J** [< 0.00050]	**0.0013 J** [< 0.00075]	--	--	--	--	
MW-5	07/24/20	444.92	11.78	0.00	433.14	**1.88 [1.83]**	**0.993 [1.030]**	--	**0.000326 J [0.000339 J]**	**0.000412 J [0.000382 J]**	**0.000226 J [0.000179 J]**	**0.000883 J [0.000925 J]**	***<0.00500 [<0.00500]***	--	--	--	DTW from gauging event on 7/23/2020
MW-5	07/16/21	444.92	13.71	0.00	431.21	**2.30 [3.01]**	**2.30 [2.28]**	--	**0.000516 J [0.000490 J]**	**0.000331 J [0.000409 J]**	**0.000302 J [0.000318 J]**	**0.000736 J [0.000979 J]**	***<0.00500 [<0.00500]***	--	<0.00100 J [<0.00100 J]	**0.00967 [0.00939]**	
MW-5	07/11/22	444.90	12.68	0.00	432.22	**3.21 [3.68]**	**2.81 [2.74]**	--	<0.00100 B ***[<0.00500]***	<0.00100 [<0.00500]	**0.000396 J** [<0.00500]	**0.00197 J** [<0.0150]	***<0.00500 [<0.0250]***	***<0.000250 [0.000250]***	<0.00100 ***[<0.00500]***	**0.00968 [0.00835]**	
MW-5	10/11/22	444.90	13.43	0.00	431.47	**1.37**	**0.993**	--	**0.00493 J**	<0.0100	<0.0100	<0.0300	***<0.0500 J***	***<0.000250***	***<0.0100***	**0.00557 J**	
MW-6	06/20/94	439.39	13.88	--	425.51	--	**13**	--	**2.3**	**0.65**	**0.85**	**2.6**	--	--	--	--	
MW-6	09/28/94	439.39	13.44	--	425.95	--	**9**	--	**2.43**	**0.9**	**0.7**	**1.8**	--	--	--	--	
MW-6	11/21/94	439.39	14.03	--	425.36	--	**28**	--	**5.8**	**7.8**	**1.6**	**5.2**	--	--	--	--	
MW-6	03/29/95	439.39	14.69	--	424.70	--	**32**	--	**3.4**	**7**	**1.7**	**6.5**	--	--	--	--	
MW-6	06/29/95	439.37	13.06	--	426.31	--	**4.2**	--	**0.23**	**0.008**	**0.51**	**0.96**	--	--	--	--	
MW-6	09/18/95	439.37	11.69	--	427.68	--	**2.4**	--	**0.19**	**0.017**	**0.3**	**0.39**	--	--	--	--	
MW-6	12/13/95	439.37	13.65	--	425.72	--	**39**	--	**3.6**	**7.3**	**1.2**	**4**	--	--	--	--	
MW-6	03/08/96	439.37	14.67	--	424.70	--	**58**	--	**3.6**	**17**	**2.1**	**7.9**	--	--	--	--	
MW-6	05/31/96	439.37	13.66	--	425.71	--	**15.3**	--	**0.377**	**1.02**	**0.972**	**3.38**	--	--	--	--	
MW-6	09/17/96	439.37	13.74	--	425.63	--	**15.4**	--	**0.848**	**2.08**	**0.84**	**2.5**	--	--	--	--	
MW-6	12/12/96	439.37	14.55	--	424.82	--	**31.7**	--	**2.08**	**7.24**	**1.16**	**3.39**	--	--	--	--	
MW-6	03/13/97	439.37	15.10	--	424.27	--	**22.4**	--	**0.773**	**4.51**	**1.17**	**3.95**	--	--	--	--	
MW-6	06/18/97	439.37	14.23	--	425.14	--	**8.06**	--	**0.124**	**0.05**	**0.846**	**1.68**	--	--	--	--	
MW-6	09/20/97	439.37	13.85	--	425.52	--	**2.46**	--	**0.0724**	**0.0331**	**0.387**	**0.39**	--	--	--	--	
MW-6	12/10/97	439.37	14.63	--	424.74	--	**5.13**	--	**0.728**	**5.13**	**1.13**	**2.64**	--	--	--	--	
MW-6	03/31/98	439.37	15.37	--	424.00	--	**12.2**	--	**0.174**	**0.638**	**1.31**	**3.47**	--	--	--	--	
MW-6	06/08/98	439.37	14.77	--	424.60	--	**4.55**	--	**0.0649**	**0.21**	**0.665**	**1.23**	--	--	--	--	
MW-6	09/16/98	439.37	13.16	--	426.21	--	**0.87**	--	**0.0144**	<0.0025	**0.173**	**0.159**	--	--	--	--	
MW-6	12/29/98	439.37	14.70	--	424.67	--	**16.9**	--	**0.249**	**4.21**	**1.11**	**2.71**	--	--	--	--	
MW-6	03/14/99	439.37	15.35	--	424.02	--	**23**	--	**0.176**	**4.55**	**1.82**	**5.84**	--	--	--	--	
MW-6	06/22/99	439.37	14.36	--	425.01	--	**5.91**	--	**0.0271**	<0.01	**0.769**	**1.78**	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-6	09/28/99	439.37	13.78	--	425.59	--	**0.698**	--	**0.0095**	<0.0025	**0.117**	**0.142**	--	--	--	--	
MW-6	12/16/99	439.37	14.59	--	424.78	--	**4.24 / 4.55**	--	**0.102 / 0.0971**	**0.24 / 0.226**	**0.562 / 0.522**	**0.964 / 0.903**	--	--	--	--	
MW-6	03/21/00	439.37	15.04	--	424.33	--	**10.4**	--	**0.0599**	**1.41**	**0.907**	**1.91**	--	--	--	--	
MW-6	06/20/00	439.37	12.77	--	426.60	--	**2.99**	--	**0.0135**	**0.00408**	**0.407**	**0.585**	--	--	--	--	
MW-6	09/13/00	439.37	11.80	--	427.57	--	**0.439**	--	**0.0042**	<0.0005	**0.0457**	**0.0888**	--	--	--	--	
MW-6	12/13/00	439.37	13.45	--	425.92	--	**0.655**	--	**0.00841**	**0.00103**	**0.049**	**0.0695**	--	--	--	--	
MW-6	03/20/01	439.37	14.42	--	424.95	--	**24.9**	--	**0.238**	**2.52**	**1.77**	**6.26**	--	--	--	--	
MW-6	06/20/01	439.37	13.56	--	425.81	--	**7.54**	--	**0.0543**	**0.0153**	**0.967**	**2.22**	--	--	--	--	
MW-6	09/18/01	439.37	12.84	--	426.53	--	**0.976**	--	**0.0134**	<0.25	**0.171**	**0.233**	--	--	--	--	
MW-6	03/25/02	439.37	14.98	--	424.39	--	**13.8**	--	**0.42**	**0.0788**	**1.41**	**3.3**	--	--	--	--	
MW-6	04/16/02	439.37	--	--	--	--	**24.6**	--	**0.198**	**1.41**	**1.68**	**6.16**	--	--	--	--	
MW-6	09/15/02	439.37	11.79	--	427.58	--	**0.34**	--	**0.00415**	<0.0005	**0.0116**	**0.0755**	--	--	--	--	
MW-6	04/09/03	439.37	14.25	--	425.12	--	**23 / 24**	--	**0.25 / 0.27**	**0.83 / 0.95**	**1.5 / 1.6**	**5.5 / 5.8**	--	--	--	--	
MW-6	09/05/03	439.37	11.34	--	428.03	--	**1.8**	--	**0.023**	<0.0005	**0.15**	**0.38**	--	--	--	--	
MW-6	03/03/04	439.37	14.55	--	424.82	--	**25**	--	**0.34**	**0.18**	**1.4**	**6.2**	--	--	--	--	
MW-6	09/20/04	439.37	14.06	--	425.31	--	**3.8**	--	**0.094**	**0.012**	**0.23**	**0.7**	--	--	--	--	
MW-6	04/04/05	439.37	14.82	--	424.55	--	**5.9 / 6.1**	--	**0.078 / 0.078**	**0.0006 / 0.0006**	**0.46 / 0.47**	**1.5 / 1.6**	--	--	--	--	
MW-6	09/29/05	439.47	**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-6	03/24/06	439.47	14.85	--	424.62	--	**16 / 17**	--	**0.25 / 0.25**	**0.0087 / 0.0097**	**1.3 / 1.3**	**4 / 4.2**	--	--	--	--	
MW-6	04/02/08	439.47	15.01	--	424.46	**1.04 / 1.15**	**7.56 / 7.28**	<0.773 / <0.781	**0.0438 / 0.0432**	**0.00106 / 0.00108**	**0.56 / 0.534**	**1.8 / 1.75**	--	--	--	--	
MW-6	07/21/09	--	--	--	--	**0.16**	**0.73**	--	**0.0063**	<0.0005	**0.023**	**0.18**	--	--	--	--	
MW-6	07/26/10	439.47	13.81	--	425.66	**0.13 J / 0.15 J**	**0.33 / 0.31**	--	**0.0028 / 0.0028**	<0.0005 / <0.0005	<0.0005 / <0.0005	**0.0037 J / 0.0034 J**	--	--	--	--	
MW-6	07/26/13	439.47	**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-6	08/22/18	439.47	12.42	--	427.05	<0.18 J	**0.057 J**	--	**0.001**	<0.0002	<0.0002	<0.0005	--	--	--	--	
MW-6	07/12/19	444.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Buried under gravel during sampling event
MW-6	07/24/20	444.67	11.56	0.00	433.11	<0.800	**0.0145 J**	--	**0.0000962 J**	<0.00100	<0.00100	<0.00300	--	--	--	--	DTW from gauging event on 7/23/2020
MW-6	07/17/21	444.67	13.54	0.00	431.13	<0.800 B [<0.800 B]	<0.100 B [<0.100 B]	--	**0.000546 J [0.000510 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	***<0.00500 [<0.00500]***	--	<0.00100 J [<0.00100 J]	<0.00600 [<0.00600]	
MW-6	07/11/22	444.68	12.54	0.00	432.14	<0.84	**0.0371 J**	--	<0.00100 B	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	**0.00325 J**	
MW-6	10/11/22	444.68	13.25	0.00	431.43	**0.202 J**	**0.122**	--	**0.00161**	<0.00100	**0.000964 J**	**0.00326**	***<0.00500 J***	***<0.000250***	<0.00100	<0.00600	
MW-7	06/22/94	439.72	13.97	--	425.75	--	**44**	--	**11**	**6.2**	**1.6**	**5.5**	--	--	--	--	
MW-7	09/28/94	439.72	13.90	--	425.82	--	**38**	--	**11.4**	**5.9**	**1.8**	**5.8**	--	--	--	--	
MW-7	11/22/94	439.72	14.46	--	425.26	--	**41**	--	**12**	**8.6**	**1.9**	**6.9**	--	--	--	--	
MW-7	03/29/95	439.72	15.12	--	424.60	--	**39**	--	**8.6**	**6.8**	**1.6**	**6.1**	--	--	--	--	
MW-7	06/29/95	439.70	13.45	--	426.25	--	**18**	--	**5.1**	**2.5**	**0.9**	**2.6**	--	--	--	--	
MW-7	09/18/95	439.70	12.08	--	427.62	--	**2.7**	--	**0.75**	**0.005**	**0.25**	**0.286**	--	--	--	--	
MW-7	12/13/95	439.70	14.00	--	425.70	--	**26**	--	**4.8**	**0.53**	**1**	**3.8**	--	--	--	--	
MW-7	03/08/96	439.70	15.10	--	424.60	--	**25**	--	**5.1**	**0.25**	**0.96**	**2.4**	--	--	--	--	
MW-7	06/01/96	439.70	14.11	--	425.59	--	**13.2**	--	**3.36**	**0.0381**	**0.649**	**1.03**	--	--	--	--	
MW-7	09/18/96	439.70	14.19	--	425.51	--	**15.8**	--	**4.06**	**0.0526**	**0.807**	**1.12**	--	--	--	--	
MW-7	12/11/96	439.70	14.98	--	424.72	--	**12.3**	--	**3.34**	**0.0529**	**0.715**	**0.884**	--	--	--	--	
MW-7	03/13/97	439.70	15.52	--	424.18	--	**13.6**	--	**3.37**	**0.162**	**0.785**	**1.17**	--	--	--	--	
MW-7	06/18/97	439.70	14.66	--	425.04	--	**4.63**	--	**1.43**	<0.0125	**0.371**	**0.257**	--	--	--	--	
MW-7	09/20/97	439.70	14.27	--	425.43	--	**3.23**	--	**1.25**	<0.01	**0.305**	**0.181**	--	--	--	--	
MW-7	12/10/97	439.70	14.95	--	424.75	--	**2.31**	--	**0.818**	<0.01	**0.253**	**0.112**	--	--	--	--	
MW-7	03/31/98	439.70	15.79	--	423.91	--	**0.798**	--	**0.28**	<0.0025	**0.145**	**0.0127**	--	--	--	--	
MW-7	06/09/98	439.70	15.19	--	424.51	--	**0.473**	--	**0.157**	**0.00101**	**0.117**	**0.00789**	--	--	--	--	
MW-7	09/16/98	439.70	13.57	--	426.13	--	**0.264**	--	**0.0553**	**0.00217**	**0.0422**	**0.0323**	--	--	--	--	
MW-7	12/28/98	439.70	15.15	--	424.55	--	**0.186**	--	**0.045**	**0.00122**	**0.0343**	**0.02006**	--	--	--	--	
MW-7	03/13/99	439.70	15.75	--	423.95	--	**0.203 / 0.181**	--	**0.061 / 0.0607**	<0.0005 / <0.0005	**0.043 / 0.0426**	<0.001 / <0.001	--	--	--	--	
MW-7	06/22/99	439.70	14.77	--	424.93	--	**0.0859**	--	**0.0243**	<0.0005	**0.0075**	<0.001	--	--	--	--	
MW-7	09/28/99	439.70	14.19	--	425.51	--	**0.119 / 0.149**	--	**0.0186 / 0.0218**	<0.0005 / 0.00082	**0.0062 / 0.0073**	**0.0175 / 0.0217**	--	--	--	--	
MW-7	12/16/99	439.70	14.97	--	424.73	--	**0.0503**	--	**0.0162**	<0.0005	**0.00117**	<0.001	--	--	--	--	
MW-7	03/21/00	439.70	15.42	--	424.28	--	**0.0516**	--	**0.0163**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-7	06/20/00	439.70	13.14	--	426.56	--	**0.0516**	--	**0.0156**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-7	09/13/00	439.70	12.17	--	427.53	--	<0.8	--	**0.00499**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-7	12/13/00	439.70	13.92	--	425.78	--	<0.8	--	**0.00483**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-7	03/21/01	439.70	14.79	--	424.91	--	<0.5 / <0.5	--	**0.00309 / 0.0135**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	--	--	
MW-7	06/20/01	439.70	13.96	--	425.74	--	<0.5 / <0.5	--	**0.00702 / 0.00474**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	--	--	
MW-7	09/18/01	439.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-7	03/25/02	439.70	15.31	--	424.39	--	**1.16**	--	**0.00153**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-7	04/10/03	439.70	14.66	--	425.04	--	**0.015**	--	**0.0008**	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-7	03/03/04	439.70	14.89	--	424.81	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-7	04/04/05	439.70	14.90	--	424.50	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-7	03/24/06	439.70	15.21	--	424.49	--	**0.01**	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-7	04/02/08	439.70	15.33	--	424.37	**0.208**	<0.05	<0.773	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-7	07/20/09	--	--	--	--	**0.072**	<0.01	**--**	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-7	07/25/10	439.70	14.12	--	425.58	**0.056 J**	<0.010	**--**	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-7	06/14/11	439.70	14.05	--	425.65	--	--	--	--	--	--	--	--	--	--	--	
MW-7	08/02/11	439.70	12.95	--	426.75	<0.049	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-7	08/20/12	439.70	13.85	--	425.85	<0.050	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	06/27/95	439.58	13.39	--	426.19	**0.1**	**1.65**	--	**0.711**	**0.001**	**0.03**	**0.019**	--	--	--	--	
MW-8	09/19/95	439.58	12.03	--	427.55	--	**4.4**	--	**2.2**	**0.015**	**0.102**	**0.154**	--	--	--	--	
MW-8	12/13/95	439.58	13.96	--	425.62	**2.4**	**7.2**	--	**0.24**	ND	**0.0028**	**0.0017**	--	--	--	--	
MW-8	03/08/96	439.58	15.03	--	424.55	--	**2.6**	--	ND	ND	**0.013**	**0.0035**	--	--	--	--	
MW-8	05/31/96	439.58	14.03	--	425.55	**0.478**	**1.94**	--	**0.726**	ND	**0.00442**	**0.0101**	--	--	--	--	
MW-8	09/16/96	439.58	14.11	--	425.47	--	**1.36**	--	**0.593**	ND	**0.00107**	ND	--	--	--	--	
MW-8	12/11/96	439.58	14.93	--	424.65	--	**1.31**	--	**0.592**	**0.000518**	**0.00309**	**0.00105**	--	--	--	--	
MW-8	03/13/97	439.58	15.41	--	424.17	--	**0.362**	--	**0.126**	ND	**0.00167**	ND	--	--	--	--	
MW-8	06/18/97	439.58	14.58	--	425.00	--	**1.71**	--	**0.673**	<0.005	<0.005	<0.01	--	--	--	--	
MW-8	09/20/97	439.58	14.19	--	425.39	--	**0.114**	--	**0.0529**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	12/10/97	439.58	14.95	--	424.63	--	**0.0787**	--	**0.0334**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	03/20/98	439.58	15.72	--	423.86	--	--	--	--	--	--	--	--	--	--	--	
MW-8	06/09/98	439.58	15.11	--	424.47	--	**0.427**	--	**0.299**	<0.0025	**0.00302**	**0.00814**	--	--	--	--	
MW-8	09/16/98	439.58	13.49	--	426.09	--	**1.87**	--	**1.53**	<0.01	**0.0367**	**0.0517**	--	--	--	--	
MW-8	12/29/98	439.58	15.10	--	424.48	--	**0.485**	--	**0.257**	<0.0025	<0.0025	<0.005	--	--	--	--	
MW-8	03/14/99	439.58	15.68	--	423.90	--	<0.5	--	**0.019**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	06/22/99	439.58	14.70	--	424.88	--	**1.13**	--	**0.534**	<0.01	<0.01	<0.02	--	--	--	--	
MW-8	09/28/99	439.58	14.12	--	425.46	--	**1.4**	--	**0.637**	<0.01	<0.01	<0.02	--	--	--	--	
MW-8	12/16/99	439.58	14.89	--	424.69	--	**0.0775**	--	**0.04**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	03/21/00	439.58	15.35	--	424.23	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	06/20/00	439.58	13.06	--	426.52	--	**1.13**	--	**0.436**	<0.005	**0.00504**	<0.01	--	--	--	--	
MW-8	09/14/00	439.58	12.06	--	427.52	--	**0.242**	--	**0.106**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	12/14/00	439.58	13.84	--	425.74	--	<0.5	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	03/21/01	439.58	14.71	--	424.87	--	<0.5	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	06/20/01	439.58	13.89	--	425.69	--	**0.296**	--	**0.141**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	09/18/01	439.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	03/25/02	439.58	15.30	--	424.28	--	<0.05	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-8	04/10/03	439.58	14.58	--	425.00	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	03/03/04	439.58	14.80	--	424.78	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	04/04/05	439.58	15.11	--	424.47	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	03/24/06	439.58	15.13	--	424.45	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	04/02/08	439.58	15.44	--	424.14	--	--	--	--	--	--	--	--	--	--	--	Ice in well casing prevented access
MW-8	07/20/09	--	--	--	--	<0.052	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	07/25/10	439.58	14.09	--	425.49	<0.049	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	06/14/11	439.58	13.90	--	425.68	--	--	--	--	--	--	--	--	--	--	--	
MW-8	06/15/11	--	--	--	--	<0.052	<0.010	--	**0.0014 J**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-8	08/20/12	439.58	13.79	--	425.79	<0.049	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-9	06/30/95	438.76	12.51	--	426.25	--	**87**	--	**3.7**	**2.1**	**3.8**	**16**	--	--	--	--	
MW-9	09/19/95	438.76	11.10	--	427.66	--	**78**	--	**3.2**	**37**	**3.1**	**14**	--	--	--	--	
MW-9	12/13/95	438.76	13.00	--	425.76	--	**91**	--	**2.9**	**18**	**2.3**	**11**	--	--	--	--	
MW-9	03/08/96	438.76	14.10	--	424.66	--	**110 / 110**	--	**3.7 / 3.8**	**34 / 35**	**3.6 / 3.7**	**17 / 17**	--	--	--	--	
MW-9	05/30/96	438.76	13.10	--	425.66	--	**104**	--	**2.53**	**22.8**	**3.52**	**15.9**	--	--	--	--	
MW-9	09/16/96	438.76	13.19	--	425.57	--	**72.4**	--	**1.67**	**16**	**2.4**	**10.9**	--	--	--	--	
MW-9	12/12/96	438.76	13.96	--	424.80	--	**111**	--	**2.29**	**24.9**	**4.44**	**18.3**	--	--	--	--	
MW-9	03/13/97	438.76	14.52	--	424.24	--	**84.7 / 79.3**	--	**1.62 / 1.58**	**19.3 / 19.1**	**2.94 / 2.84**	**13.8 / 13.5**	--	--	--	--	
MW-9	06/18/97	438.76	13.66	--	425.10	--	**74.4 / 74.6**	--	**1.12 / 1.13**	**14.7 / 14.8**	**3.34 / 3.24**	**14.3 / 13.9**	--	--	--	--	
MW-9	09/20/97	438.76	13.27	--	425.49	--	**59.2**	--	**0.84**	**15.9**	**2.87**	**12.6**	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-9	12/10/97	438.76	14.00	--	424.76	--	**66.8 / 69.8**	--	**0.76 / 0.804**	**16.7 / 17**	**2.99 / 3.57**	**16 / 16.6**	--	--	--	--	
MW-9	03/30/98	438.76	14.80	--	423.96	--	**57.9**	--	**0.508**	**13.9**	**2.71**	**12.5**	--	--	--	--	
MW-9	06/09/98	438.76	14.21	--	424.55	--	**52.9**	--	**0.513**	**12**	**2.61**	**12.1**	--	--	--	--	
MW-9	09/17/98	438.76	12.59	--	426.17	--	**29.7**	--	**0.332**	**5.52**	**1.3**	**7.06**	--	--	--	--	
MW-9	12/29/98	438.76	14.15	--	424.61	--	**52.9**	--	**0.238**	**9.92**	**2.32**	**12.83**	--	--	--	--	
MW-9	03/13/99	438.76	14.78	--	423.98	--	**56.4**	--	**0.272**	**11.2**	**3.24**	**16.7**	--	--	--	--	
MW-9	08/09/99	438.76	--	--	--	--	**56.2**	--	**0.11**	**6.64**	**2.61**	**11.8**	--	--	--	--	
MW-9	09/28/99	438.76	13.22	--	425.54	--	**36.3**	--	<0.2	**4.61**	**1.92**	**9.24**	--	--	--	--	
MW-9	12/15/99	438.76	13.98	--	424.78	--	**45.8**	--	<0.125	**6.67**	**2.53**	**13.9**	--	--	--	--	
MW-9	03/22/00	438.76	14.43	--	424.33	--	**54.1**	--	**0.0598**	**4.77**	**2.05**	**10.9**	--	--	--	--	
MW-9	06/20/00	438.76	12.16	--	426.60	--	**44.2**	--	**0.062**	**3.54**	**2.02**	**10.4**	--	--	--	--	
MW-9	09/14/00	438.76	11.20	--	427.56	--	**41.9**	--	**0.0346**	**3.45**	**1.97**	**10.6**	--	--	--	--	
MW-9	12/14/00	438.76	12.94	--	425.82	--	**26.2**	--	<0.02	**1.92**	**1.3**	**7.29**	--	--	--	--	
MW-9	03/21/01	438.76	13.81	--	424.95	--	**37.7**	--	<0.046	**2.52**	**1.98**	**11**	--	--	--	--	
MW-9	06/20/01	438.76	12.98	--	425.78	--	**35.6**	--	**0.0408**	**2.3**	**1.83**	**11.4**	--	--	--	--	
MW-9	09/18/01	438.76	12.24	--	426.52	--	**19.4**	--	<0.02	**0.567**	**1.1**	**6.01**	--	--	--	--	
MW-9	03/25/02	438.76	14.37	--	424.39	--	**42.4**	--	**0.0189**	**1.47**	**2.01**	**12.5**	--	--	--	--	
MW-9	09/15/02	438.76	11.17	--	427.59	--	**24.5**	--	**0.0125**	**0.175**	**1.28**	**5.81**	--	--	--	--	
MW-9	04/10/03	438.76	13.64	--	425.12	--	**41**	--	<0.05	**0.43**	**1.7**	**11**	--	--	--	--	
MW-9	09/05/03	438.76	10.71	--	428.05	--	**35**	--	<0.05	**0.22**	**1.5**	**9.3**	--	--	--	--	
MW-9	03/03/04	438.76	13.87	--	424.89	--	**34**	--	<0.05	**0.13**	**1.3**	**7.3**	--	--	--	--	
MW-9	09/20/04	438.76	13.45	--	425.31	--	**27**	--	<0.05	**0.053**	**1.1**	**5.9**	--	--	--	--	
MW-9	04/04/05	438.76	14.18	--	424.58	--	**26**	--	<0.01	**0.11**	**1.2**	**6.6**	--	--	--	--	
MW-9	09/29/05	438.75	12.25	--	426.51	**1.4**	**20**	<0.19	<0.01	**0.041**	**0.86**	**4.6**	--	--	--	--	
MW-9	03/26/06	438.75	14.21	--	424.54	**2.4**	**24**	<0.39	<0.1	**0.075**	**0.96**	**5.8**	--	--	--	--	
MW-9	04/02/08	438.75	14.33	--	424.42	**4.06**	**19.6**	<0.773	**0.01**	**0.0232**	**0.72**	**3.85**	--	--	--	--	
MW-9	07/22/09	--	--	--	--	**1.9**	**8.8**	--	<0.015	**0.0057**	**0.33**	**1.4**	--	--	--	--	
MW-9	07/25/10	438.75	13.16	--	425.59	**1.3 J**	**9.2**	--	<0.050	**0.0061 J**	**0.30**	**1.4**	--	--	--	--	
MW-9	09/09/10	438.75	12.96	--	425.79	--	--	--	--	--	--	--	--	--	--	--	
MW-9	06/14/11	438.75	13.04	--	425.71	--	--	--	--	--	--	--	--	--	--	--	
MW-9	06/15/11	--	--	--	--	**1.7 / 1.6**	**4.8 / 4.9**	--	<0.030 / <0.030	**0.0043 J / 0.0046 J**	**0.14 / 0.15**	**0.64 / 0.66**	--	--	--	--	
MW-9	08/20/12	438.75	12.85	--	425.90	**1.5 / 1.5**	**5.7 / 5.6**	--	<0.033 / <0.034	**0.0045 J / 0.0040 J**	**0.14 / 0.14**	**0.52 / 0.51**	--	--	--	--	
MW-9	07/26/13	438.75	12.91	--	425.84	--	--	--	--	--	--	--	--	--	--	--	
MW-9	07/27/13	--	--	--	--	**1.6**	**4.2**	--	**0.00058 J**	**0.0019**	**0.12**	**0.49**	--	--	--	--	
MW-9	01/29/14	438.75	13.74	--	425.01	**1.6**	**5.0**	--	<0.0024	**0.0047 J**	**0.14**	**0.59**	--	--	--	--	
MW-9	09/24/14	444.34	10.56	--	433.78	--	--	--	--	--	--	--	--	--	--	--	
MW-9	09/25/14	--	--	--	--	**0.077 J** / <0.060 J	**0.075 J / 0.058 J**	--	<0.00015 / <0.00015	<0.00011 / <0.00011	**0.00094 J / 0.00055 J**	**0.0027 J** / <0.00040	--	--	--	--	
MW-9	09/14/15	444.34	11.11	--	433.23	--	--	--	--	--	--	--	--	--	--	--	
MW-9	09/15/15	--	--	--	--	**1.0**	**2.5**	--	<0.0005	<0.0005	**0.050**	**0.13**	--	--	--	--	
MW-9	08/02/16	444.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	09/21/17	444.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	08/20/18	444.04	11.62	--	432.42	**0.75**	**1.9**	--	**0.0005 J**	**0.0008 J**	**0.044**	**0.097**	**0.003**	--	--	--	
MW-9	07/12/19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-9	07/23/20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible
MW-9	07/16/21	444.04	3.80	0.00	440.24	--	--	--	--	--	--	--	--	--	--	--	Well frozen at 3.8 ft
MW-9	07/11/22	443.79	11.70	0.00	432.13	<0.84	**0.0453 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	**0.00388 J**	
MW-9	10/11/22	443.79	12.40	0.00	431.39	**0.289 J**	**0.111**	--	<0.00100	<0.00100	**0.000499 J**	**0.00359**	***<0.00500 J***	***<0.000250***	<0.00100	**0.00719**	
MW-10	06/30/95	439.22	12.78	--	426.44	--	**23**	--	**0.0212**	**2.5**	**1.5**	**7**	--	--	--	--	
MW-10	09/19/95	439.22	11.45	--	427.77	--	**13**	--	**0.021**	**0.89**	**0.98**	**3.8**	--	--	--	--	
MW-10	12/12/95	439.22	13.30	--	425.92	--	**19**	--	**0.088**	**0.13**	**1.4**	**3.4**	--	--	--	--	
MW-10	03/08/96	439.22	14.38	--	424.84	--	**13**	--	**0.099**	**0.015**	**1**	**1.8**	--	--	--	--	
MW-10	06/01/96	439.22	13.42	--	425.80	--	**17.4**	--	**0.108**	**0.0493**	**1.23**	**2.34**	--	--	--	--	
MW-10	09/19/96	439.22	13.48	--	425.74	--	**20.4**	--	**0.224**	**0.292**	**1.52**	**3.61**	--	--	--	--	
MW-10	12/11/96	439.22	14.25	--	424.97	--	**14.3**	--	**0.107**	**0.0538**	**1.15**	**1.89**	--	--	--	--	
MW-10	03/13/97	439.22	14.80	--	424.42	--	**3.38**	--	**0.0237**	ND	**0.462**	**0.491**	--	--	--	--	
MW-10	06/10/97	439.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	09/19/97	439.22	13.54	--	425.68	--	**21.3**	--	**0.302**	**1.06**	**1.86**	**6.63**	--	--	--	--	
MW-10	12/10/97	439.22	14.33	--	424.89	--	**8.57**	--	**0.0548**	**0.025**	**0.953**	**1.3**	--	--	--	--	
MW-10	03/30/98	439.22	15.06	--	424.16	--	**1.68**	--	**0.0109**	ND	**0.281**	**0.255**	--	--	--	--	

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Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
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Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-10	06/09/98	439.22	14.49	--	424.73	--	**2.2**	--	<0.02	<0.0025	**0.313**	**0.23**	--	--	--	--	
MW-10	09/17/98	439.22	12.88	--	426.34	--	**2.2**	--	**0.0167**	<0.005	**0.373**	**0.347**	--	--	--	--	
MW-10	12/28/98	439.22	14.42	--	424.80	--	**2.95**	--	**0.00829**	<0.001	**0.503**	**0.481**	--	--	--	--	
MW-10	03/13/99	439.22	15.03	--	424.19	--	**2**	--	**0.0133**	<0.005	**0.424**	**0.443**	--	--	--	--	
MW-10	08/09/99	439.22	--	--	--	--	**13.2**	--	**0.061**	**0.549**	**0.991**	**3.47**	--	--	--	--	
MW-10	09/28/99	439.22	13.48	--	425.74	--	**8.17**	--	**0.04**	**0.0984**	**0.836**	**2.5**	--	--	--	--	
MW-10	12/15/99	439.22	14.27	--	424.95	--	**5.14**	--	**0.0206**	**0.00248**	**0.947**	**0.988**	--	--	--	--	
MW-10	03/21/00	439.22	14.72	--	424.50	--	**2.43**	--	**0.00778**	<0.005	**0.403**	**0.378**	--	--	--	--	
MW-10	06/20/00	439.22	12.47	--	426.75	--	**0.413**	--	**0.00195**	**0.000632**	**0.0475**	**0.0337**	--	--	--	--	
MW-10	09/14/00	439.22	11.51	--	427.71	--	**0.838 / 0.666**	--	<0.0033 / <0.00275	<0.0025 / <0.0025	**0.135 / 0.12**	**0.0923 / 0.0804**	--	--	--	--	
MW-10	12/14/00	439.22	13.23	--	425.99	--	**3.26 / 3.03**	--	<0.005 / <0.001	<0.0025 / <0.0025	**0.405 / 0.425**	**0.285 / 0.316**	--	--	--	--	
MW-10	03/21/01	439.22	--	--	--	--	**7.15**	--	<0.022	<0.0025	**0.821**	**1.13**	--	--	--	--	
MW-10	06/21/01	439.22	13.27	--	425.95	--	**6.04**	--	**0.0101**	**0.122**	**0.637**	**1.15**	--	--	--	--	
MW-10	09/18/01	439.22	12.53	--	426.69	--	**6.41**	--	**0.0131**	**0.063**	**0.7**	**1.07**	--	--	--	--	
MW-10	03/25/02	439.22	14.55	--	424.67	--	**4.14**	--	**0.00788**	**0.0499**	**0.524**	**0.681**	--	--	--	--	
MW-10	09/15/02	439.22	12.46	--	426.76	--	**1.75**	--	**0.00248**	**0.00216**	**0.16**	**0.172**	--	--	--	--	
MW-10	04/10/03	439.22	13.92	--	425.30	--	**10**	--	<0.02	**0.13**	**0.7**	**1.6**	--	--	--	--	
MW-10	09/05/03	439.22	10.97	--	428.25	--	**3.1**	--	<0.005	**0.014**	**0.19**	**0.37**	--	--	--	--	
MW-10	03/03/04	439.22	14.16	--	425.06	--	**4.1**	--	<0.01	**0.0089**	**0.3**	**0.52**	--	--	--	--	
MW-10	09/20/04	439.22	13.71	--	425.51	--	**13**	--	<0.02	**0.12**	**0.64**	**2**	--	--	--	--	
MW-10	04/04/05	439.22	14.45	--	424.77	--	**3.8**	--	<0.005	**0.011**	**0.19**	**0.45**	--	--	--	--	
MW-10	09/29/05	439.19	12.53	--	426.69	--	**6.5**	--	<0.005	**0.099**	**0.37**	**1.3**	--	--	--	--	
MW-10	03/24/06	439.19	14.45	--	424.74	--	**4.7**	--	<0.025	**0.0027**	**0.22**	**0.53**	--	--	--	--	
MW-10	04/02/08	439.19	14.66	--	424.53	--	--	--	--	--	--	--	--	--	--	--	
MW-10	04/05/08	--	--	--	--	**0.803**	**4.14**	<0.735	**0.00583**	<0.0005	**0.161**	**0.308**	--	--	--	--	
MW-10	07/21/09	--	--	--	--	**0.77**	**3.1**	--	**0.0052**	<0.0005	**0.17**	**0.42**	--	--	--	--	
MW-10	07/25/10	--	--	--	--	**0.33**	**2.9**	--	<0.020	<0.0005	**0.12**	**0.32**	--	--	--	--	
MW-10	06/14/11	439.19	13.30	--	425.89	--	--	--	--	--	--	--	--	--	--	--	
MW-10	06/16/11	--	--	--	--	**0.42**	**1.2**	--	**0.0034**	**0.001 J**	**0.069**	**0.16**	--	--	--	--	
MW-10	08/20/12	439.19	13.04	--	426.15	**0.56**	**2.1**	--	**0.0062**	**0.0013 J**	**0.12**	**0.24**	--	--	--	--	
MW-10	07/26/13	439.19	13.17	--	426.02	--	--	--	--	--	--	--	--	--	--	--	
MW-10	07/27/13	--	--	--	--	**1.0**	**1.2**	--	<0.00024	**0.00037 J**	**0.083**	**0.21**	--	--	--	--	
MW-10	01/29/14	439.19	14.08	--	425.11	**0.47**	**0.094 J**	--	<0.00024	<0.00023	**0.0065**	<0.00072	--	--	--	--	
MW-10	09/24/14	444.89	10.88	--	434.01	--	--	--	--	--	--	--	--	--	--	--	
MW-10	09/25/14	--	--	--	--	**0.33 J**	**0.074 J**	--	<0.00015	<0.00011	**0.00080 J**	<0.00040	--	--	--	--	
MW-10	09/14/15	444.89	11.42	--	433.47	--	--	--	--	--	--	--	--	--	--	--	
MW-10	09/15/15	--	--	--	--	**0.15 J**	**0.12**	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
MW-10	09/21/17	444.50	12.93	--	431.57	**0.44 J**	**1.3**	--	<0.0005	<0.0005	**0.025**	**0.038**	--	--	--	--	
MW-10	08/22/18	444.39	11.92	--	432.47	**0.54 / 0.59**	**0.35 / 0.39**	--	<0.0002	<0.0002	**0.009**	**0.019**	--	--	--	--	Cut 0.1 ft from top of casing.
MW-10	07/12/19	444.14	13.68	0.00	430.46	**1.0**	**0.61**	--	< 0.00053J	< 0.00039J	**0.016 J**	**0.0183 J**	--	--	--	--	
MW-10	07/24/20	444.14	10.95	0.00	433.19	**0.294 J**	**0.0939 J**	--	<0.00100	<0.00100	**0.000422 J**	**0.00157 J**	--	--	--	--	DTW from gauging event on 7/23/2020
MW-10	07/17/21	444.14	12.92	0.00	431.22	<0.800 B	**0.336**	--	<0.00100	<0.00100	**0.004**	**0.0089**	***<0.00500***	--	<0.00100 J	<0.00600	
MW-10	07/11/22	444.14	11.90	0.00	432.24	**0.533 J**	**0.136**	--	<0.00100	<0.00100	**0.00068 J**	**0.0021 J**	***<0.00500***	***<0.000250***	<0.00100	<0.00600	
MW-11	06/30/95	440.42	13.96	--	426.46	**14.9**	**34**	--	**0.01**	**0.102**	**8**	**28**	--	--	--	--	
MW-11	09/18/95	440.42	12.60	--	427.82	--	--	--	--	--	--	--	--	--	--	--	
MW-11	12/12/95	440.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-11	03/08/96	440.42	15.55	--	424.87	ND	**35**	--	**0.23**	**0.012**	**1.4**	**2.6**	--	--	--	--	
MW-11	05/30/96	440.42	14.55	--	425.87	**3.4**	**17.6**	--	**0.111**	**ND**	**0.883**	**2.07**	--	--	--	--	
MW-11	09/17/96	440.42	14.64	--	425.78	--	**37.9**	--	**0.224**	**0.0104**	**1.13**	**2.45**	--	--	--	--	
MW-11	12/11/96	440.42	15.42	--	425.00	--	**28.8**	--	**0.222**	**ND**	**0.892**	**1.88**	--	--	--	--	
MW-11	03/13/97	440.42	16.05	--	424.37	--	**29.5**	--	**0.165**	**ND**	**0.923**	**2.31**	--	--	--	--	
MW-11	06/18/97	440.42	15.16	--	425.26	--	--	--	--	--	--	--	--	--	--	--	
MW-11	09/19/97	440.42	14.72	--	425.70	--	**23.4**	--	<0.1	<0.1	**0.742**	**2.06**	--	--	--	--	
MW-11	12/10/97	440.42	15.60	--	424.82	--	**19.6**	--	**0.0342**	**0.0132**	**0.667**	**1.49**	--	--	--	--	
MW-11	03/30/98	440.42	16.34	--	424.08	--	**14.5**	--	**0.0234**	**ND**	**0.301**	**0.795**	--	--	--	--	
MW-11	06/09/98	440.42	15.74	--	424.68	--	**14.4**	--	<0.025	<0.01	**0.352**	**0.741**	--	--	--	--	
MW-11	09/15/98	440.42	14.12	--	426.30	--	**12.7**	--	<0.034	<0.01	**0.319**	**0.603**	--	--	--	--	
MW-11	12/28/98	440.42	15.75	--	424.67	--	**9.97**	--	<0.001	<0.001	**0.202**	**0.35715**	--	--	--	--	
MW-11	03/13/99	440.42	16.34	--	424.08	--	**9.11**	--	**0.0539**	**0.022**	**0.29**	**0.523**	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-11	06/22/99	440.42	15.37	--	425.05	--	**5.6 / 5.14**	--	<0.03 / <0.0255	<0.0071 / <0.0075	**0.173 / 0.197**	**0.342 / 0.303**	--	--	--	--	
MW-11	09/28/99	440.42	14.75	--	425.67	--	**3.15**	--	<0.01	<0.005	**0.082**	**0.143**	--	--	--	--	
MW-11	12/15/99	440.42	15.63	--	424.79	--	**8.09**	--	<0.02	<0.0075	**0.162**	**0.276**	--	--	--	--	
MW-11	03/21/00	440.42	16.09	--	424.33	--	**9.01**	--	<0.005	<0.0085	**0.128**	**0.252**	--	--	--	--	
MW-11	06/21/00	440.42	13.84	--	426.58	--	**8.7**	--	**0.0192**	<0.0025	**0.126**	**0.253**	--	--	--	--	
MW-11	09/14/00	440.42	13.08	--	427.34	--	**5.44**	--	<0.00297	<0.00298	**0.094**	**0.175**	--	--	--	--	
MW-11	12/14/00	440.42	14.63	--	425.79	--	**10.6**	--	<0.004	<0.01	**0.0911**	**0.184**	--	--	--	--	
MW-11	03/21/01	440.42	15.49	--	424.93	--	**12.2**	--	<0.002	**0.013**	**0.157**	**0.328**	--	--	--	--	
MW-11	06/20/01	440.42	--	--	--	--	**--**	--	--	--	--	--	--	--	--	--	
MW-11	09/18/01	440.42	--	--	--	--	**--**	--	--	--	--	--	--	--	--	--	
MW-11	03/25/02	440.42	15.85	--	424.57	--	**7.83**	--	**0.0182**	**0.00154**	**0.0921**	**0.176**	--	--	--	--	
MW-11	04/09/03	440.42	15.17	--	425.25	--	**8.5**	--	<0.02	<0.005	**0.052**	**0.1**	--	--	--	--	
MW-11	03/02/04	440.42	15.50	--	424.92	--	**4.9**	--	<0.05	<0.0025	**0.04**	**0.076**	--	--	--	--	
MW-11	04/04/05	440.42	15.82	--	424.60	--	**7.5**	--	**0.0077**	<0.0025	**0.046**	**0.085**	--	--	--	--	
MW-11	03/24/06	440.38	15.63	--	424.75	--	**4.6**	--	<0.025	<0.01	**0.02**	**0.04**	--	--	--	--	
MW-11	04/02/08	440.38	15.85	--	424.53	**0.438**	**3.55**	<0.714	**0.00737**	<0.0005	**0.00901**	**0.016**	--	--	--	--	
MW-11	07/21/09	--	--	--	--	**0.2**	**2.1**	--	**0.0056**	<0.0005	**0.0038**	**0.0074**	--	--	--	--	
MW-11	07/26/10	440.38	14.67	--	425.71	**0.16 J**	**3.1**	--	**0.0077**	**0.0005 J**	**0.0044**	**0.0084**	--	--	--	--	
MW-11	06/14/11	440.38	14.66	--	425.72	--	--	--	--	--	--	--	--	--	--	--	
MW-11	06/16/11	--	--	--	--	**0.17 J**	**1.8**	--	<0.010	**0.0019 J**	**0.0022**	**0.0041 J**	--	--	--	--	
MW-11	08/20/12	440.38	14.46	--	425.92	**0.11 J**	**1.8**	--	**0.0086**	**0.0027**	**0.0017 J**	**0.0026 J**	--	--	--	--	
MW-11	07/26/13	440.38	14.40	--	425.98	--	--	--	--	--	--	--	--	--	--	--	
MW-11	07/27/13	--	--	--	--	**0.27 J**	**1.2 J**	--	<0.00024	<0.00023	**0.0010**	**0.0019 J**	--	--	--	--	
MW-11	09/24/14	445.99	12.18	--	433.81	--	--	--	--	--	--	--	--	--	--	--	
MW-11	09/25/14	--	--	--	--	**0.17 J**	**0.42**	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	--	--	
MW-11	09/14/15	445.90	12.62	--	433.28	**0.16 J**	**2.0**	--	<0.0005	<0.0005	<0.0005	**0.001**	--	--	--	--	
MW-11	08/02/16	444.89	11.87	--	433.02	**0.11 J**	**1.7**	--	<0.0005	<0.0005	<0.0005	**0.0007 J**	--	--	--	--	
MW-11	09/21/17	445.79	14.20	--	431.59	**0.26 J / 0.089 J**	**0.66 / 0.56**	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	--	--	--	--	
MW-11	08/20/18	445.77	13.24	--	432.53	<0.23 J	**1.2 / 1.1**	--	<0.0002	<0.0002	<0.0002	<0.0005	--	--	--	--	Cut 0.1 ft from top of casing.
MW-11	07/12/19	445.43	15.03	0.00	430.40	**0.14**	**0.48**	--	< 0.00053	< 0.00039	< 0.00050	< 0.00075	--	--	--	--	
MW-11	07/24/20	445.43	12.20	0.00	433.23	<0.800	**0.121**	--	<0.00100	<0.00100	<0.00100	<0.00300	--	--	--	--	DTW from gauging event on 7/23/2020
MW-11	07/16/21	445.43	14.25	0.00	431.18	<0.800 B J	**0.425**	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	--	<0.00100 J	<0.00600	
MW-11	07/11/22	445.58	13.25	0.00	432.18	<0.8	**0.145**	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	<0.00600	
MW-12	06/30/95	439.59	13.29	--	426.30	--	**0.067**	--	ND	**0.002**	**0.002**	**0.008**	--	--	--	--	
MW-12	09/20/95	439.59	11.95	--	427.64	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	12/13/95	439.59	13.83	--	425.76	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	03/07/96	439.59	14.90	--	424.69	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	05/31/96	439.59	13.90	--	425.69	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	09/16/96	439.59	13.96	--	425.63	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	12/11/96	439.59	14.75	--	424.84	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	03/13/97	439.59	15.31	--	424.28	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-12	06/18/97	439.59	14.43	--	425.16	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	09/20/97	439.59	14.05	--	425.54	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	12/10/97	439.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	03/31/98	439.59	15.58	--	424.01	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	09/16/98	439.59	13.37	--	426.22	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	03/14/99	439.59	15.54	--	424.05	--	<0.5	--	<0.0005	<0.0005	<0.0005	**0.00059**	--	--	--	--	
MW-12	09/28/99	439.59	13.98	--	425.61	--	<0.5	--	<0.0005	<0.0005	<0.0005	**0.00121**	--	--	--	--	
MW-12	12/15/99	439.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	03/21/00	439.59	15.22	--	424.37	<0.0005	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	06/20/00	439.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	09/13/00	439.59	12.00	--	427.59	<0.0005	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	12/14/00	439.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	03/21/01	439.59	14.59	--	425.00	<0.0002	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-12	06/20/01	439.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	08/19/04								Well decommissioned on 8/19/2004							--	
MW-13	06/30/95	439.17	12.92	--	426.25	--	**6.7**	--	**1.7**	**0.79**	**0.46**	**6.9**	--	--	--	--	
MW-13	09/18/95	439.17	11.55	--	427.62	--	**3.2**	--	**0.8**	**0.003**	**0.32**	**0.22**	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-13	12/13/95	439.17	13.45	--	425.72	--	**7 / 7.1**	--	**1.4 / 1.4**	**0.00098** / ND	**0.39 / 0.37**	**0.26 / 0.28**	--	--	--	--	
MW-13	03/07/96	439.17	14.50	--	424.67	--	**3.7**	--	**1.2**	**0.0009**	**0.19**	**0.075**	--	--	--	--	
MW-13	05/31/96	439.17	13.56	--	425.61	--	**10.5**	--	**2.09**	**0.781**	**0.578**	**0.829**	--	--	--	--	
MW-13	09/16/96	439.17	13.62	--	425.55	--	**17 / 18.6**	--	**1.9 / 2.06**	**1.44 / 1.42**	**1.05 / 1.11**	**2.9 / 2.7**	--	--	--	--	
MW-13	12/11/96	439.17	14.40	--	424.77	--	**2.69 / 2.83**	--	**0.356 / 0.374**	ND / ND	**0.33 / 0.351**	**0.217 / 0.216**	--	--	--	--	
MW-13	03/13/97	439.17	14.96	--	424.21	--	**1.36 / 1.96**	--	**0.371 / 0.308**	ND / ND	**0.178 / 0.23**	ND / ND	--	--	--	--	
MW-13	06/18/97	439.17	14.10	--	425.07	--	**5.44**	--	**1.43**	**0.0177**	**0.578**	**0.231**	--	--	--	--	
MW-13	09/19/97	439.17	13.70	--	425.47	--	**4.83 / 4.8**	--	**0.751 / 0.691**	<0.005 / <0.0125	**0.801 / 0.717**	**0.524 / 0.463**	--	--	--	--	
MW-13	12/10/97	439.17	14.47	--	424.70	--	**2.05**	--	**0.231**	**0.0035**	**0.417**	**0.206**	--	--	--	--	
MW-13	03/30/98	439.17	15.24	--	423.93	--	**2.23**	--	**0.284**	**0.18**	**0.31**	**0.174**	--	--	--	--	
MW-13	06/08/98	439.17	14.66	--	424.51	--	**4.89 / 5.02**	--	**0.576 / 0.619**	**0.107 / 0.0919**	**0.697 / 0.653**	**0.597 / 0.624**	--	--	--	--	
MW-13	09/15/98	439.17	13.02	--	426.15	--	**1.73**	--	**0.0991**	**0.000636**	**0.281**	**0.118**	--	--	--	--	
MW-13	12/29/98	439.17	14.61	--	424.56	--	**0.134**	--	**0.00988**	<0.001	**0.0148**	**0.0259**	--	--	--	--	
MW-13	03/14/99	439.17	15.20	--	423.97	--	<0.5	--	**0.00785**	<0.0005	<0.0005	**0.00234**	--	--	--	--	
MW-13	06/22/99	439.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-13	09/28/99	439.17	13.64	--	425.53	--	**1.58**	--	**0.0855**	<0.0025	**0.306**	**0.224**	--	--	--	--	
MW-13	12/16/99	439.17	14.42	--	424.75	--	<0.05	--	**0.00739**	<0.0005	**0.00138**	**0.0041**	--	--	--	--	
MW-13	03/22/00	439.17	14.89	--	424.28	--	<0.5	--	**0.0049**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-13	06/20/00	439.17	12.63	--	426.54	--	**0.335**	--	**0.0542**	<0.0005	**0.0233**	**0.0178**	--	--	--	--	
MW-13	09/14/00	439.17	11.36	--	427.81	--	**0.186**	--	**0.0128**	<0.0005	**0.0148**	**0.0243**	--	--	--	--	
MW-13	12/13/00	439.17	13.40	--	425.77	--	**0.074**	--	**0.0116**	<0.0005	**0.00235**	**0.00702**	--	--	--	--	
MW-13	03/21/01	439.17	14.27	--	424.90	--	<0.5	--	**0.00491**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-13	06/20/01	439.17	13.44	--	425.73	--	**0.41**	--	**0.0406**	**0.00417**	**0.051**	**0.0531**	--	--	--	--	
MW-13	09/18/01	439.17	12.71	--	426.46	--	**0.212**	--	**0.0361**	<0.0005	**0.0257**	**0.0235**	--	--	--	--	
MW-13	03/25/02	439.17	14.84	--	424.33	--	<0.05	--	**0.0181**	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-13	09/15/02	439.17	11.64	--	427.53	--	**0.0799**	--	**0.02**	<0.0005	**0.00282**	**0.00135**	--	--	--	--	
MW-13	04/10/03	439.17	14.18	--	424.99	--	**0.026**	--	**0.009**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	09/05/03	439.17	11.18	--	427.99	--	**0.18**	--	**0.05**	<0.0005	<0.0005	**0.007**	--	--	--	--	
MW-13	03/03/04	439.17	14.40	--	424.77	--	<0.01	--	**0.0006**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	09/20/04	439.17	13.95	--	425.22	--	**0.39**	--	**0.12**	<0.0005	**0.001**	**0.0082**	--	--	--	--	
MW-13	04/04/05	439.17	14.71	--	424.46	--	**0.032**	--	**0.011**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	09/29/05	439.26	12.82	--	426.35	--	**0.052**	--	**0.013**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	03/23/06	439.26	14.73	--	424.53	--	**0.012**	--	**0.0023**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	04/02/08	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Ice in well prevented access
MW-13	07/25/10	439.26	13.74	--	425.52	**0.056 J**	<0.010	--	**0.0006 J**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	06/14/11	439.26	13.58	--	425.68	--	--	--	--	--	--	--	--	--	--	--	
MW-13	06/15/11	--	--	--	--	**0.075 J**	<0.010	--	**0.0030**	<0.0005	<0.0005	<0.0015	--	--	--	--	
MW-13	08/20/12	439.26	13.45	--	425.81	<0.052	**0.16**	--	**0.016**	<0.0005	**0.0006 J**	**0.038**	--	--	--	--	
MW-14	06/30/95	439.26	13.10	--	426.16	**0.0005**	**0.057**	--	**0.0007**	**0.004**	**0.002**	**0.008**	--	--	--	--	
MW-14	09/20/95	439.26	11.70	--	427.56	--	ND	--	**0.0006**	ND	ND	ND	--	--	--	--	
MW-14	12/13/95	439.26	13.65	--	425.61	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-14	03/07/96	439.26	14.70	--	424.56	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-14	05/31/96	439.26	13.71	--	425.55	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-14	09/16/96	439.26	13.81	--	425.45	--	ND	--	ND	**0.000626**	ND	**0.00256**	--	--	--	--	
MW-14	12/11/96	439.26	14.59	--	424.67	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-14	03/13/97	439.26	15.13	--	424.13	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-14	06/18/97	439.26	14.28	--	424.98	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	09/20/97	439.26	13.91	--	425.35	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	12/10/97	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	03/30/98	439.26	15.41	--	423.85	--	<0.5 / <0.5	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	--	--	
MW-14	06/08/98	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	09/17/98	439.26	13.20	--	426.06	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	12/29/98	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	03/14/99	439.26	15.37	--	423.89	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	06/22/99	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	09/28/99	439.26	13.81	--	425.45	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	12/15/99	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	03/21/00	439.26	15.04	--	424.22	<0.0005	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	06/20/00	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead mg/L	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-14	09/14/00	439.26	11.80	--	427.46	<0.0005	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-14	12/14/00	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	03/21/01	439.26	14.42	--	424.84	<0.0002 / <0.0002	<0.5 / <0.5	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	--	--	
MW-14	06/20/01	439.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-14	08/19/04								Well decommissioned on 8/19/2004							--	
MW-14R	09/15/15	445.90	11.89	--	434.01	**0.14 J**	**0.30**	--	**0.062**	<0.0005	**0.013**	**0.007**	--	--	--	--	
MW-14R	08/02/16	--	11.07	--	--	**0.38 / 0.088 J**	**0.67 / 0.66**	--	<0.0005 / **0.085**	<0.0005 / <0.0005	<0.0005 / 0.013	0.034 / <0.0005	0.00034 / <0.000030	--	--	--	
MW-14R	09/22/17	--	13.46	--	--	<0.052 / 0.056 J	**0.23 / 0.23**	--	**0.046 / 0.05**	<0.0005 / <0.0005	**0.003 / 0.004**	**0.001 / 0.002**	**0.00018 / 0.00016**	--	--	--	
MW-14R	08/22/18	--	12.47	--	--	<0.14 J	**0.31**	--	**0.12 / 0.12**	<0.0002 / <0.0002	**0.002 / 0.001**	**0.004 J / 0.003 J**	**0.0001 / 0.0001**	--	--	--	
MW-14R	07/12/19	444.55	14.25	0.00	430.30	**0.22**	**0.40**	--	**0.15**	< 0.00039	**0.018**	**0.0098**	--	--	--	--	
MW-14R	07/24/20	444.55	11.57	0.00	432.98	<0.800	**0.0526 J**	--	**0.0337**	<0.00100	**0.000221 J**	**0.00208 J**	***<0.00500***	--	--	--	DTW from gauging event on 7/23/2020
MW-14R	07/17/21	444.55	13.55	0.00	431.00	<0.800 B	<0.100 B	--	**0.00346**	<0.00100	<0.00100	<0.00300	***<0.00500***	--	<0.00100 J	<0.00600	
MW-14R	07/11/22	444.62	12.52	0.00	432.10	<0.84 J	<0.1 J	--	**0.000916 J**	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	<0.00600	
MW-14R	10/11/22	444.62	13.22	0.00	431.40	<0.800	<0.100	--	**0.00118**	<0.00100	<0.00100	<0.00300	***<0.00500 J***	<0.00000500	<0.00100	<0.00600	
MW-15	09/21/95	437.55	9.80	--	427.75	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	12/12/95	437.55	11.70	--	425.85	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	03/07/96	437.55	12.78	--	424.77	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	05/31/96	437.55	11.80	--	425.75	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	09/16/96	437.55	11.88	--	425.67	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	12/11/96	437.55	12.66	--	424.89	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	03/13/97	437.55	13.20	--	424.35	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-15	06/18/97	437.55	12.36	--	425.19	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	09/19/97	437.55	11.65	--	425.90	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	12/10/97	437.55	12.74	--	424.81	--	--	--	--	--	--	--	--	--	--	--	
MW-15	03/30/98	437.55	13.46	--	424.09	--	--	--	--	--	--	--	--	--	--	--	
MW-15	06/09/98	437.55	12.90	--	424.65	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	09/17/98	437.55	11.28	--	426.27	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	12/29/98	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	03/13/99	437.55	13.46	--	424.09	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	06/22/99	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	09/28/99	437.55	11.90	--	425.65	--	<0.5	--	<0.0005	<0.0005	**0.000511**	**0.00292**	--	--	--	--	
MW-15	12/15/99	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	03/21/00	437.55	13.13	--	424.42	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	06/20/00	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	09/14/00	437.55	9.91	--	427.64	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-15	12/14/00	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	03/21/01	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	06/20/01	437.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-15	08/19/04								Well decommissioned on 8/19/2004							--	
MW-16	09/21/95	437.96	10.33	--	427.63	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-16	12/12/95	437.96	12.25	--	425.71	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-16	05/30/96	437.96	12.30	--	425.66	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-16	09/16/96	437.96	12.44	--	425.52	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-16	12/12/96	437.96	13.17	--	424.79	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-16	03/13/97	437.96	13.72	--	424.24	--	ND	--	ND	ND	ND	ND	--	--	--	--	
MW-16	06/18/97	437.96	12.89	--	425.07	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	09/19/97	437.96	12.53	--	425.43	--	<0.5	--	<0.0005	<0.0005	<0.0005	**0.00188**	--	--	--	--	
MW-16	12/10/97	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	03/31/98	437.96	14.05	--	423.91	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	06/09/98	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	09/17/98	437.96	11.83	--	426.13	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	12/29/98	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	03/13/99	437.96	14.16	--	423.80	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	06/22/99	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	09/28/99	437.96	12.46	--	425.50	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	12/15/99	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	03/21/00	437.96	13.38	--	424.58	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	

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Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
MW-16	06/20/00	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	09/14/00	437.96	10.42	--	427.54	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	12/14/00	437.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-16	03/21/01	437.96	13.20	--	424.76	--	<0.5	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
MW-16	08/19/04								Well decommissioned on 8/19/2004							--	
SWMW-1	06/26/95	440.34	14.72	--	425.62	--	**0.225**	--	**0.114**	ND	ND	ND	--	--	--	--	
SWMW-1	09/19/95	440.34	12.79	--	427.55	--	**0.36**	--	**0.15**	ND	ND	ND	--	--	--	--	
SWMW-1	12/13/95	440.34	14.68	--	425.66	--	ND	--	ND	ND	ND	ND	--	--	--	--	
SWMW-1	03/07/96	440.34	15.71	--	424.63	--	ND	--	ND	ND	ND	ND	--	--	--	--	
SWMW-1	06/01/96	440.34	14.79	--	425.55	--	ND / ND	--	ND / ND	ND / ND	ND / ND	ND / ND	--	--	--	--	
SWMW-1	09/16/96	440.34	14.84	--	425.50	--	ND	--	ND	ND	ND	ND	--	--	--	--	
SWMW-1	12/12/96	440.34	15.59	--	424.75	--	ND	--	ND	ND	ND	ND	--	--	--	--	
SWMW-1	03/13/97	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	06/18/97	440.34	15.31	--	425.03	--	<0.5	--	**0.000534**	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	09/20/97	440.34	14.80	--	425.54	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	12/10/97	440.34	15.71	--	424.63	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	03/30/98	440.34	16.46	--	423.88	--	<0.5	--	<0.0005	**0.0038**	<0.0005	<0.001	--	--	--	--	
SWMW-1	06/09/98	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	09/16/98	440.34	14.24	--	426.10	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	12/29/98	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	03/14/99	440.34	16.44	--	423.90	--	<0.5	--	<0.0005	<0.0005	**0.00101**	**0.00346**	--	--	--	--	
SWMW-1	06/22/99	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	09/28/99	440.34	14.86	--	425.48	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	12/15/99	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	03/21/00	440.34	16.11	--	424.23	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	06/20/00	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	09/14/00	440.34	12.85	--	427.49	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	12/14/00	440.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SWMW-1	03/21/01	440.34	15.48	--	424.86	--	<0.5	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
SWMW-1	06/20/01								Well destroyed							--	
QA (EB)	07/24/20	--	--	--	--	<0.800	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	--	--	--	
QA (EB)	07/17/21	--	--	--	--	**0.343 J**	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	--	<0.00100 J	<0.00600	
QA (EB)	07/11/22	--	--	--	--	<0.800	<0.100	--	**0.000159 J**	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	<0.00600	
QA (TB)	09/16/96	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	
QA (TB)	12/11/96	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	
QA (TB)	03/13/97	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--	--	
QA (TB)	06/18/97	--	--	--	--	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	09/18/97	--	--	--	--	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	12/10/97	--	--	--	--	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	03/31/98	--	--	--	--	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	09/28/99	--	--	--	--	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	12/15/99	--	--	--	--	--	<0.5	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	03/25/02	--	--	--	--	--	<0.05	--	<0.0002	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	04/10/03	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	05/09/03	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	03/03/04	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	09/20/04	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	04/04/05	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	09/29/05	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	03/24/06	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	04/02/08	--	--	--	--	--	<0.05	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	--	--	
QA (TB)	07/20/09	--	--	--	--	--	<0.01	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	07/21/09	--	--	--	--	--	<0.01 / <0.01	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0015 / <0.0015	--	--	--	--	
QA (TB)	07/26/10	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	06/15/11	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	08/02/11	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	--	--	
QA (TB)	08/20/12	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0015	--	<0.0000097	<0.0005	--	

Table 1. Historical Groundwater Gauging and Analytical Results
Second Quarter 1994 through 2022
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Dates	TOC (ft)	DTW (ft bToc)	LNAPL Thickness (ft)	GWE ft msl	DRO mg/L	GRO mg/L	RRO mg/L	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Naphthalene mg/L	EDB mg/L	EDC mg/L	Lead	Comments
ADEC Groundwater Cleanup Levels						**1.5**	**2.2**	**1.1**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.0017**	**0.0000750**	**0.0017**	**0.015**	
QA (TB)	07/27/13	--	--	--	--	--	<0.050	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
QA (TB)	01/29/14	--	--	--	--	--	<0.050	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	--	--	
QA (TB)	09/25/14	--	--	--	--	--	<0.050	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	--	--	
QA (TB)	09/15/15	--	--	--	--	--	<0.010	----	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
QA (TB)	08/02/16	--	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
QA (TB)	09/22/17	--	--	--	--	--	<0.010	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	
QA (TB)	08/21/18	--	--	--	--	--	<0.014	--	<0.0002	<0.0002	<0.0002	<0.0005	--	--	--	--	
QA (TB)	07/12/19	--	--	--	--	--	< 0.10	--	< 0.00053	< 0.00039	< 0.00050	< 0.00075	--	--	--	--	
QA (TB)	07/24/20	--	--	--	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	--	--	--	
QA (TB)	07/17/21	--	--	--	--	--	**0.0335 J**	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	--	<0.00100	--	
QA (TB)	07/11/22	--	--	--	--	--	<0.100	--	<0.00100	<0.00100	<0.00100	<0.00300	***<0.00500***	<0.00000500	<0.00100	--	

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
<0.800 = Not detected at or above the laboratory reported detection limit (RDL)
Bold = Value exceeds 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 = Compound considered non-detect at the listed value due to associated blank contamination
NA = Not available
ND = Not detected
ADEC = Alaska Department of Environmental Conservation

GRO = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to United States Environmental Protection Agency (USEPA) Method AK101
DRO = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to USEPA Method AK 102
RRO = Total petroleum hydrocarbons, residual range organics by LUFT GC/MS according to USEPA Method AK 103
Samples analyzed by USEPA Method 8260D:
Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX)
Naphthalene
Samples analyzed by USEPA Method 8260C: (2021 by 8260D)
EDB = 1,2-dibromoethane (ethylene dibromide)
EDC = 1,2-dichloroethane
Sulfolane
Lead analysed by USEPA Method 6010D
-- = Not Available or Not Analyzed
LNAPL = Light Non-Aqueous Phase Liquid
NADV88 = North American Vertical Datum of 1988
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas Chromatography/Mass Spectrometry
x [y] *or* x / y = Duplicate Result

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, 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
ADEC Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**
MW-2	**07/17/21**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-2	**07/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-2	**10/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-5	**07/17/21**	<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 J [<0.00500 J]
MW-5	**07/11/22**	<0.0500 [<0.250]	<0.0500 [<0.250]	<0.0100 [<0.0500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00500 ***[<0.0250]***
MW-5	**10/11/22**	<0.500	<0.500	<0.100	<0.0100	<0.0100	***<0.0100***	<0.0100	***<0.0500***
MW-6	**07/17/21**	<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 J [<0.00500 J]
MW-6	**07/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-6	**10/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-9	**07/17/21**	--	--	--	--	--	--	--	--
MW-9	**07/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-9	**10/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-10	**07/17/21**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-10	**07/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-11	**07/17/21**	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-11	**07/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-14R	**07/17/21**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-14R	**07/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-14R	**10/11/22**	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	n-Butylbenzene mg/L	sec-Butylbenzene mg/L	tert-Butylbenzene mg/L	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L	Chlorodibromo-methane (Dibromochloro-methane) mg/L	Chloroethane mg/L
ADEC Groundwater Cleanup Levels		**1**	**2**	**0.69**	**0.81**	**0.0046**	**0.078**	**0.0087**	**12**
MW-2	**07/17/21**	<0.00100 J	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00500
MW-2	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-2	**10/11/22**	<0.00100	**0.000185 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-5	**07/17/21**	**0.0201 J [0.0235 J]**	**0.0159 [0.0185]**	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]
MW-5	**07/11/22**	**0.0325 [0.0277]**	**0.0221 [0.0208]**	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00500 [<0.02500]
MW-5	**10/11/22**	<0.0100	**0.00386 J**	<0.0100	<0.0100	***<0.0100***	<0.0100	***<0.0100***	<0.0500
MW-6	**07/17/21**	**0.000342 J [<0.00100 J]**	**0.000268 J [0.000180 J]**	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]
MW-6	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-6	**10/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-9	**07/17/21**	--	--	--	--	--	--	--	--
MW-9	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-9	**10/11/22**	<0.00100	<0.00100	<0.00100	**0.000353 J**	<0.00100	<0.00100	<0.00100	<0.00500
MW-10	**07/17/21**	**0.000602 J**	**0.00129**	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00500
MW-10	**07/11/22**	<0.00100	**0.000611 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-11	**07/17/21**	**0.000812 J**	**0.000723 J**	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00500
MW-11	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-14R	**07/17/21**	**0.00126 J**	**0.000606 J**	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00500
MW-14R	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500
MW-14R	**10/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	Chloroform	Chloromethane	2-Chlorotoluene (o-Chlorotoluene)	4-Chlorotoluene (p-Chlorotoluene)	1,2-Dibromo-3-chloropropane	Dibromomethane (Methylene bromide)	1,2-Dichlorobenzene	1,3-Dichlorobenzene
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ADEC Groundwater Cleanup Levels		**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.3**	**0.3**
MW-2	**07/17/21**	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100
MW-2	**07/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-2	**10/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-5	**07/17/21**	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	**07/11/22**	***<0.00500 [<0.02500]***	<0.00250 [<0.0125]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.0050 [<0.0250]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]
MW-5	**10/11/22**	***<0.0500***	<0.0250	<0.0100	<0.0100	<0.0100	***<0.0100***	<0.0100	***<0.0100***
MW-6	**07/17/21**	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-6	**07/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-6	**10/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-9	**07/17/21**	--	--	--	--	--	--	--	--
MW-9	**07/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-9	**10/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-10	**07/17/21**	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100
MW-10	**07/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-11	**07/17/21**	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100
MW-11	**07/11/22**	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-14R	**07/17/21**	**0.000972 J**	<0.00250	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100
MW-14R	**07/11/22**	**0.000768 J**	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100
MW-14R	**10/11/22**	**0.000749 J**	**0.00587**	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, 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 mg/L	trans-1,2-Dichloroethene mg/L	1,2-Dichloropropane mg/L
ADEC Groundwater Cleanup Levels		**0.0048**	**0.2**	**0.028**	**0.28**	**0.036**	**0.36**	**0.0082**
MW-2	**07/17/21**	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100
MW-2	**07/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	**10/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	**07/17/21**	<0.00100 [<0.00100]	<0.00500 J [<0.00500 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	**07/11/22**	<0.00100 [<0.00500]	<0.00500 [<0.0250]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]
MW-5	**10/11/22**	***<0.0100***	<0.0500	<0.0100	<0.0100	<0.0100	<0.0100	***<0.0100***
MW-6	**07/17/21**	<0.00100 [<0.00100]	<0.00500 J [<0.00500 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	**0.000166 J** [<0.00100]	<0.00100 [<0.00100]
MW-6	**07/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	**10/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	**07/17/21**	--	--	--	--	--	--	--
MW-9	**07/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	**10/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	**07/17/21**	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100
MW-10	**07/11/22**	<0.00100	**0.00198 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	**07/17/21**	<0.00100	<0.00500 J	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100
MW-11	**07/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-14R	**07/17/21**	<0.00100	<0.00500 J	<0.00100	<0.00100	**0.000195 J**	**0.0294**	<0.00100
MW-14R	**07/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	**0.0182**	<0.00100
MW-14R	**10/11/22**	<0.00100	<0.00500	<0.00100	<0.00100	**0.00185**	**0.0366**	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	1,1-Dichloropropene mg/L	1,3-Dichloropropane mg/L	cis-1,3-Dichloropropene mg/L	trans-1,3-Dichloropropene mg/L	2,2-Dichloropropane mg/L	Di-isopropyl ether mg/L	Hexachloro-1,3-butadiene (Hexachlorobutadiene) mg/L	Isopropylbenzene (Cumeme) mg/L
ADEC Groundwater Cleanup Levels		**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**	**0.45**
MW-2	**07/17/21**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100 J	**0.000128 J**
MW-2	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	**10/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	**07/17/21**	<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 J [<0.00100 J]	**0.0101 [0.011]**
MW-5	**07/11/22**	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	<0.00100 [<0.00500]	**0.0106 [0.0087]**
MW-5	**10/11/22**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	***<0.0100***	**0.00156 J**
MW-6	**07/17/21**	<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 J [<0.00100 J]	**0.00113 [0.00103]**
MW-6	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00102**
MW-6	**10/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000901 J**
MW-9	**07/17/21**	--	--	--	--	--	--	--	--
MW-9	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	**10/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000927 J**
MW-10	**07/17/21**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100 J	**0.006**
MW-10	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00267**
MW-11	**07/17/21**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100 J	**0.000893 J**
MW-11	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00036 J**
MW-14R	**07/17/21**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100 J	<0.00100
MW-14R	**07/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-14R	**10/11/22**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	p-Isopropyltoluene	2-Butanone (Methyl ethyl ketone)	Methylene chloride	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl t-butyl ether	n-Propylbenzene (Propylbenzene)	Styrene	1,1,1,2-Tetrachloroethane
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
ADEC Groundwater Cleanup Levels		**--**	**5.6**	**0.11**	**6.3**	**0.14**	**0.66**	**1.2**	**0.0057**
MW-2	**07/17/21**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	**0.000230 J**	<0.00100	<0.00100
MW-2	**07/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	**10/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	**07/17/21**	**0.00922 [0.0121]**	<0.0100 [<0.0100]	<0.00500 [<0.00500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	**0.0758 J [0.0871 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-5	**07/11/22**	<0.00100 [<0.00500]	<0.0100 [<0.0500]	<0.00500 [<0.0250]	<0.0100 [<0.0500]	<0.00100 [<0.00500]	**0.0908 [0.0852]**	<0.00100 [<0.00500]	<0.00100 [<0.00500]
MW-5	**10/11/22**	**0.00494 J**	<0.100	<0.0500	<0.100	<0.0100	**0.00715 J**	<0.0100	<0.0100
MW-6	**07/17/21**	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.00500 [<0.00500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	**0.000903 J [0.000780 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-6	**07/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	**10/11/22**	**0.000167 J**	<0.0100	<0.00500	<0.0100	<0.00100	**0.000694 J**	<0.00100	<0.00100
MW-9	**07/17/21**	--	--	--	--	--	--	--	--
MW-9	**07/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	**0.000265 J**	<0.00100	<0.00100
MW-9	**10/11/22**	**0.000270 J**	<0.0100	<0.00500	<0.0100	<0.00100	**0.00167**	<0.00100	<0.00100
MW-10	**07/17/21**	**0.000483 J**	<0.0100	<0.00500	<0.0100	<0.00100	**0.0121 J**	<0.00100	<0.00100
MW-10	**07/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	**0.00419**	<0.00100	<0.00100
MW-11	**07/17/21**	**0.000229 J**	<0.0100	<0.00500	<0.0100	<0.00100	**0.00438 J**	<0.00100	<0.00100
MW-11	**07/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	**0.00163**	<0.00100	<0.00100
MW-14R	**07/17/21**	**0.000398 J**	<0.0100	<0.00500	<0.0100	<0.00100	**0.00111 J**	<0.00100	<0.00100
MW-14R	**07/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100
MW-14R	**10/11/22**	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	1,1,2,2-Tetrachloroethane mg/L	Tetrachloroethene (Tetrachloroethylene) mg/L	1,1,2-Trichlorotrifluoroethane (1,1,2-Trichloro-1,2,2-trifluroethane) (Freon 113) mg/L	1,2,3-Trichlorobenzene mg/L	1,2,4-Trichlorobenzene mg/L	1,1,1-Trichloroethane mg/L	1,1,2-Trichloroethane mg/L
ADEC Groundwater Cleanup Levels		**0.00076**	**0.041**	**10**	**0.007**	**0.004**	**8**	**0.00041**
MW-2	**07/17/21**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-2	**07/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-2	**10/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-5	**07/17/21**	***<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	**07/11/22**	***<0.00100 [<0.00500]***	<0.00100 **[0.00193 J]**	<0.00100 [<0.00500]	<0.00100 J [<0.00500 J]	<0.00100 J [<0.00500 J]	<0.00100 [<0.00500]	***<0.00100 [<0.00500]***
MW-5	**10/11/22**	***<0.0100***	<0.0100	<0.0100	***<0.0100***	***<0.0100***	<0.0100	**0.00212 J**
MW-6	**07/17/21**	***<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-6	**07/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-6	**10/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-9	**07/17/21**	--	--	--	--	--	--	--
MW-9	**07/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-9	**10/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-10	**07/17/21**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-10	**07/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-11	**07/17/21**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-11	**07/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-14R	**07/17/21**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-14R	**07/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-14R	**10/11/22**	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

Well ID	Sample Date	Trichloroethene (Trichloroethylene) mg/L	Trichlorofluoromethane (Freon 11) mg/L	1,2,3-Trichloropropane mg/L	1,2,3-Trimethylbenzene mg/L	1,2,4-Trimethylbenzene mg/L	1,3,5-Trimethylbenzene mg/L	Vinyl Chloride mg/L
ADEC Groundwater Cleanup Levels		**0.0028**	**5.2**	**0.0000075**	**--**	**0.056**	**0.06**	**0.00019**
MW-2	**07/17/21**	<0.00100	**0.000835 J**	<0.00000500	<0.00100	**0.000703 J**	<0.00100	***<0.00100***
MW-2	**07/11/22**	<0.00100	**0.00127 J**	<0.00000500	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-2	**10/11/22**	<0.00100	**0.00282 J**	<0.00000500	<0.00100	<0.00100	**0.000243 J**	***<0.00100***
MW-5	**07/17/21**	<0.00100 [<0.00100]	**0.000533 J [0.000540 J]**	<0.0000500 [<0.0000500]	**0.00433 [0.00409]**	**0.333 [0.418]**	**0.203 [0.255]**	***<0.00100 [<0.00100]***
MW-5	**07/11/22**	<0.00100 [<0.00500]	**0.000263 J [<0.0250]**	***<0.00025 [<0.00025]***	<0.00100 [<0.00500]	**0.186 [0.233]**	**0.159 [0.154]**	***<0.00100 [<0.00500]***
MW-5	**10/11/22**	***<0.0100***	**0.00282 J**	***<0.000250***	**0.00305 J**	**0.108**	**0.0786**	***<0.0100***
MW-6	**07/17/21**	<0.00100 [<0.00100]	**0.000239 J [0.000265 J]**	**0.00000200 J [0.00000300 J]**	<0.00100 [<0.00100]	**0.0024 [0.00244]**	<0.00100 **[0.000122 J]**	***<0.00100 [<0.00100]***
MW-6	**07/11/22**	<0.00100	**0.0004 J**	**0.000002 J**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-6	**10/11/22**	<0.00100	**0.00200 J**	**<0.000250**	**0.000977 J**	**0.00288**	<0.00100	***<0.00100***
MW-9	**07/17/21**	--	--	--	--	--	--	--
MW-9	**07/11/22**	<0.00100	**0.000389 J**	<0.00000500	<0.00100	**0.000569 J**	**0.000212 J**	***<0.00100***
MW-9	**10/11/22**	<0.00100	<0.00500	***<0.000250***	**0.00155**	**0.0109**	**0.00572**	***<0.00100***
MW-10	**07/17/21**	<0.00100	**0.00645**	**0.00000200 J**	**0.00195**	**0.052**	**0.00335**	***<0.00100***
MW-10	**07/11/22**	<0.00100	**0.0286**	***<0.00025***	**0.000991 J**	**0.0162**	**0.000726 J**	***<0.00100***
MW-11	**07/17/21**	<0.00100	<0.00500	**0.0000200 J**	<0.00100	**0.00425**	**0.00298**	***<0.00100***
MW-11	**07/11/22**	<0.00100	**0.000633 J**	<0.00000500	<0.00100	**0.00188**	**0.0015**	***<0.00100***
MW-14R	**07/17/21**	<0.00100	**0.00672**	<0.00000500	**0.000142 J**	<0.00100	**0.000111 J**	***<0.00100***
MW-14R	**07/11/22**	<0.00100	**0.00665**	<0.00000500	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-14R	**10/11/22**	<0.00100	**0.00673**	<0.00000500	<0.00100	<0.00100	<0.00100	***<0.00100***

Table 2. Historical Groundwater Analytical Results - Additional VOCs
Former Texaco 211079
1501 South Cushman Street
Fairbanks, Alaska

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.
[ ] = Blind Duplicate Sample Result
QA (EQB) = Quality Assurance (Equipment Blank)
QA (TB) = Quality Assurance (Trip Blank)
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D

Table 3. Historical Groundwater PAHs Analytical Results
Former Texaco 211079
1501 South Cushman Street
Fairbanks, 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	Fluoranthene mg/L	Fluorene mg/L	Indeno(1,2,3-cd)pyrene mg/L	Naphthalene mg/L	Phenanthrene mg/L	Pyrene mg/L
C Groundwater Cleanup Levels		**0.53**	**0.26**	**0.043**	**0.00030**	**0.00025**	**0.0025**	**0.00026**	**0.00080**	**0.002**	**0.00025**	**0.26**	**0.29**	**0.00019**	**0.0017**	**0.17**	**0.12**
MW-2	08/02/16	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.00072**	--	--
MW-2	09/21/17	**0.000027 J**	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	<0.0000096	**0.000034 J**	<0.0000096	**0.0053**	<0.000029	<0.0000096
MW-2	08/20/18	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.00003 [<0.00003]	--	--
MW-5	08/02/16	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.000029	--	--
MW-5	09/22/17	<0.0000098	<0.0000098	<0.0000098	<0.0000098	**0.000012 J**	**0.000023 J**	**0.000017 J**	<0.0000098	**0.000019 J**	<0.0000098	**0.000022 J**	<0.0000098	**0.000010 J**	<0.000029	<0.000029	**0.000021 J**
MW-5	08/20/18	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.004**	--	--
MW-9	08/20/18	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.003**	--	--
MW-14R	08/02/16	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00034 [<0.000030]	--	--
MW-14R	09/22/17	<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]	<0.0000096 [<0.0000096]	<0.0000096 [<0.0000096]	<0.0000096 [<0.0000096]	<0.0000096 [<0.0000096]	<0.0000096 [<0.0000096]	<0.0000096 [<0.0000096]	**0.00018 [0.00016]**	<0.000029 [<0.000029]	<0.0000096 [<0.0000096]
MW-14R	08/22/18	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.0001 [0.0001]**	--	--

Notes:
ID = Identification
MW = Groundwater monitoring well
mg/L = Milligrams per liter
<0.00053 = Not detected at or above the method detection limit (MDL)
PAHs = Poly Aromatic Hydrocarbons by Method SW8270
ADEC = Alaska Department of Environmental Conservation
Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level
Bold = Value exceeds MDL
[ ] = Duplicate Result
J = The associated numerical value is an estimated concentration only

Attachment D

ADEC Data Review Checklist

Laboratory Data Review Checklist

Completed By:

Dilip Kumar H S

Title:

Project Chemist

Date:

October 20, 2023

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1659634

Laboratory Report Date:

09/26/2023

CS Site Name:

Semi Annual 2023 Groundwater Monitoring Report

ADEC File Number:

2100.26.015

Hazard Identification Number:

24169

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

1. Laboratory

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☐ No☐ N/A☒ Comments:

Not applicable.

2. Chain of Custody (CoC)

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. Were the correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

Yes.

3. Laboratory Sample Receipt Documentation

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

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

   Yes☒ No☐ N/A☐ Comments:

Yes. no discrepancies.

e. Is the data quality or usability affected?

Comments:

Data quality or usability was not affected.

4. Case Narrative

a. Is the case narrative present and understandable?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

c. Were all corrective actions documented?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

Data quality or usability was not affected.

5. Samples Results

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

Yes☒ No☐ N/A☐ Comments:

Yes.

b. Are all applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☒ N/A☐ Comments:

No soil samples were submitted for analysis.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

e. Is the data quality or usability affected?

Data quality or usability was not affected.

6. QC Samples

a. Method Blank

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☒ N/A☐ Comments:

No.

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

Yes☒ No☐ N/A☐ Comments:

Sample Locations	Method	Compounds	Sample Result	Qualification
MW-10_230922 DUP-1_230922	AK 101	TPHGAK C6 to C10	Detected sample results >RL and <BAL	"UB" at the detected sample concentration
MW-2_230922 MW-6_230922 MW-14R_230922			Detected sample results <RL and <BAL	"UB" at the RL
MW-5_230922	AK 102	AK102 DRO C10-C25	Detected sample results >RL and <BAL	"UB" at the detected sample concentration
MW-2_230922 MW-9_230922 MW-10_230922			Detected sample results <RL and <BAL	"UB" at the RL

Note:
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:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

None of the samples were affected.

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

Comments:

Data quality or usability was not affected.

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 not performed on this method.

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-9-W-230922.

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:

Yes.

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

Comments:

None of the samples were affected.

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

Yes☒ No☐ N/A☐ Comments:

None of the samples were affected.

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

Comments:

Data quality or usability was not affected.

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:

None of the samples were affected.

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_230922

ii. Are all results less than LOQ or RL?

Yes☐ No☒ N/A☐ Comments:

No.

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

Yes☐ No☒ N/A☐ Comments:

Sample Locations	Method	Compounds	Sample Result	Qualification
MW-10_230922 DUP-1_230922	AK 101	TPHGAK C6 to C10	Detected sample results >RL and <BAL	"UB" at the detected sample concentration
MW-2_230922 MW-6_230922 MW-14R_230922			Detected sample results <RL and <BAL	"UB" at the RL

Note:
RL Reporting limit
BAL Blank action limit

iv. Is data quality or usability affected?

Comments:

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

f. Field Duplicate

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

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Was the duplicate submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

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

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☒ No☐ N/A☐ Comments:

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Method	Compounds / Analytes	Sample Result	Duplicate Result	RPD
MW-10_230922/DUP-1_230922	AK 101	TPHGAK C6 to C10	166	125	AC
	8260 D	1,2,4-Trimethylbenzene	1.9	1.0 U	AC
		1,3,5-Trimethylbenzene	0.445 J	0.659 J	AC
	AK 102	AK102 DRO C10-C25	210 J	800 U	AC

Notes:
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 not collected within this SDG.

ii. Are all results less than LOQ or RL?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

None of the samples were affected.

iv. Are data quality or usability affected?

Comments:

Data quality or usability was not affected.

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

a. Are they defined and appropriate?

Yes☐ No☒ N/A☐ Comments:
All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compounds	Recovery
TRIP BLANK_230922	CCV %D	Naphthalene	Low

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

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

Sample ID	Compounds
MW-2_230922 MW-5_230922 MW-6_230922 MW-9_230922 MW-10_230922 MW-11_230922 MW-14R_230922 DUP-1_230922	1,2,3-Trichloropropane
	1,2-Dibromoethane