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

Arcadis U.S., Inc.
2100 Georgetown Drive
Suite 402
Sewickley
Pennsylvania 15143
Phone: 724 742 9180
Fax: 724 742 9189
www.arcadis.com

Date: June 6, 2023
Our Ref: 30063667
Subject: **First Half 2023 Semi-Annual Status Report**
Former Chevron #7324
4417 Lake Otis Parkway, Anchorage, Alaska
ADEC File No.: 2100.26.008
ADEC Hazard ID: 23885

Dear Ms. Reams,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis), has prepared this report to document the first half 2023 groundwater monitoring activities of for the Chevron-Branded Service Station 97324, located at 4417 Lake Otis Parkway, Anchorage, Alaska (site). This work was conducted under the direction of a “Qualified Environmental Professional” (QEP) and “Qualified Sampler” (18 Alaska Administrative Code [AAC] 75.333).

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

Sincerely,
Arcadis U.S., Inc.

Gerald A. Robinson
Project Manager

Email: Gerald.Robinson@arcadis.com
Direct Line: 724.934.9507

CC. James Kiernan, CEMC *(electronic copy)*
Mark Engelke, Cook Inlet Marketing Group, Inc. *(electronic copy)*

Ms. Rebekah Reams
Alaska Department of Environmental Conservation
June 6, 2023

SEMI-ANNUAL STATUS REPORT

First Half 2023

June 6, 2023

Work Conducted This Period [First Half 2023]:

1. Conducted first half 2023 semi-annual groundwater monitoring activities on April 7, 2023.
2. Prepared the *First Half 2023Semi-Annual Status Report*.

Work Proposed Next Period [Second Half 2023]:

1. Conduct the second half 2023 semi-annual groundwater monitoring activities.
2. Prepare the *Second Half 2023Semi-Annual Status Report.*

Site Description

Former Chevron-Branded Service Station 97324 (Former Chevron #7324) is located at 4417 Lake Otis Parkway in Anchorage, Alaska. The site is in south central Alaska, south of the Knik Arm and north of the Turnagain Arm of Cook Inlet. The site geology, as described during the site investigation activities, indicates the site is underlain with very fine to very coarse subangular to round sand, with cobbles and traces of silt to a depth of approximately 15 feet below ground surface (bgs). From 1992 until present, static groundwater depths at the site have ranged between 8.58 to 24.93 feet below top of casing (btoc). Historic groundwater flow is varied, but the primary flow direction is to the north-northwest.

The property is currently vacant land that is pending redevelopment (Arcadis 2022). A former Chevron-branded station previously operated at the property and included one approximately 2,500-square feet station building located along the eastern side of the property. The facility included two 10,000-gallon and one 5,000-gallon gasoline underground storage tanks (USTs) located south of the station building, one waste oil UST of unknown size located north of the station building, two pump islands with three dispensers located west of the station building, and a service bay located north of the station building (SECOR International Incorporated [SECOR], 2000). A soil and groundwater remediation system which included seven air sparge wells and four soil vapor extraction wells operated seasonally until it was shut down in 2017. The site currently has a network of six monitoring wells, four of which are monitored and sampled semi-annually (**Table 1**). The surrounding properties are mixed commercial and industrial; the site is bordered to the north, southeast, and south by former or current ADEC regulated sites due to petroleum and chlorinated solvent impacts. A site location map and site plan are shown as **Figure 1** and **Figure 2**, respectively.

Site Activities this Reporting Period

Current phase of project:	Monitoring
Frequency of monitoring and sampling:	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)	13.72 (MW-9) to 24.79 (MW-2R)
Approximate groundwater elevation: (feet relative to NAVD88)	143.43 (MW-8RR) to 145.52 (MW-9)
Groundwater flow direction:	North-northwest
Groundwater gradient (feet per foot):	0.027
Current remediation techniques:	None
Summary of unusual activity:	None
Agency directive requirements:	None

Groundwater Gauging and Sampling Methods

On April 7, 2023, the first 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 bladder pump in accordance with the Alaska Department of Environmental Conservation (ADEC) Field Sampling Guidance (ADEC 2022) and Arcadis *Standard Groundwater Sampling and Monitoring Wells* (Arcadis 2022). Non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water. Water table drawdown was continuously monitored during purging with an oil/water interface probe and the flow rate of the pump was adjusted to limit drawdown to 0.1 meter. Water quality parameters were monitored during purging with a multi-parameter water quality meter equipped with a flow through cell and turbidity meter. Parameters were recorded every 3 to 5 minutes until a minimum of three (minimum of four if using temperature as an indicator) of the parameters listed below stabilized. Water quality parameters were considered stable when three successive readings were within the following ADEC limits:

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

Following well stabilization, the flow rate was reduced to between 100 to 150 milliliters per minute and samples were collected into laboratory sample bottles. Groundwater samples were collected from the top foot of the water column in the monitoring wells per the sampling schedule (**Table 1**). The groundwater potentiometric surface elevation is illustrated on **Figure 3**.

In a letter dated March 22, 2023, ADEC approved a reduction of analytes for the site. Groundwater samples collected were analyzed by Pace Analytical National Center for Testing & Innovation (Pace) of Mt. Juliet, Tennessee for the following constituents:

- Select volatile organic compounds (VOCs) summarized below were analyzed by United States Environmental Protection Agency (USEPA) Method 8260D.
    - Benzene, toluene, ethylbenzene, total xylenes, 1,2-dichloroethene, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, 1,2,4-trimethylbenzene 1,3,5-trimethylbenzene and vinyl chloride.
- Total petroleum hydrocarbons as gasoline range organics (GRO) by Alaska Method AK 101 and diesel range organics (DRO) by Alaska Method AK102.
- Lead by USEPA Method 6010D.
- Ethylene Dibromide (1,2-dibromoethane) is analyzed by USEPA Method 8011.
- Naphthalene, and 1-methylnaphthlene are analyzed by USEPA Method 8270E-SIM.

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

Groundwater Sampling Results

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

- DRO was detected above the ADEC GCL of 1,500 micrograms per liter (µg/L) in MW-2R at a concentration of 6,180 J µg/L.
- Benzene was detected above the ADEC GCL of 4.6 µg/L in the blind duplicate sample collected from monitoring well MW-2R at concentration of 5.07 µg/L. The primary groundwater sample, collected from MW-2R had a benzene concentration of 4.28 µg/L.
- Ethylbenzene was detected above the ADEC GCL of 15 µg/L in MW-2R at concentration of 36.0 µg/L and 50.6 µg/L in the associated blind duplicate.
- 1,2-Dichloroethane (EDC) was detected above the ADEC GCL of 1.7 µg/L in MW-1R at concentration of 2.28 µg/L and in MW-2R at concentration of 4.32 µg/L and 4.86 µg/L in the associated blind duplicate.
- Trichloroethene (Trichloroethylene) was detected above the ADEC GCL of 2.8 µg/L in MW-9 at concentration of 3.38 µg/L.

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

Laboratory Data Review

As required by the ADEC Guidelines for Data Reporting (ADEC 2022), 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:
  - The matrix spike and matrix spike duplicate recovery (MS/MSD) exceedance were observed for compound DRO in sample location MW-2R for Alaska Method AK102. Analytical results in the associated sample location were qualified as estimated.
- Precision:
  - The relative percent difference (RPD) for field duplicate (FD) exceeded for compounds Ethylbenzene for USEPA Method 8260D and for compound DRO for Alaska Method AK102. Analytical results in the associated sample locations MW-2R and blind duplicate (BD-1) were qualified as estimated.
- Comparability:
  - Compound DRO was detected at a concentration less than the laboratory reporting limit in the equipment blank and method blank for Alaska Method AK102. Based on blank evaluation, the results for DRO in sample location BD-1 were qualified as non-detect.
- Sensitivity:
  - The concentration of DRO, benzene and ethylbenzene exceeded the ADEC GCLs in sample location MW-2R.
  - The concentration of EDC exceeded the ADEC GCLs in sample locations MW-1R and MW-2R.
  - The concentration of trichloroethene exceeded the ADEC GCLs in sample location MW-9.

Investigation Derived Waste

Purge water and decontamination water generated during groundwater sampling was temporarily collected into 5-gallon buckets and treated onsite via a Granular Activated Carbon (GAC) bucket. The treatment of purge water and decontamination water was completed per the Arcadis *Summary of Procedures for Investigation Derived Waste Treatment Utilizing Granular Activated Carbon* (Arcadis 2022). Approximately 6 gallons of groundwater were treated during this event.

Conclusion and Recommendations

The observed groundwater flow direction and hydraulic gradient during this event are generally consistent with historical data. Analytical results from the groundwater samples collected from monitoring wells MW-1R, MW-2R, MW-8RR and MW-9 are generally consistent with historical data.

Arcadis recommends groundwater sampling continues in accordance with the current semi-annual schedule. The second semi-annual sampling event will be conducted in fall of 2023.

References

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

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

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

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

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

SECOR. 2000. Waste Oil Tank Removal, Chevron Site No. 97324, 4417 Lake Otis Pkwy, Anchorage, Alaska. September 15.

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

Sincerely,
Arcadis U.S., Inc.

Kimberly Kroenke
Project Task Manager 1

Gerald A. Robinson
Project Manager

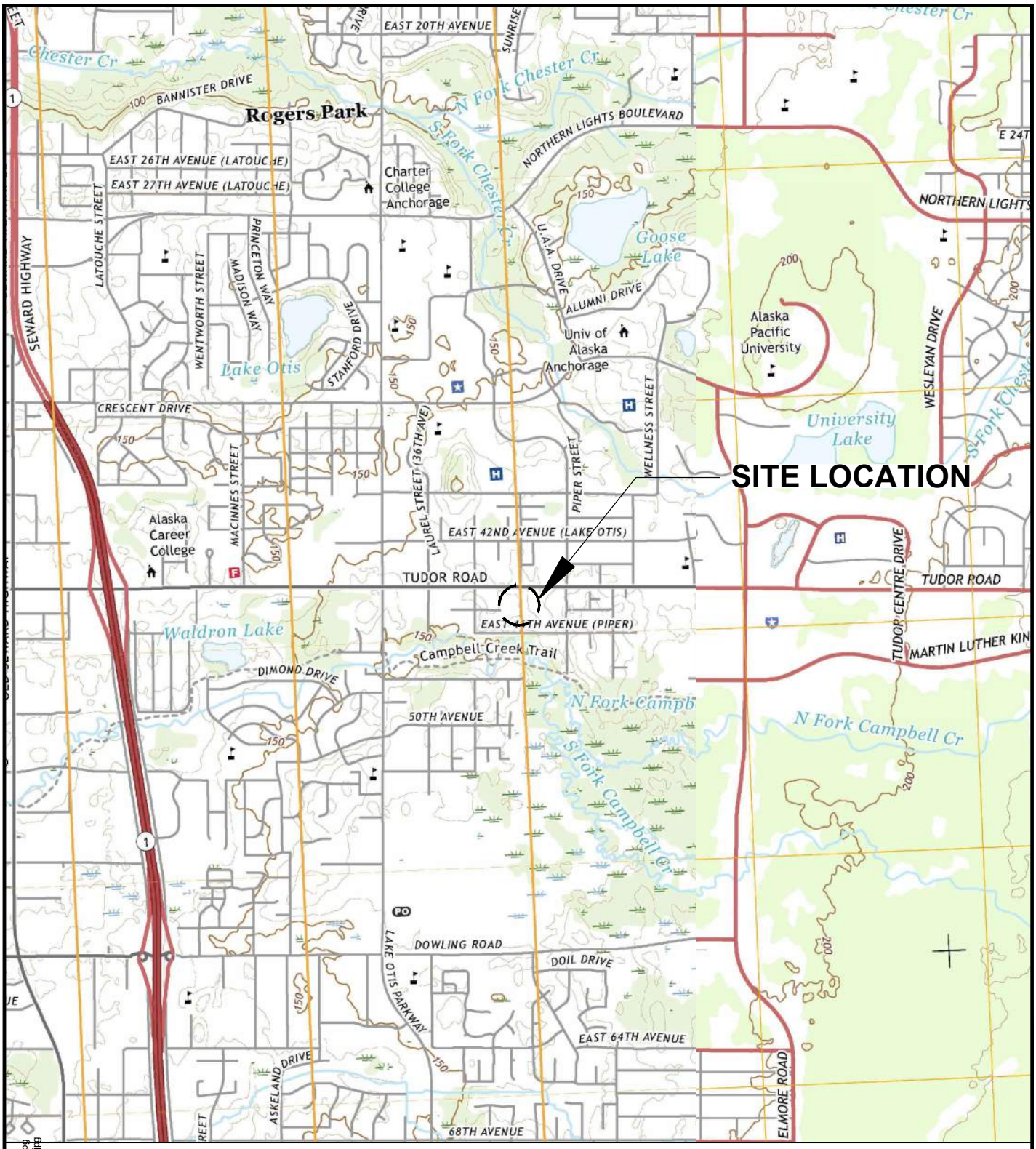
Enclosures:

Figure 1. Site Location Map
Figure 2. Site Plan
Figure 3. Groundwater Elevation Map – April 7, 2023
Figure 4. Groundwater Analytical Results Map – April 7, 2023

Table 1. Groundwater Monitoring Schedule
Table 2. Current Groundwater Gauging and Analytical Results

Attachment A. Field Notes
Attachment B. Laboratory Analytical Results
Attachment C. Historical Groundwater Analytical Results – First Quarter 1992 to 2022
Attachment D. ADEC Data Review Checklist

Figures



SOURCE: USGS 7.5 ANCHORAGE A-8 NW QUADRANGLE, ALASKA.

N

0 2,000' 4,000'

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

AREA LOCATION

ALASKA

FORMER CHEVRON-BRANDED SERVICE STATION 97324
4417 LAKE OTIS PARKWAY
ANCHORAGE, ALASKA

SITE LOCATION MAP

ARCADIS

FIGURE 1

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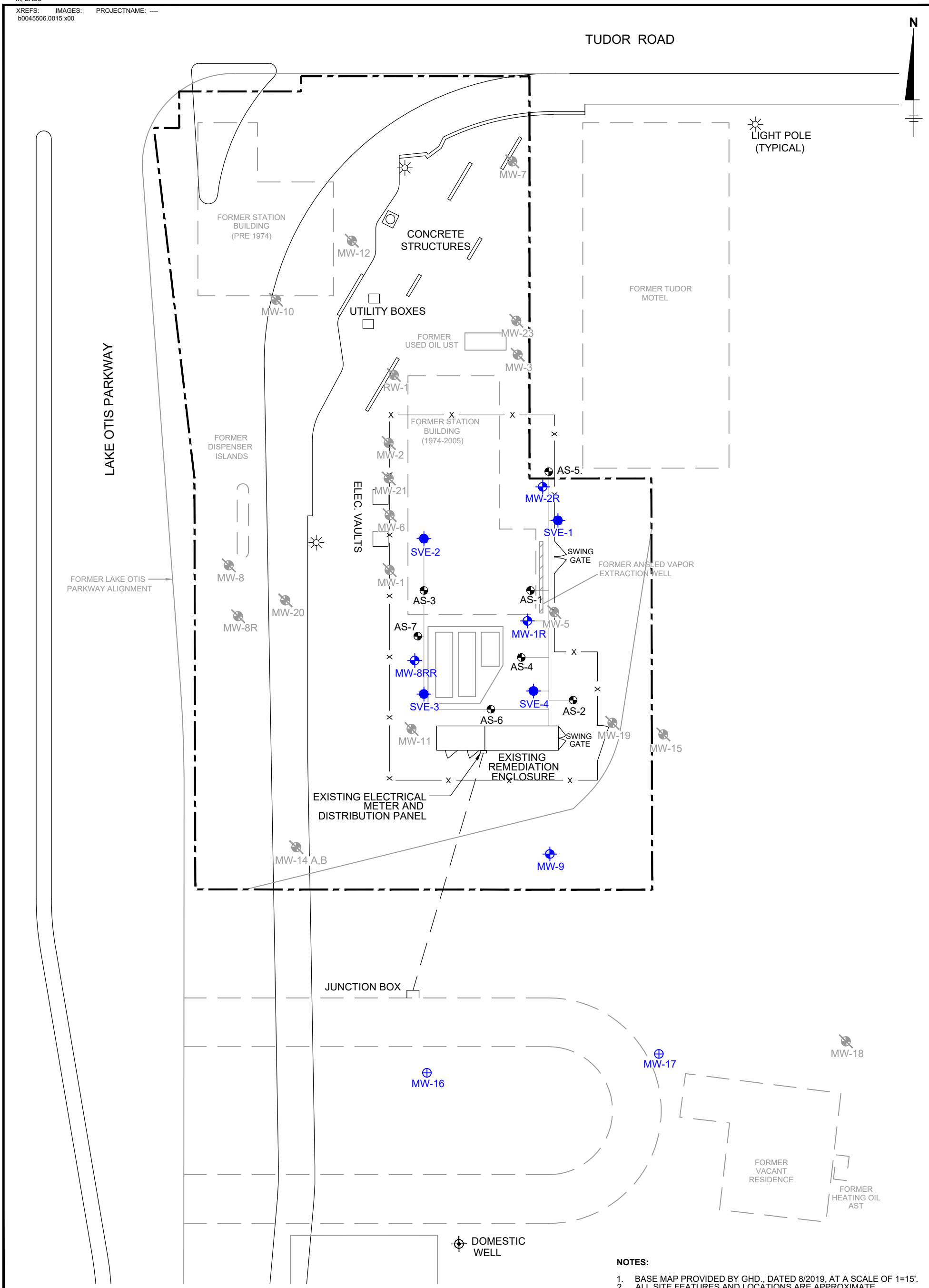

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- OFFSITE WELL LOCATION
- DESTROYED WELL
- DOMESTIC WELL

UST UNDERGROUND STORAGE TANK

0 50' 100'
APPROXIMATE SCALE: 1" = 50'

NOTES:

1. BASE MAP PROVIDED BY GHD., DATED 8/2019, AT A SCALE OF 1=15'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

FORMER CHEVRON-BRANDED SERVICE STATION 97324
4417 LAKE OTIS PARKWAY
ANCHORAGE, ALASKA

SITE PLAN

ARCADIS

FIGURE
2

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TUDOR ROAD

LAKE OTIS PARKWAY

FORMER LAKE OTIS PARKWAY ALIGNMENT

FORMER STATION BUILDING (PRE 1974)

FORMER DISPENSER ISLANDS

FORMER STATION BUILDING (1974-2005)

CONCRETE STRUCTURES

UTILITY BOXES

FORMER USED OIL UST

ELEC. VAULTS

FORMER TUDOR MOTEL

LIGHT POLE (TYPICAL)

SWING GATE

FORMER ANGLED VAPOR EXTRACTION WELL

FORMER REMEDIATION ENCLOSURE

FORMER ELECTRICAL METER AND DISTRIBUTION PANEL

JUNCTION BOX

FORMER VACANT RESIDENCE

FORMER HEATING OIL AST

MW-1 MW-2 MW-3 MW-5 MW-6 MW-7 MW-8 MW-8R MW-9 (145.52) MW-10 MW-11 MW-12 MW-14 A,B MW-15 MW-16 MW-17 MW-18 MW-19 MW-20 MW-21 MW-23 RW-1

MW-1R (143.46) MW-2R (143.46) MW-8RR (143.43)

AS-1 AS-2 AS-3 AS-4 AS-5. AS-6 AS-7

SVE-1 SVE-2 SVE-3 SVE-4

143.50 144.00 144.50 145.00 145.50

0.027 FT/FT

DOMESTIC WELL

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- OFFSITE WELL LOCATION
- DESTROYED WELL
- DOMESTIC WELL
- UST UNDERGROUND STORAGE TANK
- (145.52) GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
- 145.50 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- 0.027 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
- NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988

0 50' 100'
APPROXIMATE SCALE: 1" = 50'

NOTES:

1. BASE MAP PROVIDED BY GHD., DATED 8/2019, AT A SCALE OF 1=15'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

FORMER CHEVRON-BRANDED SERVICE STATION 97324
4417 LAKE OTIS PARKWAY
ANCHORAGE, ALASKA

GROUNDWATER ELEVATION MAP APRIL 7, 2023

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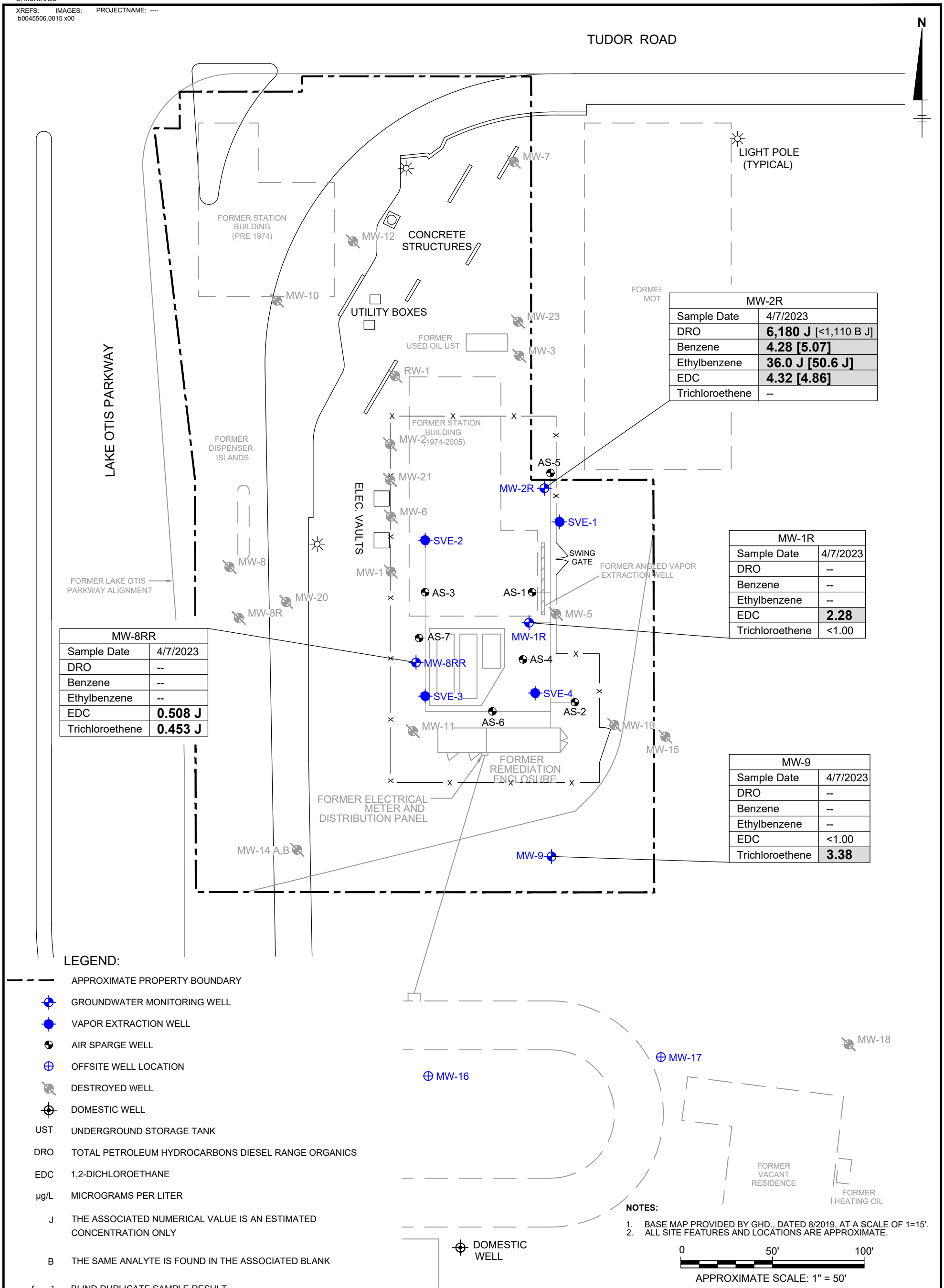
FIGURE 3



MW-2R	
Sample Date	4/7/2023
DRO	**6,180 J** [<1,110 B J]
Benzene	**4.28 [5.07]**
Ethylbenzene	**36.0 J [50.6 J]**
EDC	**4.32 [4.86]**
Trichloroethene	--

MW-1R	
Sample Date	4/7/2023
DRO	--
Benzene	--
Ethylbenzene	--
EDC	**2.28**
Trichloroethene	<1.00

MW-8RR	
Sample Date	4/7/2023
DRO	--
Benzene	--
Ethylbenzene	--
EDC	**0.508 J**
Trichloroethene	**0.453 J**

MW-9	
Sample Date	4/7/2023
DRO	--
Benzene	--
Ethylbenzene	--
EDC	<1.00
Trichloroethene	**3.38**

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- OFFSITE WELL LOCATION
- DESTROYED WELL
- DOMESTIC WELL
- UST — UNDERGROUND STORAGE TANK
- DRO — TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS
- EDC — 1,2-DICHLOROETHANE
- µg/L — MICROGRAMS PER LITER
- J — THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
- B — THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- [ ] — BLIND DUPLICATE SAMPLE RESULT
- **BOLD** — DETECTED ABOVE LABORATORY REPORTED DETECTION LIMIT
- **BOLD** — VALUE EXCEEDS ADEC GROUNDWATER CLEANUP LEVEL
- -- — NOT ANALYZED

CONCENTRATION IN (µg/L)

Analyte	
DRO	**1,500**
Benzene	**4.6**
Ethylbenzene	**15**
EDC	**1.7**
Trichloroethene	**2.8**

NOTES:

1. BASE MAP PROVIDED BY GHD., DATED 8/2019, AT A SCALE OF 1=15'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 50' 100'

APPROXIMATE SCALE: 1" = 50'

CHEVRON-BRANDED SERVICE STATION 97324
4417 LAKE OTIS PARKWAY
ANCHORAGE, ALASKA

GROUNDWATER ANALYTICAL RESULTS MAP APRIL 7, 2023

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FIGURE 4

Tables

Table 1
Groundwater Monitoring Schedule
First Semi Annual 2023
Former Chevron #7324
4417 Lake Otis Parkway,
Anchorage, Alaska

Well ID	Sample Schedule	Gauge	Sample	Comment
MW-1R	Semi-Annual	Y	Y	Total Lead by 6010: Trichloroethene, Tetrachloroethene, cis-1,2-Dichloroethene, EDC by 8260B
MW-2R	Semi-Annual	Y	Y	TPH GRO by Alaska Method AK 101; TPH DRO by Alaska Method AK 102; Total Lead by 6010; BTEX, 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, EDC by 8260B; EDB by 8011; Naphthalene, 1-methylnaphthlene by 8270B
MW-8RR	Semi-Annual	Y	Y	Total Lead by 6010: Trichloroethene, Tetrachloroethene, cis-1,2-Dichloroethene, EDC by 8260B; EDB by 8011
MW-9	Semi-Annual	Y	Y	Total Lead by 6010: Trichloroethene, Tetrachloroethene, cis-1,2-Dichloroethene, EDC, Vinyl Chloride by 8260B
MW-16	Not Sampled	N	N	
MW-17	Not Sampled	N	N	
BD-1	Semi-Annual	N	Y	TPH GRO by Alaska Method AK 101; TPH DRO by Alaska Method AK 102; Total Lead by 6010; BTEX, 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, EDC by 8260B; EDB by 8011; Naphthalene, 1-methylnaphthlene by 8270B
TB	Semi-Annual	N	Y	TPH GRO by Alaska Method AK 101; BTEX, Trichloroethene, Tetrachloroethene, cis-1,2-Dichloroethene, 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, EDC by 8260B; EDB by 8011
EQB	Semi-Annual	N	Y	TPH GRO by Alaska Method AK 101; TPH DRO by Alaska Method AK 102; Total Lead by 6010; BTEX, 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, EDC by 8260B; EDB by 8011; Naphthalene, 1-methylnaphthlene by 8270B
MS/MSD	Semi-Annual	Y	Y	TPH GRO by Alaska Method AK 101; TPH DRO by Alaska Method AK 102; Total Lead by 6010; BTEX, 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, EDC by 8260B; EDB by 8011; Naphthalene, 1-methylnaphthlene by 8270B

Notes:
Reduced list of parameters for each monitoring well approved in letter from the Alaska Department of Environmental Conservation (ADEC) letter dated March 22, 2023

TPH GRO = Total Petroleum Hydrocarbons Gasoline Range Organics
TPH DRO = Total Petroleum Hydrocarbons Gasoline Range Organics
EDB = Ethylene Dibromide (1,2-dibromoethane)
EDC = 1,2-dichloroethene
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

Table 2
Current Groundwater Gauging and Analytical Data
First Semi Annual 2023
Former Chevron #7324
4417 Lake Otis Parkway,
Anchorage, Alaska

Well ID	Sample Date	TOC (ft bTOC)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	cis-1,2-DCE	PCE	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	1-Methyl-naphthalene	Naphthalene	Lead	Comments
ADEC Groundwater Cleanup Levels					1,500	2,200	4.6	1,100	15	190	0.075	1.7	36	41	2.8	56	60	0.19	11	1.7	15	
MW-1R	04/07/23	167.56	24.10	143.46	--	--	--	--	--	--	--	**2.28**	<1.00	**1.13**	<1.00	--	--	--	--	--	**4.23 J**	
MW-2R	04/07/23	168.25	24.79	143.46	**6,180 J** [<1,110 B J]	**239 [431]**	**4.28 [5.07]**	<1.00 [<1.00]	**36.0 J [50.6 J]**	**3.45 [5.62]**	**0.0209 J [0.0188 J]**	**4.32 [4.86]**	--	--	--	**3.29 [4.97]**	<1.00 [<1.00]	--	**4.04 [3.98]**	**0.505 J [0.508 J]**	**5.79 J** [<6.00]	
MW-8RR	04/07/23	166.43	23.00	143.43	--	--	--	--	--	--	<0.0206	**0.508 J**	<1.00	**2.36**	**0.453 J**	--	--	--	--	--	**9.96**	
MW-9	04/07/23	159.24	13.72	145.52	--	--	--	--	--	--	--	<1.00	**7.22**	**11.7**	**3.38**	--	--	***<1.00***	--	--	**5.58 J**	

Notes:
1. GRO analyzed by Alaska Method AK101 and DRO analyzed by Alaska Method AK102.
2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. EDB is analyzed by USEPA Method 8011.
4. 1-Methylnaphthalene and Naphthalene are analyzed by USEPA Method 8270E.
4. Constituents of concern analyzed by USEPA Method 8260 except where noted above.
5. All results reported in micrograms per liter.

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 Shaded = Value exceeds ADEC Groundwater Cleanup Level
bTOC = Below top of casing
Cis-1,2-DCE = cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)
DRO = Total petroleum hydrocarbons, diesel range organics
DTW = Depth to groundwater
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
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
PCE = Tetrachloroethene (Tetrachlorethylene)
TCE = Trichloroethene (Trichlorethylene)
TOC = Top of casing
TMB = Trimethylbenzene

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 November 18, 2021.

Table 2
Current Groundwater Gauging and Analytical Data
First Semi Annual 2023
Former Chevron #7324
4417 Lake Otis Parkway,
Anchorage, Alaska

Well ID	Sample Date	TOC (ft bTOC)	DTW (feet bTOC)	GW Elev. (feet)	DRO	GRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	EDC	cis-1,2-DCE	PCE	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	1-Methyl-naphthalene	Naphthalene	Lead	Comments
ADEC Groundwater Cleanup Levels					1,500	2,200	4.6	1,100	15	190	0.075	1.7	36	41	2.8	56	60	0.19	11	1.7	15	
MW-1R	04/07/23	167.56	24.10	143.46	--	--	--	--	--	--	--	**2.28**	<1.00	**1.13**	<1.00	--	--	--	--	--	**4.23 J**	
MW-2R	04/07/23	168.25	24.79	143.46	**6,180 J** [<1,110 B J]	**239 [431]**	**4.28 [5.07]**	<1.00 [<1.00]	**36.0 J [50.6 J]**	**3.45 [5.62]**	**0.0209 J [0.0188 J]**	**4.32 [4.86]**	--	--	--	**3.29 [4.97]**	<1.00 [<1.00]	--	**4.04 [3.98]**	**0.505 J [0.508 J]**	**5.79 J** [<6.00]	
MW-8RR	04/07/23	166.43	23.00	143.43	--	--	--	--	--	--	<0.0206	**0.508 J**	<1.00	**2.36**	**0.453 J**	--	--	--	--	--	**9.96**	
MW-9	04/07/23	159.24	13.72	145.52	--	--	--	--	--	--	--	<1.00	**7.22**	**11.7**	**3.38**	--	--	***<1.00***	--	--	**5.58 J**	

Notes:
1. GRO analyzed by Alaska Method AK101 and DRO analyzed by Alaska Method AK102.
2. Lead analyzed by United States Environmental Protection Agency (USEPA) Method 6010D.
3. EDB is analyzed by USEPA Method 8011.
4. 1-Methylnaphthalene and Naphthalene are analyzed by USEPA Method 8270E.
4. Constituents of concern analyzed by USEPA Method 8260 except where noted above.
5. All results reported in micrograms per liter.

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 Shaded = Value exceeds ADEC Groundwater Cleanup Level
bTOC = Below top of casing
Cis-1,2-DCE = cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene)
DRO = Total petroleum hydrocarbons, diesel range organics
DTW = Depth to groundwater
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
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
PCE = Tetrachloroethene (Tetrachlorethylene)
TCE = Trichloroethene (Trichlorethylene)
TOC = Top of casing
TMB = Trimethylbenzene

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 November 18, 2021.

Attachment A

Field Notes

Daily Log

Project Number : 30063667

Prepared By: Evan Wujcik

Site ID: 97324

Site Name: Former Chevron 9-7324

City: Anchorage

State: Alaska

Project Manager: Robinson, Gerald

Portfolio: COP 3.0

Subportfolio: West

Inside Chevron Operational Control? Yes ☐ No ☑

Staff on Site
Evan Wujcik

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

Date	Time	Description of Activities
04/07/2023	07:00	Arrive on site Locate Wells
04/07/2023	08:00	Sample MW1R Decon equipment See COC for analysis
04/07/2023	09:00	Sample MW8RR Decon equipment See COC for analysis
04/07/2023	10:00	Sample MW2R BD/MS/MSD samples collected at this location Decon equipment See COC for analysis
04/07/2023	11:00	Sample MW9 Decon equipment See COC for analysis
04/07/2023	11:30	Load vehicle Mobilize offsite

Daily Log

Equipment and Calibration Information:

Supplier: Pine

Model:

Rental Number:

Calibrated:

Bump Checked:

Calibration Passed: yes

Water Quality Meter SN:

Date	Time	Calibrated Fulid and Value	Lot #	Expiration Date	Initial Reading	Final Reading
04/07/2023	15:26:00					

Equipment and Calibration Information:

Supplier: Pine

Model:

Rental Number:

Calibrated:

Bump Checked:

Calibration Passed: yes

PIDSN:

Date	Time	Calibrated Fulid and Value	Lot #	Expiration Date	Initial Reading	Final Reading
04/07/2023	15:26					

End of Day Questions	Yes	No	Comments	
Was waste generated?	☐	☑	Approximate volume of waste	5
			Container type	55 gallon drum
			Confirm container is not leaking	Yes ☑ No ☐
Have you performed work in accordance with the applicable QP/TGI?	☑	☐		
Change in plans (project delays)?	☐	☑		
Discovery of significant new site characteristics?	☐	☑		
Upcoming regulatory, community, or other stakeholder views change?	☐	☑		
Incident at the site?	☐	☑		
Is there a potential dispute?	☐	☐		
Identification of strategic opportunity?	☐	☑		
New application, renewal, or permit modifcation?	☐	☑		

Signature

Daily Log

Groundwater Gauging Log

Project Number	30063667
Client:	Chevron
Site ID:	97324
Site Location:	Anchorage, Alaska
Measuring Point:	Top of Casing
Date(s):	04/07/2023
Sampler(s):	Evan Wujcik
Gauging Equipment:	Water Level Meter

Well ID	Date	Gauging Time	Static Water Level (ft bmp)	Depth to Product (ft bmp)	Total Depth (ft bmp)	PID Reading (ppm)	LNAPL Removed (gal)	Comments
MW-1R	04/07/2023	07:13	24.1	ND	31.00	0	--	--
MW-2R	04/07/2023	07:20	24.79	ND	31.20	0	--	--
MW-8RR	04/07/2023	07:16	23	ND	32.50	0	--	--
MW-9	04/07/2023	08:04	13.72	ND	19.30	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	30063667	**Well ID**	MW-1R	**Date**	4/7/2023		
Site Location	Anchorage, Alaska	**Site ID**	97324	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	24.1	**Total Depth (ft-bmp)**	31	**Water Column (ft)**	6.90	**Gallons in Well**	1.12
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	08:00	**Well Volumes Purged**	0.57	**Sample ID**	MW-1R-W-20230407	**Evacuation Equipment**	Bladder
Purge Start	07:30	**Gallons Purged**	0.63	**Duplicate ID**	--		
Purge End	07:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
07:33	200	24.15	7.24	0.865	78.9	4.61	-1.48	165	--	--
07:36	200	24.18	7.20	0.782	75.6	3.50	-1.53	160	--	--
07:39	200	24.20	7.16	0.691	70.1	3.55	-1.43	158	--	--
07:42	200	24.21	7.15	0.668	68.3	3.67	-1.45	155	--	--

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-1R-W-20230407 Sample Time: 08:00 Sample Depth (ft-bmp): 25

Analytes and Methods: See Chain-of-Custody.

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	30063667	**Well ID**	MW-2R	**Date**	4/7/2023		
Site Location	Anchorage, Alaska	**Site ID**	97324	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	24.79	**Total Depth (ft-bmp)**	31.2	**Water Column (ft)**	6.41	**Gallons in Well**	1.04
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab

Sample Time	10:00	**Well Volumes Purged**	0.61	**Sample ID**	MW-2R-W-20230407	**Evacuation Equipment**	Bladder
Purge Start	09:30	**Gallons Purged**	0.63	**Duplicate ID**	BD/MS/MSD		
Purge End	09:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:33	200	24.83	7.15	1.25	31.3	5.51	-2.38	161	--	--
09:36	200	24.84	7.17	1.31	30.9	4.65	-2.39	157	--	--
09:39	200	24.86	7.16	1.29	30.2	4.59	-2.38	154	--	--
09:42	200	24.88	7.15	1.30	29.6	4.45	-2.38	153	--	--

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-2R-W-20230407 Sample Time: 10:00 Sample Depth (ft-bmp): 26

Analytes and Methods: See Chain-of-Custody.

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	30063667	**Well ID**	MW-8RR	**Date**	4/7/2023		
Site Location	Anchorage, Alaska	**Site ID**	97324	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	23	**Total Depth (ft-bmp)**	32.5	**Water Column (ft)**	9.50	**Gallons in Well**	1.54
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	09:00	**Well Volumes Purged**	0.41	**Sample ID**	MW-8RR-W-20230407	**Evacuation Equipment**	Bladder
Purge Start	08:30	**Gallons Purged**	0.63	**Duplicate ID**	--		
Purge End	08:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:33	200	23.05	7.17	1.02	22.1	14.80	-2.51	141	--	--
08:36	200	23.08	7.19	1.05	20.0	16.38	-2.53	142	--	--
08:39	200	23.10	7.19	1.07	20.7	16.41	-2.53	143	--	--
08:42	200	23.12	7.20	1.08	20.1	16.66	-2.53	144	--	--

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-8RR-W-20230407 Sample Time: 09:00 Sample Depth (ft-bmp): 24

Analytes and Methods: See Chain-of-Custody.

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	30063667	**Well ID**	MW-9	**Date**	4/7/2023		
Site Location	Anchorage, Alaska	**Site ID**	97324	**Weather (°F)**	Clear	**Sampled by**	Evan Wujcik
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to --	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	13.72	**Total Depth (ft-bmp)**	19.3	**Water Column (ft)**	5.58	**Gallons in Well**	0.91
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	11:00	**Well Volumes Purged**	0.70	**Sample ID**	MW-9-W-20230407	**Evacuation Equipment**	Bladder
Purge Start	10:30	**Gallons Purged**	0.63	**Duplicate ID**	--		
Purge End	10:50	**Total Purge Time (h:m)**	0:20				

Time	Rate (ml/min)	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:33	200	13.76	6.86	0.743	67.5	7.03	0.07	122	--	--
10:36	200	13.78	6.72	0.589	82.9	7.24	0.41	125	--	--
10:39	200	13.82	6.65	0.519	80.2	7.39	0.58	128	--	--
10:42	200	13.85	6.60	0.478	78.4	7.44	0.66	132	--	--

Comments: None

Well Casing Volume Conversion

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

Sample Information

Sample ID: MW-9-W-20230407 Sample Time: 11:00 Sample Depth (ft-bmp): 15

Analytes and Methods: See Chain-of-Custody.

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

April 19, 2023

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

Arcadis - Chevron - AK

Sample Delivery Group:	L1603522
Samples Received:	04/08/2023
Project Number:	30063667.19.45
Description:	97324
Site:	4417 LAKE OTIS PKWY, ANCHORAGE
Report To:	Gerald Robinson 880 H St. Anchorage, AK 99501

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

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

TABLE OF CONTENTS

MW-1R-W-20230407 L1603522-01 GW

Collected by: E.W | Collected date/time: 04/07/23 08:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2039061	1	04/12/23 17:03	04/13/23 02:54	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2040870	1	04/12/23 23:03	04/12/23 23:03	JAH	Mt. Juliet, TN

MW-8RR-W-20230407 L1603522-02 GW

Collected by: E.W | Collected date/time: 04/07/23 09:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2039061	1	04/12/23 17:03	04/13/23 02:57	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2040870	1	04/12/23 23:24	04/12/23 23:24	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2041406	1.03	04/14/23 03:33	04/14/23 16:46	HLA	Mt. Juliet, TN

MW-2R-W-20230407 L1603522-03 GW

Collected by: E.W | Collected date/time: 04/07/23 10:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2039061	1	04/12/23 17:03	04/13/23 02:06	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2040600	1	04/12/23 16:05	04/12/23 16:05	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2040870	1	04/12/23 23:45	04/12/23 23:45	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2041406	1.06	04/14/23 03:33	04/14/23 13:24	HLA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2040033	1.11	04/13/23 05:16	04/13/23 17:04	HLJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2038893	1.11	04/11/23 08:00	04/12/23 00:26	AMG	Mt. Juliet, TN

MW-9-W-20230407 L1603522-04 GW

Collected by: E.W | Collected date/time: 04/07/23 11:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2039061	1	04/12/23 17:03	04/13/23 03:00	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2040870	1	04/13/23 00:06	04/13/23 00:06	JAH	Mt. Juliet, TN

BD-1-W-20230407 L1603522-05 GW

Collected by: E.W | Collected date/time: 04/07/23 00:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2039044	1	04/11/23 05:41	04/11/23 23:17	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2040600	1	04/12/23 16:31	04/12/23 16:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2040870	1	04/13/23 00:26	04/13/23 00:26	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2041406	1.06	04/14/23 03:33	04/14/23 16:58	HLA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2040033	1.11	04/13/23 05:16	04/13/23 18:13	HLJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2038893	1.11	04/11/23 08:00	04/12/23 01:20	AMG	Mt. Juliet, TN

EQB-1-W-20230407 L1603522-06 GW

Collected by: E.W | Collected date/time: 04/07/23 12:00 | Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG2039044	1	04/11/23 05:41	04/11/23 23:20	ABL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG2040600	1	04/12/23 15:17	04/12/23 15:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2041000	1	04/13/23 02:17	04/13/23 02:17	JBE	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2041406	1.05	04/14/23 03:33	04/14/23 17:10	HLA	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG2040033	1.11	04/13/23 05:16	04/13/23 18:37	HLJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG2038893	1	04/11/23 08:00	04/12/23 01:38	AMG	Mt. Juliet, TN

TRIP BLANK 1 L1603522-07 GW

Collected by: E.W
Collected date/time: 04/07/23 00:00
Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2041000	1	04/13/23 00:08	04/13/23 00:08	JBE	Mt. Juliet, TN

TRIP BLANK 2 L1603522-08 GW

Collected by: E.W
Collected date/time: 04/07/23 00:00
Received date/time: 04/08/23 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2041000	1	04/13/23 00:29	04/13/23 00:29	JBE	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/MS) by Method 8260D

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

Batch	Lab Sample ID	Analytes
WG2040870	(MS) R3912944-4, (MSD) R3912944-5, L1603522-03	Ethylbenzene

EDB / DBCP by Method 8011

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2041406	L1603522-03	Ethylene Dibromide

Semi-Volatile Organic Compounds (GC) by Method AK102

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2040033	AK102 DRO C10-C25	L1603522-05, 06

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

Batch	Lab Sample ID	Analytes
WG2040033	(MS) R3913157-4, (MSD) R3913157-5, L1603522-03	AK102 DRO C10-C25

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	4.23	J	2.99	6.00	1	04/13/2023 02:54	WG2039061

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-Dichloroethane	2.28		0.0819	1.00	1	04/12/2023 23:03	WG2040870
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/12/2023 23:03	WG2040870
Tetrachloroethene	1.13		0.300	1.00	1	04/12/2023 23:03	WG2040870
Trichloroethene	U		0.190	1.00	1	04/12/2023 23:03	WG2040870
(S) Toluene-d8	*105*			*80.0-120*		*04/12/2023 23:03*	WG2040870
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*04/12/2023 23:03*	WG2040870
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*04/12/2023 23:03*	WG2040870

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	9.96		2.99	6.00	1	04/13/2023 02:57	WG2039061

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-Dichloroethane	0.508	J	0.0819	1.00	1	04/12/2023 23:24	WG2040870
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/12/2023 23:24	WG2040870
Tetrachloroethene	2.36		0.300	1.00	1	04/12/2023 23:24	WG2040870
Trichloroethene	0.453	J	0.190	1.00	1	04/12/2023 23:24	WG2040870
(S) Toluene-d8	*105*			*80.0-120*		*04/12/2023 23:24*	WG2040870
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*04/12/2023 23:24*	WG2040870
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/12/2023 23:24*	WG2040870

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00552	0.0206	1.03	04/14/2023 16:46	WG2041406

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	5.79	J	2.99	6.00	1	04/13/2023 02:06	WG2039061

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	239		28.7	100	1	04/12/2023 16:05	WG2040600
(S) a,a,a-Trifluorotoluene(FID)	*86.6*			*50.0-150*		*04/12/2023 16:05*	WG2040600

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	4.28		0.0941	1.00	1	04/12/2023 23:45	WG2040870
1,2-Dichloroethane	4.32		0.0819	1.00	1	04/12/2023 23:45	WG2040870
Ethylbenzene	36.0	V	0.137	1.00	1	04/12/2023 23:45	WG2040870
Toluene	U		0.278	1.00	1	04/12/2023 23:45	WG2040870
1,2,4-Trimethylbenzene	3.29		0.322	1.00	1	04/12/2023 23:45	WG2040870
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/12/2023 23:45	WG2040870
Xylenes, Total	3.45		0.174	3.00	1	04/12/2023 23:45	WG2040870
o-Xylene	0.214	J	0.174	1.00	1	04/12/2023 23:45	WG2040870
m&p-Xylene	3.24		0.430	2.00	1	04/12/2023 23:45	WG2040870
(S) Toluene-d8	*103*			*80.0-120*		*04/12/2023 23:45*	WG2040870
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*04/12/2023 23:45*	WG2040870
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/12/2023 23:45*	WG2040870

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.0209	J P	0.00568	0.0212	1.06	04/14/2023 13:24	WG2041406

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	6180	J6	189	888	1.11	04/13/2023 17:04	WG2040033
(S) o-Terphenyl	*94.4*			*50.0-150*		*04/13/2023 17:04*	WG2040033

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	0.505	J	0.142	0.555	1.11	04/12/2023 00:26	WG2038893
1-Methylnaphthalene	4.04		0.0222	0.555	1.11	04/12/2023 00:26	WG2038893
(S) Nitrobenzene-d5	*92.8*			*11.0-135*		*04/12/2023 00:26*	WG2038893
(S) 2-Fluorobiphenyl	*85.1*			*32.0-120*		*04/12/2023 00:26*	WG2038893
(S) p-Terphenyl-d14	*79.3*			*23.0-122*		*04/12/2023 00:26*	WG2038893

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	5.58	J	2.99	6.00	1	04/13/2023 03:00	WG2039061

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-Dichloroethane	U		0.0819	1.00	1	04/13/2023 00:06	WG2040870
cis-1,2-Dichloroethene	7.22		0.126	1.00	1	04/13/2023 00:06	WG2040870
Tetrachloroethene	11.7		0.300	1.00	1	04/13/2023 00:06	WG2040870
Trichloroethene	3.38		0.190	1.00	1	04/13/2023 00:06	WG2040870
Vinyl chloride	U		0.234	1.00	1	04/13/2023 00:06	WG2040870
(S) Toluene-d8	*105*			*80.0-120*		*04/13/2023 00:06*	WG2040870
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*04/13/2023 00:06*	WG2040870
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/13/2023 00:06*	WG2040870

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	04/11/2023 23:17	WG2039044

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	431		28.7	100	1	04/12/2023 16:31	WG2040600
(S) a,a,a-Trifluorotoluene(FID)	*87.8*			*50.0-150*		*04/12/2023 16:31*	WG2040600

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	5.07		0.0941	1.00	1	04/13/2023 00:26	WG2040870
1,2-Dichloroethane	4.86		0.0819	1.00	1	04/13/2023 00:26	WG2040870
Ethylbenzene	50.6		0.137	1.00	1	04/13/2023 00:26	WG2040870
Toluene	U		0.278	1.00	1	04/13/2023 00:26	WG2040870
1,2,4-Trimethylbenzene	4.97		0.322	1.00	1	04/13/2023 00:26	WG2040870
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/13/2023 00:26	WG2040870
Xylenes, Total	5.62		0.174	3.00	1	04/13/2023 00:26	WG2040870
o-Xylene	0.394	J	0.174	1.00	1	04/13/2023 00:26	WG2040870
m&p-Xylene	5.23		0.430	2.00	1	04/13/2023 00:26	WG2040870
(S) Toluene-d8	*102*			*80.0-120*		*04/13/2023 00:26*	WG2040870
(S) 4-Bromofluorobenzene	*90.5*			*77.0-126*		*04/13/2023 00:26*	WG2040870
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*04/13/2023 00:26*	WG2040870

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.0188	J	0.00568	0.0212	1.06	04/14/2023 16:58	WG2041406

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	1110	B	189	888	1.11	04/13/2023 18:13	WG2040033
(S) o-Terphenyl	*74.0*			*50.0-150*		*04/13/2023 18:13*	WG2040033

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	0.508	J	0.142	0.555	1.11	04/12/2023 01:20	WG2038893
1-Methylnaphthalene	3.98		0.0222	0.555	1.11	04/12/2023 01:20	WG2038893
(S) Nitrobenzene-d5	*83.3*			*11.0-135*		*04/12/2023 01:20*	WG2038893
(S) 2-Fluorobiphenyl	*82.9*			*32.0-120*		*04/12/2023 01:20*	WG2038893
(S) p-Terphenyl-d14	*84.7*			*23.0-122*		*04/12/2023 01:20*	WG2038893

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	04/11/2023 23:20	WG2039044

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	U		28.7	100	1	04/12/2023 15:17	WG2040600
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*50.0-150*		*04/12/2023 15:17*	WG2040600

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	04/13/2023 02:17	WG2041000
Ethylbenzene	U		0.137	1.00	1	04/13/2023 02:17	WG2041000
Toluene	U		0.278	1.00	1	04/13/2023 02:17	WG2041000
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/13/2023 02:17	WG2041000
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/13/2023 02:17	WG2041000
Xylenes, Total	U		0.174	3.00	1	04/13/2023 02:17	WG2041000
o-Xylene	U		0.174	1.00	1	04/13/2023 02:17	WG2041000
m&p-Xylene	U		0.430	2.00	1	04/13/2023 02:17	WG2041000
(S) Toluene-d8	*101*			*80.0-120*		*04/13/2023 02:17*	WG2041000
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*		*04/13/2023 02:17*	WG2041000
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*04/13/2023 02:17*	WG2041000

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00563	0.0210	1.05	04/14/2023 17:10	WG2041406

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	261	B J	189	888	1.11	04/13/2023 18:37	WG2040033
(S) o-Terphenyl	*72.1*			*50.0-150*		*04/13/2023 18:37*	WG2040033

Sample Narrative:

L1603522-06 WG2040033: Dilution due to sample volume.

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Naphthalene	U		0.128	0.500	1	04/12/2023 01:38	WG2038893
1-Methylnaphthalene	U		0.0200	0.500	1	04/12/2023 01:38	WG2038893
(S) Nitrobenzene-d5	*80.5*			*11.0-135*		*04/12/2023 01:38*	WG2038893
(S) 2-Fluorobiphenyl	*83.0*			*32.0-120*		*04/12/2023 01:38*	WG2038893
(S) p-Terphenyl-d14	*99.5*			*23.0-122*		*04/12/2023 01:38*	WG2038893

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

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	04/13/2023 00:08	WG2041000
1,2-Dichloroethane	U		0.0819	1.00	1	04/13/2023 00:08	WG2041000
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/13/2023 00:08	WG2041000
Ethylbenzene	U		0.137	1.00	1	04/13/2023 00:08	WG2041000
Tetrachloroethene	U		0.300	1.00	1	04/13/2023 00:08	WG2041000
Toluene	U		0.278	1.00	1	04/13/2023 00:08	WG2041000
Trichloroethene	U		0.190	1.00	1	04/13/2023 00:08	WG2041000
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/13/2023 00:08	WG2041000
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/13/2023 00:08	WG2041000
Vinyl chloride	U		0.234	1.00	1	04/13/2023 00:08	WG2041000
Xylenes, Total	U		0.174	3.00	1	04/13/2023 00:08	WG2041000
o-Xylene	U		0.174	1.00	1	04/13/2023 00:08	WG2041000
m&p-Xylene	U		0.430	2.00	1	04/13/2023 00:08	WG2041000
(S) Toluene-d8	*104*			*80.0-120*		*04/13/2023 00:08*	WG2041000
(S) 4-Bromofluorobenzene	*98.2*			*77.0-126*		*04/13/2023 00:08*	WG2041000
(S) 1,2-Dichloroethane-d4	*98.9*			*70.0-130*		*04/13/2023 00:08*	WG2041000

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	04/13/2023 00:29	WG2041000
1,2-Dichloroethane	U		0.0819	1.00	1	04/13/2023 00:29	WG2041000
cis-1,2-Dichloroethene	U		0.126	1.00	1	04/13/2023 00:29	WG2041000
Ethylbenzene	U		0.137	1.00	1	04/13/2023 00:29	WG2041000
Tetrachloroethene	U		0.300	1.00	1	04/13/2023 00:29	WG2041000
Toluene	U		0.278	1.00	1	04/13/2023 00:29	WG2041000
Trichloroethene	U		0.190	1.00	1	04/13/2023 00:29	WG2041000
1,2,4-Trimethylbenzene	U		0.322	1.00	1	04/13/2023 00:29	WG2041000
1,3,5-Trimethylbenzene	U		0.104	1.00	1	04/13/2023 00:29	WG2041000
Vinyl chloride	U		0.234	1.00	1	04/13/2023 00:29	WG2041000
Xylenes, Total	U		0.174	3.00	1	04/13/2023 00:29	WG2041000
o-Xylene	U		0.174	1.00	1	04/13/2023 00:29	WG2041000
m&p-Xylene	U		0.430	2.00	1	04/13/2023 00:29	WG2041000
(S) Toluene-d8	*100*			*80.0-120*		*04/13/2023 00:29*	WG2041000
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*04/13/2023 00:29*	WG2041000
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*04/13/2023 00:29*	WG2041000

Method Blank (MB)

(MB) R3912097-1 04/11/23 22:02

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) R3912097-2 04/11/23 22:05

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	990	99.0	80.0-120	

L1603079-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603079-05 04/11/23 22:08 • (MS) R3912097-4 04/11/23 22:13 • (MSD) R3912097-5 04/11/23 22:16

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	1000	U	999	1000	99.9	100	1	75.0-125			0.593	20

Method Blank (MB)

(MB) R3912659-1 04/13/23 02:00

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

Laboratory Control Sample (LCS)

(LCS) R3912659-2 04/13/23 02:03

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

L1603522-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603522-03 04/13/23 02:06 • (MS) R3912659-4 04/13/23 02:11 • (MSD) R3912659-5 04/13/23 02:14

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	5.79	973	986	96.7	98.0	1	75.0-125			1.36	20

Method Blank (MB)

(MB) R3914067-3 04/12/23 14:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	U		28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*77.6*			*60.0-120*

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

(LCS) R3914067-1 04/12/23 12:06 • (LCSD) R3914067-2 04/12/23 12:32

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	4480	4640	89.6	92.8	60.0-120			3.51	20
(S) a,a,a-Trifluorotoluene(FID)				*99.3*	*96.6*	*60.0-120*				

L1603522-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603522-03 04/12/23 16:05 • (MS) R3914067-4 04/12/23 16:58 • (MSD) R3914067-5 04/12/23 17:24

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	239	3950	4370	74.2	82.6	1	70.0-130			10.1	20
(S) a,a,a-Trifluorotoluene(FID)					*96.1*	*86.2*		*50.0-150*				

Method Blank (MB)

(MB) R3912944-3 04/12/23 17:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
Ethylbenzene	U		0.137	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
Trichloroethene	U		0.190	1.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*108*			*80.0-120*
(S) 4-Bromofluorobenzene	*86.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3912944-2 04/12/23 17:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	5.31	106	70.0-123	
1,2-Dichloroethane	5.00	5.44	109	70.0-128	
cis-1,2-Dichloroethene	5.00	5.35	107	73.0-120	
Ethylbenzene	5.00	4.81	96.2	79.0-123	
Tetrachloroethene	5.00	5.27	105	72.0-132	
Toluene	5.00	5.26	105	79.0-120	
Trichloroethene	5.00	4.99	99.8	78.0-124	
1,2,4-Trimethylbenzene	5.00	4.80	96.0	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.08	102	76.0-122	
Vinyl chloride	5.00	4.62	92.4	67.0-131	
Xylenes, Total	15.0	14.5	96.7	79.0-123	
o-Xylene	5.00	4.56	91.2	80.0-122	
m&p-Xylenes	10.0	9.98	99.8	80.0-122	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*86.9*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

L1603522-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603522-03 04/12/23 23:45 • (MS) R3912944-4 04/13/23 04:15 • (MSD) R3912944-5 04/13/23 04:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	4.28	9.92	9.23	113	99.0	1	17.0-158			7.21	27
1,2-Dichloroethane	5.00	4.32	9.81	9.40	110	102	1	29.0-151			4.27	27
cis-1,2-Dichloroethene	5.00	U	6.75	5.98	135	120	1	10.0-160			12.1	27
Ethylbenzene	5.00	36.0	33.5	35.8	0.000	0.000	1	30.0-155	V	V	6.64	27
Tetrachloroethene	5.00	0.546	6.18	5.39	113	96.9	1	10.0-160			13.7	27
Toluene	5.00	U	6.17	5.53	123	111	1	26.0-154			10.9	28
Trichloroethene	5.00	0.628	6.08	5.33	109	94.0	1	10.0-160			13.1	25
1,2,4-Trimethylbenzene	5.00	3.29	9.57	9.00	126	114	1	26.0-154			6.14	27
1,3,5-Trimethylbenzene	5.00	U	6.47	5.66	129	113	1	28.0-153			13.4	27
Vinyl chloride	5.00	U	6.13	5.43	123	109	1	10.0-160			12.1	27
Xylenes, Total	15.0	3.45	21.8	19.8	122	109	1	29.0-154			9.62	28
o-Xylene	5.00	0.214	6.08	5.47	117	105	1	45.0-144			10.6	26
m&p-Xylenes	10.0	3.24	15.7	14.3	125	111	1	43.0-146			9.33	26
(S) Toluene-d8					*101*	*101*		*80.0-120*				
(S) 4-Bromofluorobenzene					*91.9*	*91.7*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*104*	*103*		*70.0-130*				

Method Blank (MB)

(MB) R3912864-2 04/12/23 23:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
Ethylbenzene	U		0.137	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
Trichloroethene	U		0.190	1.00
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3912864-1 04/12/23 22:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.82	96.4	70.0-123	
1,2-Dichloroethane	5.00	5.26	105	70.0-128	
cis-1,2-Dichloroethene	5.00	4.66	93.2	73.0-120	
Ethylbenzene	5.00	4.56	91.2	79.0-123	
Tetrachloroethene	5.00	4.36	87.2	72.0-132	
Toluene	5.00	4.64	92.8	79.0-120	
Trichloroethene	5.00	5.16	103	78.0-124	
1,2,4-Trimethylbenzene	5.00	4.40	88.0	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.46	89.2	76.0-122	
Vinyl chloride	5.00	5.25	105	67.0-131	
Xylenes, Total	15.0	13.4	89.3	79.0-123	
o-Xylene	5.00	4.38	87.6	80.0-122	
m&p-Xylenes	10.0	9.06	90.6	80.0-122	
(S) Toluene-d8			*99.1*	*80.0-120*	
(S) 4-Bromofluorobenzene			*90.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

L1603911-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603911-01 04/13/23 04:04 • (MS) R3912864-3 04/13/23 07:17 • (MSD) R3912864-4 04/13/23 07:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	5.00	U	4.78	4.73	95.6	94.6	1	17.0-158			1.05	27
1,2-Dichloroethane	5.00	U	5.60	5.56	112	111	1	29.0-151			0.717	27
cis-1,2-Dichloroethene	5.00	U	4.41	4.65	88.2	93.0	1	10.0-160			5.30	27
Ethylbenzene	5.00	U	4.83	4.84	96.6	96.8	1	30.0-155			0.207	27
Tetrachloroethene	5.00	U	5.53	4.97	111	99.4	1	10.0-160			10.7	27
Toluene	5.00	U	4.68	4.77	93.6	95.4	1	26.0-154			1.90	28
Trichloroethene	5.00	U	5.10	5.04	102	101	1	10.0-160			1.18	25
1,2,4-Trimethylbenzene	5.00	U	4.45	4.63	89.0	92.6	1	26.0-154			3.96	27
1,3,5-Trimethylbenzene	5.00	U	4.69	4.80	93.8	96.0	1	28.0-153			2.32	27
Vinyl chloride	5.00	U	5.56	5.28	111	106	1	10.0-160			5.17	27
Xylenes, Total	15.0	U	14.0	14.1	93.3	94.0	1	29.0-154			0.712	28
o-Xylene	5.00	U	4.41	4.46	88.2	89.2	1	45.0-144			1.13	26
m&p-Xylenes	10.0	U	9.58	9.59	95.8	95.9	1	43.0-146			0.104	26
(S) Toluene-d8					*98.9*	*96.0*		*80.0-120*				
(S) 4-Bromofluorobenzene					*91.1*	*93.3*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*99.4*	*98.6*		*70.0-130*				

Method Blank (MB)

(MB) R3914161-1 04/14/23 12:59

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

L1603493-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1603493-23 04/14/23 13:47 • (DUP) R3914161-3 04/14/23 13:35

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	U	U	1.01	0.000		20

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

(LCS) R3914161-4 04/14/23 15:35 • (LCSD) R3914161-5 04/14/23 17:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.231	0.220	92.4	88.0	60.0-140			4.88	20

L1603522-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1603522-03 04/14/23 13:24 • (MS) R3914161-2 04/14/23 13:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.100	0.0209	0.160	139	1	64.0-159	

Method Blank (MB)

(MB) R3913157-1 04/13/23 15:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
AK102 DRO C10-C25	270	J	170	800
(S) o-Terphenyl	*91.8*			*60.0-120*

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

(LCS) R3913157-2 04/13/23 16:18 • (LCSD) R3913157-3 04/13/23 16:41

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	5800	5780	96.7	96.3	75.0-125			0.345	20
(S) o-Terphenyl				*99.0*	*98.5*	*60.0-120*				

L1603522-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603522-03 04/13/23 17:04 • (MS) R3913157-4 04/13/23 17:27 • (MSD) R3913157-5 04/13/23 17:50

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	6660	6180	6920	6660	11.1	7.21	1.11	75.0-125	J6	J6	3.83	20
(S) o-Terphenyl					*91.5*	*94.0*		*50.0-150*				

L1603958-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603958-05 04/13/23 19:46 • (MS) R3913157-6 04/13/23 20:10 • (MSD) R3913157-7 04/13/23 20:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
AK102 DRO C10-C25	6660	449	6350	6450	88.6	90.1	1.11	75.0-125			1.56	20
(S) o-Terphenyl					*94.2*	*93.1*		*50.0-150*				

Method Blank (MB)

(MB) R3912502-2 04/11/23 17:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Naphthalene	U		0.128	0.500
1-Methylnaphthalene	U		0.0200	0.500
(S) Nitrobenzene-d5	*70.0*			*11.0-135*
(S) 2-Fluorobiphenyl	*70.5*			*32.0-120*
(S) p-Terphenyl-d14	*95.5*			*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R3912502-1 04/11/23 17:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	2.00	2.35	117	30.0-120	
1-Methylnaphthalene	2.00	1.75	87.5	43.0-120	
(S) Nitrobenzene-d5			*71.5*	*11.0-135*	
(S) 2-Fluorobiphenyl			*76.5*	*32.0-120*	
(S) p-Terphenyl-d14			*97.5*	*23.0-122*	

L1603522-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1603522-03 04/12/23 00:26 • (MS) R3912502-3 04/12/23 00:44 • (MSD) R3912502-4 04/12/23 01:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	2.22	0.505	2.52	2.45	90.8	87.6	1.11	14.0-120			2.82	20
1-Methylnaphthalene	2.22	4.04	5.90	5.73	83.8	76.1	1.11	10.0-145			2.92	24
(S) Nitrobenzene-d5					*86.0*	*86.5*		*11.0-135*				
(S) 2-Fluorobiphenyl					*86.9*	*81.5*		*32.0-120*				
(S) p-Terphenyl-d14					*89.2*	*86.5*		*23.0-122*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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.

L1603522

Tracking Numbers	Temperature
5300 4300 6030	GBAG 3.9+0=3.9
5300 4300 6041	GBAG 2.8+0=2.8

Company Name/Address:
Arcadis - Chevron - AK

880 H St.
Anchorage, AK 99501

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

Pres Chk

Report to:
Gerald Robinson

Email To:
Sydney.Clark@arcadis.com;Gerald.Robinson@ar

Project Description:
97324

City/State Collected: Anchorage, AK

Please Circle: PT MT CT ET (AKST)

Phone: **907-276-8095**

Client Project #
30063667.19.45

Lab Project #
CHEVARCAK-97324

Collected by (print):
E. Wujcik

Site/Facility ID #
4417 LAKE OTIS PKWY,

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	1-MeNaph/Naph8270SIM 100ml Amb-NoPres	8260 BTEX/124,135TMB 40mlAmb-HCl	8260 EDC 40mlAmb-HCl	8260 PCE/TCE/cis12DC 40mlAmb-HCl	8260 VC 40mlAmb-HCl	AK101 40mlAmb HCl	AK102 100ml Amb HCl	EDB 8011 40mlClr-NaThio	Total Lead 6010 250mlHDPE-HNO3	42	Remarks	Sample # (lab only)
MW-1R-W-20230407	Grab	GW	-	4.7.23	0800	4			X	X					X		Cooler 1	-01
MW-8RR-W-20230407	↓	GW	-	↓	0900	7			X	X				X	X		↓	-02
MW-2R-W-20230407		GW	-		1000	42	X	X	X			X	X	X	X		MS/MSD	Cooler 2_03
MW-9-W-20230407		GW	-		1100	4			X	X	X				X		Cooler 1	-04
BD-1-W-20230407		GW	-		-	14	X	X	X			X	X	X	X		Cooler 2	-05
EQB-1-W-20230407	↓	GW	-	↓	1200	14	X	X				X	X	X	X		Cooler 1	-06
Trip Blank 1	-	GW	-	-	-	4		X	X	X	X						↓	-07
Trip Blank 2	-	GW	-	-	-	4		X	X	X	X						Cooler 2	-08

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

SDG # L1603522
D176

Acctnum: **CHEVARCAK**
Template: **T227312**
Prelogin: **P990120**
PM: **110 - Brian Ford**
PB:

Shipped Via:

Remarks | Sample # (lab only)

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS X FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4.7.23	1300	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Kayce J @

Trip Blank Received: Yes / No
HCL / MeoH
TBR
8 8

Temp: °C Bottles Received: 85

Date: 4/8/23 Time: 915

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

L1603522

Tracking Numbers	Temperature
5300 4300 6030	GIBAG 3.9+0=3.9
5300 4300 6041	GIBAG 2.8+0=2.8

Attachment C

Historical Groundwater Analytical Results – Third Quarter 2003 through 2022

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-1	02/01/92	--	--	--	--	--	**0.25**	**0.2**	**5.1**	**0.14**	--	--	Sample date accurate to month and year only
MW-1	05/01/92	99.13	23.38	75.75	--	--	**0.19**	**0.18**	**0.4**	**0.13**	--	--	Sample date accurate to month and year only
MW-1	09/01/92	99.13	23.56	75.57	--	--	**0.23**	**0.2**	**3.3**	**0.1**	--	--	Sample date accurate to month and year only
MW-1	11/01/92	99.13	23.55	75.58	--	--	**0.23**	**0.27**	**0.3**	**0.11**	--	--	Sample date accurate to month and year only
MW-1	05/01/93	99.13	23.87	75.26	--	--	**2.0**	**33.0**	**4.4**	**15.0**	--	--	Sample date accurate to month and year only
MW-1	08/01/93	99.13	23.84	75.29	--	--	**17.0**	**40.0**	**4.5**	**16.0**	--	--	Sample date accurate to month and year only
MW-1	11/01/93	99.13	23.83	75.30	--	--	**2.4**	**6.6**	**8.4**	**31.0**	--	--	Sample date accurate to month and year only
MW-1	03/01/94	99.13	23.68	75.45	--	--	**10.0**	**35.0**	**4.2**	**14.0**	--	--	Sample date accurate to month and year only
MW-1	06/01/94	99.13	23.60	75.53	--	--	**11.0**	**47.0**	**4.8**	**17.0**	--	--	Sample date accurate to month and year only
MW-1	08/01/94	99.13	24.09	75.04	--	--	**11.0**	**34.0**	**4.7**	**18.0**	--	--	Sample date accurate to month and year only
MW-1	12/22/94	99.13	23.83	75.30	--	--	**13.0**	**31.0**	**3.6**	**11.0**	--	--	
MW-1	03/31/95	99.13	23.72	75.41	--	--	**11.0**	**22.0**	**4.2**	**12.0**	--	--	
MW-1	06/20/95	99.13	23.39	75.74	--	--	**7.9**	**20.0**	**3.1**	**9.4**	--	--	
MW-1	08/23/95	99.13	23.67	75.46	--	--	**8.4**	**22.0**	**3.2**	**11.0**	--	--	
MW-1	11/16/95	99.13	23.68	75.45	--	--	**7.2**	**17.0**	**3.0**	**9.3**	--	--	
MW-1	01/30/96	99.13	23.92	75.21	--	--	**10.0 / 11.0**	**26.0 / 26.0**	**3.9 / 3.8**	**12.0 / 11.0**	--	--	
MW-1	06/02/96	99.13	23.62	75.51	--	--	**8.91**	**24.4**	**3.59**	**12.8**	--	--	
MW-1	08/26/96	99.13	24.06	75.07	--	--	**8.75**	**29.3**	**3.49**	**14.0**	--	--	
MW-1	10/16/96	99.13	24.59	74.54	--	--	**9.34**	**30.2**	**4.02**	**15.1**	--	--	
MW-1	04/28/97	99.13	23.96	75.17	--	--	**8.2**	**21.9**	**3.98**	**16.9**	--	--	
MW-1	09/10/97	99.13	23.31	75.82	--	--	**4.43 / 4.38**	**18.7 / 17.6**	**2.84 / 2.82**	**11.2 / 10.8**	--	--	
MW-1	04/19/98	99.13	22.90	76.23	--	--	**3.86**	**17.3**	**3.44**	**12.9**	--	--	
MW-1	09/23/98	99.13	23.19	75.94	--	--	**2.92 / 3.06**	**9.96 / 10.5**	**2.29 / 2.46**	**7.0 / 7.49**	--	--	
MW-1	04/28/99	99.13	23.68	75.45	--	--	**1.22 / 1.24**	**4.86 / 4.86**	**1.96 / 1.96**	**5.96 / 5.89**	<0.5 / <0.5	--	
MW-1	05/05/01	99.13	24.38	74.75	--	--	**0.576**	**4.92**	**1.83**	**7.1**	<0.5 / 0.005	--	
MW-1	08/02/01	99.13	23.81	75.32	**0.123**	**71.3**	**3.41**	**8.37**	**3.32**	**8.79**	--	--	Sample date defaulted to first date listed in historical data table
MW-1	10/02/01	99.13	24.12	75.01	--	--	**0.19**	**17.6 / 18.5**	**3.92**	**17.3 / 17.5**	**51.9 /** <0.005	--	
MW-1	05/01/02	161.02	24.14	136.88	--	--	**0.355**	**5.66**	**4.24**	**20.4**	**42.8 /** <0.005	--	
MW-1	09/20/02	161.02	24.00	137.02	--	--	**0.231**	**2.28**	**1.4**	**5.09**	<0.05 / <0.002	--	
MW-1	05/20/03	161.02	24.47	136.55	--	--	**0.91**	**4.3**	**2.6**	**8.4**	**0.003**	--	
MW-1	10/02/03	161.02	24.25	136.77	--	--	**0.56**	**4.7**	**2.3**	**8.2**	<0.005	--	
MW-1	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-1R	09/24/06	160.69	23.20	137.49	**8.3**	**49.0**	**0.14**	**0.46**	**2.1**	**13.1**	--	--	
MW-1R	05/14/07	160.69	23.68	137.01	**4.0**	**42.0**	**0.5**	**1.4**	**2.3**	**8.6**	<0.001	--	
MW-1R	09/21/07	160.69	23.61	137.08	**4.9**	**30.0**	**0.2**	**0.94**	**1.5**	**6.4**	--	--	
MW-1R	05/01/08	160.69	23.77	136.92	**3.92**	**53.2**	**0.43**	**3.88**	**3.46**	**14.4**	--	--	
MW-1R	07/15/08	160.69	23.59	137.10	**5.50**	**65.0**	**0.32**	**5.20**	**2.40**	**11.90**	--	--	
MW-1R	05/14/09	160.69	23.69	137.00	**3.8 / 3.9**	**50 / 47**	**0.14 / 0.13**	**1.7 / 1.9**	**2.5 / 2.6**	**12.5 / 11.3**	--	--	
MW-1R	08/26/09	160.69	23.93	136.76	**4.9 J / 4.4 J**	**53 / 51**	**0.23 / 0.23**	**3.9 / 3.8**	**2.7 / 2.7**	**11.7/11.7**	--	--	
MW-1R	06/15/10	160.69	23.66	137.03	**4.6 J / 4.5 J**	**43 / 38**	**0.13 J / 0.083 J**	**1.9 J / 1.2 J**	**2.2 / 2.4**	**9.7 / 11.8**	--	--	
MW-1R	09/05/10	160.69	23.66	137.03	**5.6 / 5.4**	**48 / 47**	**0.070 / 0.068**	**1.2 / 1.1**	**2.7 / 2.1**	**12.3 / 10.3**	--	--	
MW-1R	05/24/11	160.69	24.08	136.61	**2.2**	**6.1**	**0.066**	**0.005**	**0.49**	**0.71**	--	--	
MW-1R	11/10/11	160.69	23.92	136.77	**2.4 / 2.6**	**0.83 J / 0.80 J**	<0.0005 / <0.0005	<0.0005 / <0.0005	**0.004 J / 0.0005 J**	**0.012 J / 0.001 J**	--	--	Car parked over well
MW-1R	06/20/12	160.69	23.35	137.34	**2.3 / 1.7**	**0.070 J / 0.055 J**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	0.0006 J / <0.0005	--	--	
MW-1R	11/05/12	160.69	22.70	137.99	**0.31 J / 0.47 J**	**0.012 J / 0.019 J**	<0.0005 / <0.0005	<0.0005 / 0.0005 J	<0.0005 / <0.0005	**0.0018 J / 0.0016 J**	--	--	
MW-1R	04/30/13	160.69	23.76	136.93	**1.2 / 1.1**	**5.1 / 3.7**	**0.0131 / 0.0115**	**0.0022 / 0.0021**	**0.686 / 0.668**	**0.361 / 0.336**	--	--	
MW-1R	04/30/13	160.69	23.76	136.93	**0.93 / 1.4**	**5.6 / 3.4**	**0.0112 / 0.0116**	**0.0028 / 0.0018**	**0.779 J / 0.36 J**	**0.459 / 0.281**	--	--	Collected via hydrasleeve
MW-1R	11/07/13	160.69	23.02	137.67	--	--	--	--	--	--	--	--	
MW-1R	11/08/13	--	--	--	**2.6 / 2.6**	**7.9 / 8.7**	**0.021 / 0.018**	**0.0043 J / 0.0065**	**0.57 / 0.76**	**0.85 J / 1.5 J**	--	--	
MW-1R	04/28/14	160.69	23.47	137.22	**1.9 / 1.7**	**8.7 / 9.8**	**0.017 / 0.017**	**0.0043 / 0.0039**	**0.86 / 0.85**	**1.5 / 1.4**	--	--	
MW-1R	04/28/14	160.69	23.47	137.22	**1.7 / 1.9**	**5.2 J / 8.8 J**	**0.014 / 0.017**	**0.0042 J / 0.0033**	**0.72 / 0.98**	**1.3 / 2.0**	--	--	Collected via hydrasleeve
MW-1R	11/07/14	160.69	23.88	136.81	**1.8/2.0**	**5.8/5.5**	**0.0076/0.0070**	**0.0040 J/0.0043 J**	**0.38/0.36**	**0.65/0.60**	--	--	
MW-1R	04/29/15	160.69	24.26	136.43	**0.31**	**0.025 J**	<0.0005	<0.0005	**0.002**	**0.001**	--	--	
MW-1R	11/06/15	160.69	23.42	137.27	**0.42**	<0.010	<0.001	<0.001	<0.001	<0.001	--	--	
MW-1R	04/21/16	160.69	24.11	136.58	**0.66**	**0.039 J**	**0.003**	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	11/01/16	160.69	23.72	136.97	**0.27 J**	**0.015 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	05/01/17	160.69	23.59	137.10	**0.085 J**	**0.013 J**	**0.0006 J**	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	10/17/17	160.69	23.49	137.20	**0.069 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	04/27/18	160.69	23.84	136.85	**0.24 J**	**0.017 J**	**0.0007 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-1R	10/18/18	160.69	23.80	136.89	**0.069 J**	<0.014	<0.0002	<0.0002	<0.0002	<0.0005	-	--	
MW-1R	04/09/19	167.56	23.63[2]	143.93	<0.28 B [<0.25 B]	<0.014 [<0.014]	**0.001 [0.001]**	<0.0002 [<0.0002]	<0.0004 [<0.0004]	<0.001 [<0.001]	<0.0002 [<0.0002]	<0.001 [<0.001]	TPH-d Non detect reported to LOQ
MW-1R	09/11/19	167.56	24.21	143.35	**0.16**	<0.100	**0.0022**	<0.00039	<0.00050	<0.00114	<0.00044	**0.000026 J*B**	TPH-d Non detect reported to LOQ
MW-1R	04/22/20	167.56	23.73	143.83	--	--	--	--	--	--	--	--	Well obstructed by ice, could not sample
MW-1R	10/09/20	167.56	23.86	143.70	<0.832	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	Well obstructed by ice, could not sample
MW-1R	08/26/21	167.56	23.77	143.79	<0.800 B	<0.100 B	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-1R	04/04/22	167.56	23.85	143.71	<0.8	<0.1 J	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100 J	***<0.00500 J***	
													Car parked over well
MW-2R	09/24/06	161.29	23.76	137.53	**4.2**	**47.0**	**0.36**	**4.3**	**2.1**	**10.7**	--	--	
MW-2R	05/14/07	161.29	24.24	137.05	**2.8 / 4.90**	**28.0 / 28.0**	**0.19 / 0.18**	**0.39 / 0.35**	**1.5 / 1.5**	**6.8 / 6.5**	<0.001 / <0.001	--	
MW-2R	09/21/07	161.29	24.28	137.01	**4.0**	**24.0**	**0.08**	**0.14**	**0.88**	**5.7**	--	--	
MW-2R	05/01/08	161.29	24.38	136.91	**5.25 / 7.51**	**25.2 / 23.7**	**0.121 / 0.109**	<0.05 / 0.051	**1.99 / 1.92**	**6.2 / 6.6**	--	--	
MW-2R	07/15/08	161.29	24.23	137.06	**6.40 / 6.40**	**18.0 / 10.0**	**0.095 / 0.095**	**0.069 / 0.079**	**1.3 / 1.3**	**5.70 / 5.20**	--	--	
MW-2R	05/14/09	161.29	24.34	136.95	**5.0**	**26**	**0.059**	**0.031**	**1.3**	**4.7**	--	--	
MW-2R	08/26/09	161.29	24.61	136.68	**4.1 J**	**21**	**0.077**	**0.049**	**1.1**	**4.0**	--	--	
MW-2R	06/15/10	161.29	24.29	137.00	**5.4**	**8.8**	**0.026**	**0.011**	**0.32**	**1.46**	--	--	
MW-2R	09/05/10	161.29	24.32	136.97	**6.0**	**7.9**	**0.017**	**0.008**	**0.67**	**3.06**	--	--	
MW-2R	05/24/11	161.29	24.78	136.51	**4.8 / 4.8**	**13 / 13**	**0.031 / 0.029**	**0.015 / 0.014**	**0.76 / 0.76**	**2.6 / 2.6**	--	--	
MW-2R	11/10/11	161.29	24.63	136.66	**0.85**	**0.071 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-2R	06/20/12	161.29	24.06	137.23	**1.2**	**0.030 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-2R	11/05/12	161.29	23.38	137.91	--	--	--	--	--	--	--	--	
MW-2R	11/08/12	--	--	--	**0.37**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-2R	04/30/13	161.29	24.48	136.81	**1.2**	**2.3**	**0.0105**	**0.0016**	**0.0406**	**0.469**	--	--	
MW-2R	04/30/13	161.29	24.48	136.81	**1.3**	**1.5**	**0.0057**	**0.00096 J**	**0.0015**	**0.283**	--	--	Collected via hydrasleeve
MW-2R	11/07/13	161.29	23.67	137.62	--	--	--	--	--	--	--	--	
MW-2R	11/08/13	--	--	--	**1.7**	**0.49**	**0.00084 J**	<0.00023	<0.00024	**0.0047**	--	--	
MW-2R	04/28/14	161.29	24.11	137.18	**1.7**	**4.5**	**0.012**	**0.0021**	**0.37**	**0.64**	--	--	
MW-2R	04/28/14	161.29	24.11	137.18	**0.88**	**0.39**	**0.0018**	**0.00020 J**	**0.030**	**0.037**	--	--	Collected via hydrasleeve
MW-2R	11/07/14	161.29	24.55	136.74	**1.7**	**5.1**	**0.0068**	<0.0017 J	**0.25**	**0.37**	--	--	
MW-2R	04/29/15	161.29	24.85	136.44	**0.34 / 0.40**	**0.011 J / 0.013 J**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	--	--	
MW-2R	11/06/15	161.29	24.12	137.17	**0.99 J / 0.63 J**	<0.010 / <0.010	<0.001 / <0.003	<0.001 / <0.003	<0.001 / <0.003	<0.001 / <0.003	--	--	
MW-2R	04/21/16	161.29	24.79	136.50	**2.7 / 2.6**	**2.2 / 2.2**	**0.01 / 0.009 J**	0.0009 J / <0.005	**0.15 / 0.12**	**0.231 / 0.18**	--	--	
MW-2R	11/01/16	161.29	24.45	136.84	**2.5 J / 2.3 J**	**2.8 J / 2.9 J**	**0.010 / 0.010**	**0.001 J / 0.001 J**	**0.14 / 0.14**	**0.272 / 0.272**	--	--	
MW-2R	05/01/17	161.29	24.30	136.99	**0.87 / 0.84**	**0.82 / 0.82**	**0.006 / 0.006**	<0.0005 / <0.0005	**0.078 / 0.084**	**0.046 / 0.054**	--	--	
MW-2R	10/17/17	161.29	24.18	137.11	**1.5 J / 1.5 J**	**2.0 / 2.1**	**0.009 / 0.01**	<0.0005 /< 0.0005	**0.16 / 0.16**	**0.153 / 0.153**	--	--	
MW-2R	04/27/18	161.29	24.55	136.74	**1.4 / 1.3**	**1.4 / 1.4**	**0.007 / 0.006**	**0.0006 J / 0.0005 J**	**0.14 / 0.13**	**0.12 / 0.11**	<0.0005 / <0.0005	--	
MW-2R	10/18/18	161.29	24.53	136.76	**0.38 / 0.35**	<0.014 / <0.014	<0.0002 / <0.0002	<0.0002 / <0.0002	<0.0002 / <0.0002	<0.0005 / <0.0005	-	--	
MW-2R	04/09/19	168.25	24.35[2]	143.90	**1.2**	**0.025 J**	**0.004**	<0.0002	**0.0005 J**	<0.001	<0.0002	<0.001	
MW-2R	09/11/19	168.25	24.93	143.32	**0.67**	**0.25**	**0.005**	<0.00039	**0.016**	**0.0020 J**	<0.00044	**0.0062 *B**	
MW-2R	04/22/20	168.25	24.46	143.79	**0.938**	**0.207**	**0.00324**	<0.00100	**0.00921**	<0.00300	<0.00100	***<0.00500***	
MW-2R	10/09/20	168.25	24.55	143.70	**1.90 [1.89]**	**0.924 [0.867]**	**0.00905 [0.00881]**	**0.00236 [0.00232]**	**0.113 [0.107]**	**0.0793 [0.0767]**	<0.00100 [<0.00100]	**0.0222 J [0.0248 J]**	
MW-2R	08/26/21	168.25	24.48	143.77	**2.62 [1.9]**	**3.01 [3.06]**	**0.0105 [0.0105]**	**0.0026 [0.00248]**	**0.113 [0.106]**	**0.114 [0.106]**	<0.00100 [<0.00100]	**0.0624 [0.0633]**	
MW-2R	04/04/22	168.25	24.58	143.67	**1.61 [1.61]**	**1.22 [1.36]**	**0.00629 [0.00654]**	**0.00132 [0.00161]**	**0.0723 [0.087]**	**0.0227 [0.0294]**	**<0.00100 J [<0.00100 J]**	**0.0310 J [0.0315 J]**	
MW-3	02/01/92	--	--	--	--	--	**0.006**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	05/01/92	98.64	22.87	75.77	--	--	**0.006**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	09/01/92	98.64	23.12	75.52	--	--	**0.21**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	11/01/92	98.64	23.10	75.54	--	--	**0.012**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	05/01/93	98.64	23.45	75.19	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	08/01/93	98.64	23.35	75.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	11/01/93	98.64	23.21	75.43	--	--	ND	**0.042**	ND	ND	--	--	Sample date accurate to month and year only
MW-3	03/01/94	98.64	23.16	75.48	--	--	ND	ND	ND	**0.005**	--	--	Sample date accurate to month and year only
MW-3	06/01/94	98.64	23.49	75.15	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	08/01/94	98.64	23.65	74.99	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	12/22/94	98.64	23.42	75.22	--	--	ND	ND	ND	ND	--	--	
MW-3	04/10/95	98.64	--	--	--	--	ND	ND	ND	ND	--	--	
MW-3	06/20/95	98.64	22.95	75.69	--	--	ND	ND	ND	ND	--	--	
MW-3	06/21/95	98.64	--	--	--	--	--	--	--	--	--	--	
MW-3	08/23/95	98.64	23.19	75.45	--	--	ND	ND	ND	ND	--	--	
MW-3	11/16/95	98.64	23.23	75.41	--	--	ND	ND	ND	ND	--	--	
MW-3	01/30/96	98.64	23.48	75.16	--	--	ND	ND	ND	ND	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-3	06/02/96	98.64	23.22	75.42	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	08/26/96	98.64	23.56	75.08	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	10/16/96	98.64	24.05	74.59	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	04/28/97	98.64	23.73	74.91	--	--	<0.0005	**0.00111**	<0.0005	**0.00169**	--	--	
MW-3	09/10/97	98.64	22.96	75.68	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	04/19/98	98.64	23.55	75.09	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-3	09/23/98	98.64	22.90	75.74	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	04/28/99	98.64	23.24	75.40	--	--	**0.00089**	<0.0005	<0.0005	<0.0005	<0.01	--	
MW-3	10/13/99	98.64	23.22	75.42	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-3	05/19/00	98.64	23.60	75.04	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-3	09/27/00	98.64	23.52	75.12	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-3	05/05/01	98.64	23.88	74.76	--	--	**0.000656**	<0.0005	<0.0005	<0.001	<0.005	--	
MW-3	08/02/01	98.64	23.36	75.28	**0.00136**	<0.05	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-3	10/02/01	98.64	23.72	74.92	--	--	**0.0011 / 0.000854**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	<0.001 / <0.001	--	
MW-3	05/01/02	160.51	23.72	136.79	--	--	**0.099 / 0.286**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	<0.001 / <0.001	--	
MW-3	09/20/03	160.51	23.55	136.96	--	--	**0.000709**	<0.0005	<0.0005	<0.001	<0.001	--	
MW-3	05/20/03	160.51	24.02	136.49	--	--	**0.0006 / 0.0006**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.002 / <0.002	--	Sample date defaulted to first date listed in historical data table
MW-3	10/02/03	160.51	23.84	136.67	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	
MW-3	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-4	02/01/92	--	--	--	--	--	**0.032**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	05/01/92	98.45	21.72	76.73	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-4	09/01/92	98.45	22.89	75.56	--	--	**0.005**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	11/01/92	98.45	22.85	75.60	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-4	05/01/93	98.45	23.18	75.27	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	08/01/93	98.45	23.17	75.28	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	11/01/93	98.45	23.02	75.43	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	03/01/94	98.45	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	06/01/94	98.45	23.24	75.21	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	08/01/94	98.45	23.43	75.02	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	12/22/94	98.45	--	--	--	--	--	--	--	--	--	--	
MW-4	03/31/95	98.45	--	--	--	--	--	--	--	--	--	--	
MW-4	06/20/95	98.45	22.70	75.75	--	--	ND	ND	ND	ND	--	--	
MW-4	08/23/95	98.45	22.99	75.46	--	--	ND	ND	ND	ND	--	--	
MW-4	11/16/95	98.45	23.02	75.43	--	--	ND	ND	ND	ND	--	--	
MW-4	01/30/96	98.45	23.25	75.20	--	--	ND	ND	ND	ND	--	--	
MW-4	06/02/96	98.45	22.97	75.48	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	08/26/96	98.45	23.37	75.08	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-4	04/28/97	98.45	23.52	74.93	--	--	<0.0005	**0.00166**	<0.0005	**0.00159**	--	--	
MW-4	09/10/97	98.45	22.74	75.71	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	04/19/98	98.45	23.30	75.15	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	09/23/98	98.45	22.68	75.77	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	05/02/99	98.45	23.10	75.35	--	--	<0.0005	<0.0005	<0.0005	<0.0005	**0.626 / <0.005**	--	
MW-4	10/13/99	98.45	23.02	75.43	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-4	05/19/00	98.45	23.39	75.06	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-4	09/27/00	98.45	23.32	75.13	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-4	05/05/01	98.45	23.71	74.74	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-4	08/02/01	98.45	23.14	75.31	**0.00106**	<0.05	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-4	10/02/01	98.45	23.54	74.91	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-4	05/01/02	160.30	--	--	--	--	--	--	--	--	--	--	
MW-4	09/20/02	160.30	23.39	136.91	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-4	05/20/03	160.30	23.80	136.50	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	Sample date defaulted to first date listed in historical data table
MW-4	10/02/03	160.30	23.59	136.71	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	
MW-4	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-5	02/01/92	--	--	--	--	--	**7.2**	**4.8**	**2.0**	**2.9**	--	--	Sample date accurate to month and year only
MW-5	05/01/92	99.13	22.50	76.63	--	--	**2.5**	**0.14**	**0.05**	**1.8**	--	--	Sample date accurate to month and year only
MW-5	09/01/92	99.13	23.57	75.56	--	--	**5.9**	**6.5**	**2.4**	**5.3**	--	--	Sample date accurate to month and year only
MW-5	11/01/92	99.13	22.53	76.60	--	--	**1.3**	**0.59**	**0.48**	**1.7**	--	--	Sample date accurate to month and year only
MW-5	05/01/93	99.13	23.86	75.27	--	--	**0.066**	ND	**0.032**	**0.005**	--	--	Sample date accurate to month and year only
MW-5	08/01/93	99.13	23.85	75.28	--	--	**0.058**	ND	**0.005**	ND	--	--	Sample date accurate to month and year only

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-5	11/01/93	99.13	23.70	75.43	--	--	**0.006**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	03/01/94	99.13	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	06/01/94	99.13	23.89	75.24	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	08/01/94	99.13	24.14	74.99	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	12/22/94	99.13	--	--	--	--	--	--	--	--	--	--	
MW-5	03/31/95	99.13	--	--	--	--	--	--	--	--	--	--	
MW-5	06/20/95	99.13	23.40	75.73	--	--	ND	ND	ND	ND	--	--	
MW-5	08/23/95	99.13	23.70	75.43	--	--	ND	ND	ND	ND	--	--	
MW-5	11/16/95	99.13	23.71	75.42	--	--	ND	ND	ND	ND	--	--	
MW-5	01/30/96	99.13	23.95	75.18	--	--	ND	ND	ND	ND	--	--	
MW-5	06/02/96	99.13	23.63	75.50	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	08/26/96	99.13	24.19	74.94	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	10/16/96	99.13	24.66	74.47	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	04/28/97	99.13	24.24	74.89	--	--	**0.000617**	**0.000756**	<0.0005	<0.001	--	--	
MW-5	09/10/97	99.13	23.43	75.70	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	04/19/98	99.13	24.00	75.13	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	09/23/98	99.13	23.20	75.93	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	04/28/99	99.13	23.67	75.46	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	--	
MW-5	10/13/99	99.13	23.72	75.41	--	--	<0.0005	**0.00139**	<0.0005	<0.0005	<0.005	--	
MW-5	05/19/00	99.13	24.08	75.05	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-5	09/27/00	99.13	23.95	75.18	--	--	--	--	--	--	--	--	
MW-5	05/05/01	99.13	--	--	--	--	--	--	--	--	--	--	
MW-5	08/02/01	99.13	23.84	75.29	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-5	10/02/01	99.13	--	--	--	--	--	--	--	--	--	--	
MW-5	05/01/02	161.01	24.10	136.91	--	--	--	--	--	--	--	--	
MW-5	09/20/02	161.01	24.09	136.92	--	--	--	--	--	--	--	--	
MW-5	05/20/03	161.01	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-5	10/02/03	161.01	24.23	136.78	--	--	--	--	--	--	--	--	
MW-5	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-6	02/01/92	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-6	05/01/92	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-6	09/01/92	--	--	75.22	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-6	08/01/93	--	--	-	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-6	11/01/93	--	--	75.29	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-6	08/02/01	--	23.98	--	**0.00025**	<0.05	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-6	09/21/01	161.14	--	--	--	--	--	--	--	--	--	--	
MW-6	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-7	02/01/92	97.82	--	--	--	--	**0.047**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	05/01/92	97.82	22.06	75.76	--	--	ND	ND	ND	**0.006**	--	--	Sample date accurate to month and year only
MW-7	09/01/92	97.82	22.36	75.46	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	11/01/92	97.82	22.41	75.41	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	05/01/93	97.82	22.75	75.07	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	08/01/93	97.82	22.64	75.18	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	11/01/93	97.82	22.49	75.33	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	03/01/94	97.82	22.43	75.39	--	--	ND	**0.011**	ND	**0.093**	--	--	Sample date accurate to month and year only
MW-7	06/01/94	97.82	22.79	75.03	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	08/01/94	97.82	22.88	74.94	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	12/22/94	97.82	22.72	75.10	--	--	ND	ND	ND	**0.0026**	--	--	
MW-7	03/31/95	97.82	--	--	--	--	--	--	--	--	--	--	
MW-7	06/20/95	97.82	22.27	75.55	--	--	ND	ND	ND	ND	--	--	
MW-7	08/23/95	97.82	22.46	75.36	--	--	**0.00073**	ND	ND	**0.00073**	--	--	
MW-7	11/16/95	97.82	22.60	75.22	--	--	**0.00051**	ND	ND	**0.0024**	--	--	
MW-7	01/30/96	97.82	22.75	75.07	--	--	ND	ND	ND	**0.0017**	--	--	
MW-7	06/02/96	97.82	--	--	--	--	--	--	--	--	--	--	
MW-7	08/26/96	97.82	22.78	75.04	--	--	<0.0005	<0.0005	**0.00059**	**0.0083**	--	--	
MW-7	10/16/96	97.82	23.44	74.38	--	--	<0.0005	<0.0005	**0.001**	**0.0063**	--	--	
MW-7	04/28/97	97.82	23.08	74.74	--	--	--	--	--	--	--	--	
MW-7	09/10/97	97.82	22.36	75.46	--	--	**0.0017**	<0.0005	<0.0005	**0.00294**	--	--	
MW-7	04/19/98	97.82	22.90	74.92	--	--	<0.0005	<0.0005	<0.005	<0.002	--	--	

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Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-7	09/23/98	97.82	22.12	75.70	--	--	**0.000731**	<0.0005	**0.00568**	<0.0015	--	--	
MW-7	04/28/99	97.82	22.71	75.11	--	--	**0.00091**	**0.00078**	**0.00197**	**0.00104**	<0.01	--	
MW-7	10/13/99	97.82	22.64	75.18	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-7	05/19/00	97.82	22.99	74.83	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-7	09/27/00	97.82	22.98	74.84	--	--	<0.0005	<0.0005	**0.00619**	<0.002	<0.005	--	
MW-7	05/05/01	97.82	23.29	74.53	--	--	<0.0005	<0.0005	**0.0006**	<0.001	<0.005	--	
MW-7	08/02/01	97.82	22.75	75.07	**0.00211**	**0.0654**	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-7	10/02/01	97.82	23.14	74.68	--	--	<0.0005	<0.0005	**0.00109**	<0.001	<0.001	--	
MW-7	05/01/02	159.86	23.09	136.77	--	--	<0.0005	<0.0005	<0.0005	**0.00127**	<0.001	--	
MW-7	09/20/02	159.86	22.95	136.91	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-7	05/20/03	159.86	23.44	136.42	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	--	Sample date defaulted to first date listed in historical data table
MW-7	10/02/03	159.86	23.30	136.56	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-7	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-8	02/01/92	--	--	--	--	--	**0.16**	**0.28**	**3.4**	**0.12**	--	--	Sample date accurate to month and year only
MW-8	05/01/92	98.09	22.24	75.85	--	--	**0.11**	**0.2**	**2.3**	**9.9**	--	--	Sample date accurate to month and year only
MW-8	09/01/92	98.09	22.43	75.66	--	--	**0.13**	**0.26**	**2.6**	**0.11**	--	--	Sample date accurate to month and year only
MW-8	11/01/92	98.09	22.50	75.59	--	--	**0.9**	**0.17**	**1.3**	**7.5**	--	--	Sample date accurate to month and year only
MW-8	05/01/93	98.09	22.84	75.25	--	--	**9.3**	**23.0**	**1.8**	**8.5**	--	--	Sample date accurate to month and year only
MW-8	08/01/93	98.09	22.80	75.29	--	--	**11.0**	**25.0**	**1.7**	**12.0**	--	--	Sample date accurate to month and year only
MW-8	11/01/93	98.09	22.54	75.55	--	--	**9.7**	**26.0**	**2.0**	**14.0**	--	--	Sample date accurate to month and year only
MW-8	03/01/94	98.09	22.43	75.66	--	--	**6.4**	**25.0**	**1.8**	**13.0**	--	--	Sample date accurate to month and year only
MW-8	06/01/94	98.09	22.43	75.66	--	--	**10.0**	**33.0**	**2.9**	**22.0**	--	--	Sample date accurate to month and year only
MW-8	08/01/94	98.09	22.92	75.17	--	--	**8.4**	**39.0**	**2.7**	**19.0**	--	--	Sample date accurate to month and year only
MW-8	12/22/94	98.09	22.74	75.35	--	--	**3.9**	**13.0**	**0.8**	**12.0**	--	--	
MW-8	03/31/95	98.09	22.76	75.33	--	--	**4.8**	**13.0**	**1.4**	**9.6**	--	--	
MW-8	06/20/95	98.09	22.32	75.77	--	--	**4.1**	**20.0**	**1.3**	**15.0**	--	--	
MW-8	08/23/95	98.09	22.51	75.58	--	--	**3.6**	**21.0**	**1.9**	**20.0**	--	--	
MW-8	11/16/95	98.09	22.59	75.50	--	--	**3.2**	**18.0**	**1.7**	**16.0**	--	--	
MW-8	01/30/96	98.09	22.71	75.38	--	--	**3.4**	**23.0**	**2.0**	**20.0**	--	--	
MW-8	06/02/96	98.09	22.57	75.52	--	--	**3.4**	**15.9**	**1.47**	**12.7**	--	--	
MW-8	08/26/96	98.09	22.75	75.34	--	--	**2.43 / 2.86**	**16.8 / 18.8**	**1.44 / 1.63**	**18.4 / 20.5**	--	--	
MW-8	10/16/96	98.09	23.42	74.67	--	--	**6.79**	**24.3**	**2.04**	**15.1**	--	--	
MW-8	04/28/97	98.09	23.14	74.95	--	--	**4.27 / 4.54**	**9.78 / 13.9**	**1.29 / 1.37**	**8.56 / 9.29**	--	--	
MW-8	09/10/97	98.09	22.43	75.66	--	--	**2.35**	**6.52**	**0.814**	**7.48**	--	--	
MW-8	04/19/98	98.09	22.93	75.16	--	--	**1.14**	**6.79**	**0.571**	**12.9**	--	--	
MW-8	09/23/98	98.09	22.36	75.73	--	--	**0.683**	**4.2**	**0.539**	**9.23**	--	--	
MW-8	09/21/01	159.68	--	--	--	--	--	--	--	--	--	--	
MW-8R	09/24/06	159.71	22.06	137.65	**2.3**	**22.0**	**0.075**	**1.8**	**0.72**	**4.1**	--	--	
MW-8R	05/14/07	159.71	22.57	137.14	**4.1**	**49.0**	**0.16**	**4.5**	**2.1**	**10.0**	<0.001	--	
MW-8R	09/21/07	159.71	22.60	137.11	**4.9**	**57.0**	**0.12**	**7.4**	**1.8**	**11.0**	--	--	
MW-8R	05/01/08	159.71	22.79	136.92	**3.67**	**55.6**	**0.128**	**3.59**	**3.0**	**14.9**	--	--	
MW-8R	07/15/08	159.71	22.49	137.22	**5.30**	**18.0**	**0.060**	**4.6**	**2.1**	**12.50**	--	--	
MW-8R	05/14/09	159.71	22.71	137.00	**4.1**	**51**	**0.079**	**3.9**	**2.4**	**12.0**	--	--	
MW-8R	08/26/09	159.71	22.90	136.81	**3.3 J**	**49**	**0.072**	**2.9**	**2.0**	**11.4**	--	--	
MW-8R	04/20/10	159.71	22.89	136.82	**6.7 / 6.4**	**40 J / 18 J**	**0.017 J / 0.017 J**	**0.50 / 0.51**	**1.1 / 1.2**	**6.3 / 6.7**	--	--	
MW-8RR	07/26/11	159.55	22.84	136.71	**6.7**	**17**	**0.15**	**2.1**	**0.49**	**3.4**	--	--	
MW-8RR	11/10/11	159.55	22.80	136.75	**0.78**	**0.030 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	06/20/12	159.55	22.21	137.34	**0.56**	**0.019 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	11/05/12	159.55	21.57	137.98	--	--	--	--	--	--	--	--	
MW-8RR	11/08/12	159.55	--	--	**0.22 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	04/30/13	159.55	22.61	136.94	<0.56	**0.048 J**	**0.0017**	**0.0029**	**0.0016**	**0.0117**	--	--	
MW-8RR	04/30/13	159.55	22.61	136.94	**0.66**	<0.10	**0.000078 J**	**0.000084 J**	<0.000081	<0.00022	--	--	Collected via hydrasleeve
MW-8RR	11/07/13	159.55	21.90	137.65	--	--	--	--	--	--	--	--	
MW-8RR	11/08/13	159.55	--	--	**0.75**	<0.050	<0.00024	<0.00023	<0.00024	<0.00072	--	--	
MW-8RR	04/28/14	159.55	22.32	137.23	**0.12 J**	<0.050	<0.00015	<0.00011	**0.00035 J**	<0.00040	--	--	
MW-8RR	04/28/14	159.55	22.32	137.23	**0.37**	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	Collected via hydrasleeve
MW-8RR	11/07/14	159.55	22.73	136.82	**0.33 J**	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	
MW-8RR	04/29/15	159.55	23.03	136.52	**0.22 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-8RR	11/06/15	159.55	22.32	137.23	**0.13 J**	<0.010	<0.001	<0.001	<0.001	<0.001	--	--	
MW-8RR	04/21/16	159.55	22.96	136.59	**0.31**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	11/01/16	159.55	22.60	136.95	**0.37 J**	**0.013 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	05/01/17	159.55	22.46	137.09	**0.60**	**0.014 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	10/17/17	159.55	23.35	136.20	**0.24 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	04/27/18	159.55	22.72	136.83	**0.12 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-8RR	10/18/18	159.55	22.67	136.88	**0.11 J**	<0.014	<0.0002	<0.0002	**0.0002 J**	**0.0009**	-	--	
MW-8RR	04/09/19	166.43	22.51[2]	143.92	<0.25 B	<0.014	<0.0002	<0.0002	<0.0004	<0.001	<0.0002	<0.001	TPH-d Non detect reported to LOQ
MW-8RR	09/11/19	166.43	23.03	143.40	<0.1 / <0.1	**0.16 / 0.16**	<0.00050B / <0.00050B	<0.00039 / <0.00039	<0.00050 / <0.00050	<0.00114 / <0.00114	<0.00044 / <0.00044	**0.000023 J*B / 0.00010 J*B**	TPH-d Non detect reported to LOQ
MW-8RR	04/22/20	166.43	22.61	143.82	<0.824 J	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-8RR	10/09/20	166.43	22.72	143.71	<0.808	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-8RR	08/26/21	166.43	22.65	143.78	<0.840 B	<0.100 B	<0.00100 J	<0.00100 J	**0.000321 J**	<0.00300 J	<0.00100	***<0.00500 B***	
MW-8RR	04/04/22	166.43	22.73	143.70	<0.8	<0.1	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100 J	***<0.00500 J***	
MW-9	02/01/92	--	--	--	**--**		**0.03**	**0.059**	**0.074**	**0.027**	**--**	**--**	Sample date accurate to month and year only
MW-9	05/01/92	90.30	14.57	75.73	**--**	**--**	ND	**0.003**	**0.013**	**0.002**	**--**	**--**	Sample date accurate to month and year only
MW-9	09/01/92	90.30	14.74	75.56	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	11/01/92	90.30	14.66	75.64	**--**	**--**	**0.003**	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	05/01/93	90.30	15.11	75.19	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	08/01/93	90.30	15.12	75.18	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	11/01/93	90.30	14.96	75.34	**--**	**--**	ND	**0.011**	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	03/01/94	90.30	14.99	75.31	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	06/01/94	90.30	15.23	75.07	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	08/01/94	90.30	15.48	74.82	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	12/22/94	90.30	15.13	75.17	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	03/31/95	90.30	14.98	75.32	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	06/20/95	90.30	14.68	75.62	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	08/23/95	90.30	15.02	75.28	**--**	**--**	ND	**0.00067**	ND	**0.0022**	**--**	**--**	
MW-9	11/16/95	90.30	15.00	75.30	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	01/30/96	90.30	15.22	75.08	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	06/02/96	90.30	14.93	75.37	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	08/26/96	90.30	15.50	74.80	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	10/16/96	90.30	15.81	74.49	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	04/28/97	90.30	15.50	74.80	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	09/10/97	90.30	14.76	75.54	**--**	**--**	<0.001	<0.001	<0.001	<0.001	**--**	**--**	
MW-9	04/19/98	90.30	15.35	74.95	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	09/23/98	90.30	14.39	75.91	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	04/28/99	90.30	14.98	75.32	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	**--**	
MW-9	10/13/99	90.30	15.02	75.28	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	**--**	
MW-9	05/19/00	90.30	15.40	74.90	**--**	**--**	<0.001 / <0.001	<0.001 / <0.001	<0.001 / <0.001	<0.002 / <0.002	<0.002 / <0.002	**--**	
MW-9	09/27/00	90.30	15.24	75.06	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.005	**--**	
MW-9	05/05/01	90.30	15.69	74.61	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.005	**--**	
MW-9	08/02/01	90.30	15.16	75.14	<0.001	**--**	<0.001	<0.001	<0.001	<0.003	**--**	**--**	Sample date defaulted to first date listed in historical data table
MW-9	10/02/01	90.30	--	--	**--**	<0.05	**--**	**--**	**--**	**--**	**--**	**--**	
MW-9	05/01/02	152.33	15.38	136.95	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.001	**--**	
MW-9	09/20/02	152.33	15.32	137.01	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	**--**	
MW-9	05/20/03	152.33	15.77	136.56	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	**--**	Sample date defaulted to first date listed in historical data table
MW-9	10/02/03	152.33	15.54	136.79	**--**	**--**	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	**--**	
MW-9	06/01/04	152.33	15.11	137.22	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.002	**--**	
MW-9	09/21/04	152.33	15.58	136.75	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	<0.002 / <0.002	**--**	Sample date defaulted to first date listed in historical data table
MW-9	05/12/05	152.33	15.26	137.07	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0015 / <0.0015	<0.0025 / <0.0025	**--**	
MW-9	09/19/05	152.33	14.80	137.53	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	<0.0025 / <0.0025	**--**	
MW-9	05/08/06	152.33	15.74	136.59	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	09/24/06	152.34	14.88	137.46	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	**--**	**--**	
MW-9	05/14/07	152.34	15.31	137.03	**--**	**--**	<0.0005	<0.0007	<0.0008	<0.0016	<0.0005	**--**	
MW-9	09/21/07	152.34	15.23	137.11	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	**--**	**--**	
MW-9	05/01/08	152.34	15.37	136.97	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0015	**--**	**--**	
MW-9	07/15/08	152.34	15.27	137.07	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0001	**--**	**--**	
MW-9	05/14/09	152.34	16.37	135.97	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	08/26/09	152.34	15.61	136.73	**--**	**0.12**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	04/20/10	152.34	15.60	136.74	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-9	09/05/10	152.34	15.35	136.99	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	
MW-9	05/24/11	152.34	15.74	136.60	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	11/10/11	152.34	15.60	136.74	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	06/20/12	152.34	15.02	137.32	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	11/05/12	152.34	14.41	137.93	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	04/30/13	152.34	15.37	136.97	--	--	<0.000062	<0.000077	<0.000081	<0.00022	--	--	
MW-9	04/30/13	152.34	15.37	136.97	--	--	<0.000062	<0.000077	<0.000081	<0.00022	--	--	Collected via hydrasleeve
MW-9	11/07/13	152.34	14.75	137.59	--	--	--	--	--	--	--	--	
MW-9	11/08/13	--	--	--	--	--	<0.00024	<0.00023	<0.00024	<0.00072	--	--	
MW-9	04/28/14	152.34	15.17	137.17	--	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	
MW-9	04/28/14	152.34	15.17	137.17	--	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	Collected via hydrasleeve
MW-9	11/07/14	152.34	15.56	136.78	--	--	<0.00015	<0.00011	<0.00016	<0.00040	--	--	
MW-9	04/29/15	152.34	15.84	136.50	-	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	11/06/15	152.34	15.16	137.18	--	-	<0.001	<0.001	<0.001	<0.001	--	--	
MW-9	04/21/16	152.34	15.79	136.55	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	11/01/16	152.34	15.43	136.91	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	05/01/17	152.34	15.27	137.07	--	--	<0.003	<0.003	<0.003	<0.003	--	--	
MW-9	10/17/17	152.34	15.15	137.19	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-9	04/27/18	152.34	15.52	136.82	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-9	10/18/18	152.34	15.44	136.90	--	--	<0.0002	<0.0002	<0.0002	<0.0005	-	--	
MW-9	04/09/19	159.24	15.36[2]	143.88	<0.25 B	--	<0.0002	<0.0002	<0.0004	<0.001	<0.0002	<0.001	TPH-d Non detect reported to LOQ
MW-9	09/11/19	159.24	15.87	143.37	<0.1	<0.076	<0.00050B	<0.00039	<0.00050	<0.00114	<0.00044	**0.00032 J*B**	TPH-d Non detect reported to LOQ
MW-9	04/22/20	159.24	15.39	143.85	<0.800 [<0.800]	**0.0456 J [0.0465 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	***<0.00500 [<0.00500]***	
MW-9	10/09/20	159.24	15.54	143.70	<0.800	**0.0168 J**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-9	08/26/21	159.24	15.45	143.79	<0.800 B	<0.100 B	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-9	04/04/22	159.24	15.50	143.74	<0.8	**0.0445 J**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100 J	***<0.00500 J***	
MW-10	02/01/92	--	--	--	--		ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-10	09/01/92	--	--	79.61	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-10	08/01/93	--	--	79.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-10	08/02/01	--	20.64	--	**0.00282**	--	**0.00116**	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-10	09/21/01	160.90	--	--	--	<0.05	--	--	--	--	--	--	
MW-10	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-11	02/01/92	98.38	--	--	--		**0.08**	**ND**	**0.02**	**0.01**	--	--	Sample date accurate to month and year only
MW-11	05/01/92	98.38	22.65	75.73	--	--	**1.6**	**8.7**	**1.2**	**0.20**	--	--	Sample date accurate to month and year only
MW-11	09/01/92	98.38	22.76	75.62	--	--	**0.36**	--	**0.03**	**0.061**	--	--	Sample date accurate to month and year only
MW-11	11/01/92	98.38	22.73	75.65	--	--	**1.2**	**0.074**	**0.02**	**0.004**	--	--	Sample date accurate to month and year only
MW-11	05/01/93	98.38	23.06	75.32	--	--	**0.03**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	08/01/93	98.38	23.05	75.33	--	--	**0.042**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	11/01/93	98.38	22.87	75.51	--	--	**0.11**	ND	**0.11**	**0.1**	--	--	Sample date accurate to month and year only
MW-11	03/01/94	98.38	22.82	75.56	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	06/01/94	98.38	23.09	75.29	--	--	**0.012**	ND	**0.011**	**0.019**	--	--	Sample date accurate to month and year only
MW-11	08/01/94	98.38	23.32	75.06	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	12/22/94	98.38	23.02	75.36	--	--	ND	ND	ND	ND	--	--	
MW-11	03/31/95	98.38	22.91	75.47	--	--	ND	ND	ND	ND	--	--	
MW-11	06/20/95	98.38	22.57	75.81	--	--	**0.00072**	ND	ND	ND	--	--	
MW-11	08/23/95	98.38	22.89	75.49	--	--	**0.0013**	ND	ND	ND	--	--	
MW-11	11/16/95	98.38	22.88	75.50	--	--	**0.0016**	ND	ND	ND	--	--	
MW-11	01/30/96	98.38	23.14	75.24	--	--	**0.00068**	ND	ND	ND	--	--	
MW-11	06/02/96	98.38	22.82	75.56	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / 0.00063	<0.001 / <0.001	--	--	
MW-11	08/26/96	98.38	23.31	75.07	--	--	**0.0016**	<0.0005	<0.0005	<0.001	--	--	
MW-11	10/16/96	98.38	23.69	74.69	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-11	04/28/97	98.38	23.38	75.00	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	09/10/97	98.38	22.62	75.76	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	04/19/98	98.38	23.22	75.16	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	09/23/98	98.38	22.41	75.97	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	04/28/99	98.38	22.86	75.52	--	--	<0.0005	**0.00063**	<0.0005	<0.0005	<0.01	--	
MW-11	10/13/99	98.38	22.93	75.45	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-11	05/19/00	98.38	23.27	75.11	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-11	09/27/00	98.38	23.14	75.24	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-11	05/05/01	98.38	23.59	74.79	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-11	08/02/01	98.38	23.05	75.33	<0.001	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-11	10/02/01	98.38	23.46	74.92	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-11	05/01/02	160.22	23.32	136.90	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-11	09/20/02	160.22	23.21	137.01	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-11	05/20/03	160.22	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-11	10/02/03	160.22	--	--	--	--	--	--	--	--	--	--	
MW-11	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-12	02/01/92	--	--	--	--		**0.0033**	ND	ND	**0.0038**	--	--	Sample date accurate to month and year only
MW-12	09/01/92	--	--	77.00	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-12	08/01/93	--	--	76.58	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-12	08/02/01	--	22.51	--	**0.000252**	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-12	09/21/01	160.78	--	--	--	<0.05	--	--	--	--	--	--	
MW-12	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-14A	05/01/92	--	--	75.72	--		ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	09/01/92	--	--	75.59	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	11/01/92	--	--	75.64	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	05/01/93	--	--	75.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	08/01/93	--	--	75.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	11/01/93	--	--	75.43	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	06/01/94	--	--	75.23	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	08/01/94	--	--	74.95	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	08/02/01	--	23.03	--	**0.000321**	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-14A	09/21/01	160.21	--	--	--	<0.05	--	--	--	--	--	--	
MW-14A	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-14B	09/01/92	--	--	--	--		ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14B	08/01/93	--	--	75.32	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14B	08/02/01	--	23.11	--	<0.001	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-14B	09/21/01	160.20	--	--	--	<0.05	--	--	--	--	--	--	
MW-14B	05/01/04	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-15	09/01/92	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	11/01/92	87.01	11.37	75.64	--	--	**0.002**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	05/01/93	87.01	11.71	75.30	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	08/01/93	87.01	11.71	75.30	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	11/01/93	87.01	11.54	75.47	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	03/01/94	87.01	11.52	75.49	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	06/01/94	87.01	11.77	75.24	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	08/01/94	87.01	12.02	74.99	--	--	ND	ND	ND	ND	--	--	
MW-15	12/22/94	87.01	11.68	75.33	--	--	ND	ND	ND	ND	--	--	
MW-15	03/31/95	87.01	11.53	75.48	--	--	ND	ND	ND	ND	--	--	
MW-15	06/20/95	87.01	11.23	75.78	--	--	ND	ND	ND	ND	--	--	Trace NAPL
MW-15	08/23/95	87.01	11.55	75.46	--	--	ND	ND	ND	ND	--	--	
MW-15	11/16/95	87.01	11.55	75.46	--	--	ND	ND	ND	ND	--	--	
MW-15	01/30/96	87.01	11.78	75.23	--	--	ND	ND	ND	ND	--	--	
MW-15	06/02/96	87.01	11.48	75.53	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	Insufficient recharge
MW-15	08/26/96	87.01	12.03	74.98	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	10/16/96	87.01	12.50	74.51	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	04/28/97	87.01	12.04	74.97	--	--	<0.0005	**0.000527**	<0.0005	<0.001	--	--	
MW-15	09/10/97	87.01	11.29	75.72	--	--	<0.002	<0.002	<0.002	<0.002	--	--	
MW-15	04/19/98	87.01	11.90	75.11	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	09/23/98	87.01	11.06	75.95	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	04/28/99	87.01	11.52	75.49	--	--	<0.0005	**0.00059**	<0.0005	<0.0005	<0.01	--	
MW-15	10/13/99	87.01	11.57	75.44	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-15	05/19/00	87.01	11.95	75.06	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-15	09/27/00	87.01	11.80	75.21	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-15	05/05/01	87.01	--	--	--	--	--	--	--	--	--	--	
MW-15	10/20/01	87.01	--	--	--	--	--	--	--	--	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
MW-15	05/01/02	148.90	--	--	--	--	--	--	--	--	--	--	
MW-15	09/20/02	148.90	--	--	--	--	--	--	--	--	--	--	
MW-15	05/20/03	148.90	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-15	10/02/03	148.90	8.58	140.32	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-15	06/01/04	148.90	--	--	--	--	--	--	--	--	--	--	
MW-15	09/21/04	148.90	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-15	05/12/05	148.90	--	--	--	--	--	--	--	--	--	--	
MW-15	09/19/05	148.90	--	--	--	--	--	--	--	--	--	--	
MW-15	05/08/06	148.90	--	--	--	--	--	--	--	--	--	--	
MW-16	08/02/01	--	13.92	--	<0.0001	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-16	10/02/01	--	14.33	--	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	Car parked over well
MW-16	05/01/02	151.08	14.12	136.96	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	Car parked over well
MW-16	09/20/02	151.08	14.04	137.04	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-16	05/20/03	151.08	14.51	136.57	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	--	Sample date defaulted to first date listed in historical data table
MW-16	10/02/03	151.08	14.30	136.78	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-16	06/01/04	151.08	13.86	137.22	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	
MW-16	09/21/04	151.08	14.32	136.76	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	Sample date defaulted to first date listed in historical data table
MW-16	05/12/05	151.08	14.04	137.04	--	--	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	
MW-16	09/19/05	151.08	13.53	137.55	--	--	<0.0005	<0.0005	<0.0005	<0.001	**0.0025**	--	
MW-16	05/08/06	151.08	14.53	136.55	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-16	09/24/06	152.13	13.69	138.44	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-16	05/14/07	152.13	14.13	138.00	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.0005	--	
MW-16	09/12/07	152.13	14.01	138.12	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-16	05/01/08	152.13	14.18	137.95	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	
MW-16	05/14/09	152.13	--	--	--	--	--	--	--	--	--	--	Unable to Access - behind fenced area
MW-17	08/02/01	--	11.70	--	**0.000118**		<0.0001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-17	10/02/01	--	12.12	--	--	<0.05	<0.0005	<0.005	<0.005	<0.001	<0.001	--	
MW-17	05/01/02	148.89	11.91	136.98	--	--	<0.0005	<0.005	<0.005	<0.001	<0.001	--	
MW-17	09/20/02	148.89	11.86	137.03	--	--	<0.0005	<0.005	<0.005	<0.001	<0.001 / 0.002	--	
MW-17	05/20/03	148.89	12.30	136.59	--	--	<0.0005	<0.005	<0.005	<0.001	<0.0005	--	Sample date defaulted to first date listed in historical data table
MW-17	10/02/03	148.89	12.07	136.82	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-17	06/01/04	148.89	11.65	137.24	--	--	<0.0005 / <0.0005	<0.0005 / <0.0007	<0.0005 / <0.0008	<0.001 / <0.0008	<0.002 / <0.002	--	
MW-17	09/21/04	148.89	12.13	136.76	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	Sample date defaulted to first date listed in historical data table
MW-17	05/12/05	148.89	11.81	137.08	--	--	--	--	--	--	--	--	
MW-17	09/19/05	148.89	11.45	137.44	--	--	--	--	--	--	--	--	
MW-17	05/08/06	148.89	13.56	135.33	--	--	--	--	--	--	--	--	
MW-17	09/24/06	148.91	12.69	136.22	--	--	--	--	--	--	--	--	
MW-17	05/14/07	148.91	13.27	135.64	--	--	--	--	--	--	--	--	
MW-17	09/21/07	148.91	11.77	137.14	--	--	--	--	--	--	--	--	
MW-17	05/01/08	148.91	11.90	137.01	--	--	--	--	--	--	--	--	
MW-17	05/14/09	148.91	--	--	--	--	--	--	--	--	--	--	Unable to Access - behind fenced area
MW-18	08/02/01	--	13.30	--	**0.0132**	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-18	10/02/01	--	13.46	--	--	**0.162**	<0.0005	<0.0005	**0.00139**	**0.0112**	<0.001	--	
MW-18	05/01/02	150.50	12.88	137.62	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-18	09/20/02	150.50	13.17	137.33	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-18	05/20/03	150.50	13.60	136.90	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	--	Sample date defaulted to first date listed in historical data table
MW-18	10/02/03	150.50	14.23	136.27	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-18	06/01/04	150.50	12.96	137.54	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	
MW-18	09/21/04	150.50	14.01	136.49	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	Sample date defaulted to first date listed in historical data table
MW-18	05/12/05	150.50	13.06	137.44	--	--	--	--	--	--	--	--	
MW-18	09/19/05	150.50	12.74	137.76	--	--	--	--	--	--	--	--	
MW-18	05/08/06	150.78	--	--	--	--	--	--	--	--	--	--	
Trip Blank	01/30/96	--	--	--	--	--	ND	ND	ND	ND	--	--	
Trip Blank	06/02/96	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	08/26/96	--	--	--	--	--	<0.0005	**0.00061**	<0.0005	<0.001	--	--	
Trip Blank	10/16/96	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	04/28/97	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	
Trip Blank	09/10/97	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	04/19/98	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	09/23/98	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	04/28/99	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	**--**	
Trip Blank	10/13/99	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	**--**	
Trip Blank	09/27/00	--	--	--	**--**	**--**	<0.0005	**0.000572**	<0.0005	<0.001	<0.005	**--**	
Trip Blank	05/05/01	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.005	**--**	
Trip Blank	10/02/01	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.001	**--**	
Trip Blank	05/01/02	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.001	**--**	
Trip Blank	09/20/02	--	--	--	**--**	**--**	<0.0005	**0.000518**	<0.0005	<0.001	<0.001	**--**	
Trip Blank	05/20/03	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	**--**	Sample date defaulted to first date listed in historical data table
Trip Blank	10/02/03	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	**--**	
Trip Blank	06/01/04	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	**--**	
Trip Blank	09/21/04	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	**--**	Sample date defaulted to first date listed in historical data table
Trip Blank	05/12/05	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	**--**	
Trip Blank	09/19/05	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	**--**	
Trip Blank	05/08/06	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	09/24/06	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	05/14/07	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	**--**	
Trip Blank	09/21/07	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	05/01/08	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0015	**--**	**--**	
Trip Blank	07/15/08	--	--	--	**--**	<0.05	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	04/30/09	--	--	--	**--**	<0.01	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	08/19/09	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	04/20/10	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	06/10/10	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
Trip Blank	08/27/10	--	--	--	**--**	<0.010	<0.010	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	05/24/11	--	--	--	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	07/26/11	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	11/10/11	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	06/20/12	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	11/05/12	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	04/30/13	--	--	--	**--**	<0.010	<0.000062	<0.000077	<0.000081	<0.00022	**--**	**--**	
Trip Blank	11/08/13	--	--	--	**--**	<0.10	<0.00024	<0.00023	<0.00024	<0.00072	**--**	**--**	
Trip Blank	04/28/14	--	--	--	**--**	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	**--**	**--**	Car parked over well
Trip Blank	11/07/14	--	--	--	**--**	<0.050	<0.00015	**0.00012 J**	<0.00016	<0.00040	**--**	**--**	
Trip Blank	04/29/15	--	--	--	**--**	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	11/06/15	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	04/21/16	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	11/01/16	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	10/17/17	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
Trip Blank	04/27/18	--	--	--	**--**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	**--**	
Trip Blank	10/18/18	--	--	--	**--**	<0.010	<0.0002	<0.0002	<0.0002	<0.0005	**--**	**--**	
Trip Blank	04/03/19	--	--	--	**--**	<0.014	<0.0002	<0.0002	<0.0004	<0.001	<0.0002	<0.001	
Trip Blank	09/11/19	--	--	--	<0.014	<0.100	<0.0000090	<0.00039	<0.00050	<0.00114	<0.00044	**0.000095 J*B**	
Trip Blank	04/22/20	--	--	--	--	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Trip Blank	10/09/20	--	--	--	--	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Trip Blank	08/26/21	--	--	--	--	**0.0429 J**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	**0.00124 J**	
Trip Blank	04/04/22	--	--	--	--	<0.1	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100 J	***<0.00500 J***	
Tudor Motel	09/21/07	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
Tudor Motel	05/01/08	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
Tudor Motel	07/15/08	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
Equipment Blank	09/11/19	--	--	--	<0.076	<0.100	**0.000013 J**	**0.0011 J**	<0.00050	<0.00114	<0.00044	**0.000030 J*B**	
Equipment Blank	04/22/20	--	--	--	<0.800	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Equipment Blank	10/09/20	--	--	--	<0.800	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Equipment Blank	08/26/21	--	--	--	0.624 J	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Equipment Blank	04/04/22	--	--	--	<0.8	<0.1	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100 J	***<0.00500 J***	

Table 1. Historical Groundwater Gauging and Analytical Results
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft amsl)	DTW (ft bTOC)	GW Elev (ft amsl)	DRO (mg/L)	GRO (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)	Comments
ADEC Groundwater Cleanup Levels					**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**	

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
mg/L = Milligrams per liter
GW Elev = Groundwater elevation
<0.00100 = Not detected at or above the reported detection limit (RDL)
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
[ ] = Blind Duplicate Sample Result
* = LCS or LCSD is outside acceptance limits.
ND = Constituent considered non detect at the MDL

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to United States Environmental Protection Agency (USEPA) Method AK101
TPH-d = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to State of Alaska Method AK102.
Samples analytes by USEPA Method 8260D:
Benzene, Toluene, Ethylbenzene and Total Xylenes (collectively BTEX)
MTBE = Methyl-tert-butyl ether
Naphthalene
LUFT = Leaking Underground Fuel Tank
GC/MS = Gas chromatography/Mass Spectrometry
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.
B = Compound considered non-detect at the listed value due to associated blank contamination.
ADEC = Alaska Department of Environmental Conservation
NAVD 88 = North American Vertical Datum of 1988
LNAPL = Light Non-Aqueous Phase Liquid
-- = Not Measured/Not analysed
The laboratory for this site was changed from Eurofins Calscience to Pace Analytical prior to the second quarter 2020 groundwater monitoring event. Prior to this date, Eurofins Calscience was using the carbon ranges as follows: TPH-g as C6-C10; TPH-d as C13-C22. Pace Analytical reports the following carbon ranges: TPH-g as C5-C12; TPH-d as C12-C22.

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, 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 (Methyl bromide) mg/L	n-Butylbenzene (mg/L)	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L
ADEC Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**	**1**	**2**	**0.69**	**0.81**	**0.0046**	**0.078**
MW-1R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	6/15/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/5/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	10/18/2018	--	--	--	--	--	<0.00100	<0.00500	<0.00100	--	--	--	--	<0.00100	<0.00100
MW-1R	4/9/2019	<0.020 [<0.020]	--	--	--	--	<0.00100 [<0.00100]	<0.00400	<0.00100 [<0.00100]	--	--	--	<0.00500	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-1R	9/11/2019	<0.050	--	--	<0.00200	<0.00200	<0.00050	<0.00050	<0.00050	<0.00300	<0.00300	<0.00300	<0.00300	<0.00300	<0.00200
MW-1R	10/9/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-1R	4/7/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	**0.000222 J**	**0.000282 J**	<0.00100	<0.00100	<0.00100	<0.00100
MW-1R	8/26/2021	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	**0.000304 J**	<0.00100	<0.00100	<0.00100
MW-1R	04/04/2022	<0.0500 J	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	6/15/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/8/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, 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 (Methyl bromide) mg/L	n-Butylbenzene (mg/L)	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L
ADEC Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**	**1**	**2**	**0.69**	**0.81**	**0.0046**	**0.078**
MW-2R	10/18/2018	--	--	--	--	--	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	--	--	--	--	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-2R	4/9/2019	**0.009 J**	--	--	--	--	<0.00100	<0.00400	<0.00100	--	--	--	<0.00500	<0.00100	<0.00100
MW-2R	9/11/2019	<0.050	--	--	<0.00200	<0.00200	<0.00050	<0.00050	<0.00050	**0.0012 J**	**0.0046**	**0.0079**	<0.00300	<0.00300	<0.00200
MW-2R	4/22/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	**0.00604**	**0.00777**	<0.00100	<0.00100	<0.00100
MW-2R	10/9/2020	<0.0500 [<0.050000]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	**0.00747 [0.00818]**	**0.0123 [0.0127]**	**0.0142 [0.0142]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-2R	4/7/2021	<0.0500 [<0.050000]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	**0.00355 [0.00528]**	**0.00827 [0.00754 J]**	**0.0115 [0.010]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-2R	8/26/2021	<0.0500 [<0.050000]	<0.0500 J [<0.0500 J]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00500 J [<0.00500 J]	**<0.00100 [<0.00100]**	**0.0147 [0.0148]**	**0.0153 [0.0151]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-2R	04/04/2022	<0.0500 J [<0.0500 J]	<0.0500 J [<0.0500 J]	<0.0100 J [<0.0100]	<0.00100 J [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]	**0.00741 J [0.00778 J]**	**0.0113 J [0.0116 J]**	**0.0139 J [0.014 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-8R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	4/20/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/8/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	10/18/2018	--	--	--	--	--	<0.00100	<0.00500	<0.00100	--	--	--	--	<0.00100	<0.00100
MW-8RR	4/9/2019	<0.020	--	--	--	--	<0.00100	<0.00400	<0.00100	--	--	--	<0.00500	<0.00100	<0.00100
MW-8RR	9/11/2019	<0.050 [<0.050]	--	--	<0.00200 [<0.00200]	<0.00200 [<0.00200]	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00050 [<0.00050]	<0.00300 [<0.00300]	<0.00300 [<0.00300]	<0.00300 [<0.00300]	<0.00300 [<0.00300]	<0.00300 [<0.00300]	<0.00200 [<0.00200]
MW-8RR	4/22/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-8RR	10/9/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-8RR	4/7/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	8/26/2021	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	**0.000450 J**	<0.00100	<0.00100 J	<0.00100 J	<0.00100
MW-8RR	04/04/2022	<0.0500 J	<0.0500 J	<0.0100 J	<0.00100 J	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100	<0.00100	<0.00100
MW-9	2/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/22/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/23/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, 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 (Methyl bromide) mg/L	n-Butylbenzene (mg/L)	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L
ADEC Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**	**1**	**2**	**0.69**	**0.81**	**0.0046**	**0.078**
MW-9	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/19/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/20/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/18/2018	--	--	--	--	--	<0.00100	<0.00500	<0.00100	--	--	--	--	<0.00100	<0.00100
MW-9	4/9/2019	<0.020	--	--	--	--	<0.00100	<0.00400	<0.00100	--	--	--	<0.00500	<0.00100	<0.00100
MW-9	9/11/2019	<0.050	--	--	<0.00200	<0.00200	<0.00050	<0.00050	<0.00050	**0.0012 J**	**0.0046**	**0.0079**	<0.00300	<0.00300	<0.00200
MW-9	4/22/2020	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0100 [<0.0100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-9	10/9/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	4/7/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	8/26/2021	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	04/04/2022	<0.0500 J	<0.0500 J	<0.0100 J	<0.00100 J	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100	<0.00100	<0.00100
MW-16	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, 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 (Methyl bromide) mg/L	n-Butylbenzene (mg/L)	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L
ADEC Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**	**1**	**2**	**0.69**	**0.81**	**0.0046**	**0.078**
MW-16	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/12/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	09/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/30/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/19/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/20/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/10/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/27/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, 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 (Methyl bromide) mg/L	n-Butylbenzene (mg/L)	sec-Butylbenzene (mg/L)	tert-Butylbenzene (mg/L)	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L
ADEC Groundwater Cleanup Levels		**14**	**--**	**--**	**0.062**	**--**	**0.0013**	**0.033**	**0.0075**	**1**	**2**	**0.69**	**0.81**	**0.0046**	**0.078**
Trip Blank	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/5/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/18/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/3/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/22/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/9/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/7/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	8/26/2021	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	04/04/2022	<0.0500 J	<0.0500 J	<0.0100 J	<0.00100 J	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100	<0.00100	<0.00100
Tudor Motel	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tudor Motel	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tudor Motel	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Equipment Blank	4/22/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Equipment Blank	10/9/2020	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Equipment Blank	4/7/2021	<0.0500	<0.0500	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Equipment Blank	8/26/2021	<0.0500	<0.0500 J	<0.0100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Equipment Blank	04/04/2022	<0.0500 J	<0.0500 J	<0.0100 J	<0.00100 J	<0.00100	<0.00100	<0.00100 J	<0.00500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100	<0.00100	<0.00100

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Chlorodibromomethane (Dibromochloromethane) mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	2-Chlorotoluene (mg/L)	4-Chlorotoluene (mg/L)	1,2-Dibromo-3-chloropropane (DBCP) (mg/L)	Dibromomethane (Methylene bromide) (mg/L)	1,2-Dibromoethane mg/L	1,2-Dichlorobenzene mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	Dichlorodifluoromethane (Freon 12) mg/L
ADEC Groundwater Cleanup Levels		**0.0087**	**--**	**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.000075**	**0.3**	**0.3**	**0.0048**	**0.2**
MW-1R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	6/15/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/5/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	10/18/2018	<0.00100	<0.00100	<0.00100	<0.00100	--	--	--	--	***<0.00100***	<0.00500	<0.00500	<0.00500	<0.00100
MW-1R	4/9/2019	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	--	<0.00500	--	***<0.00100 [<0.00100]***	<0.00500	<0.00500	<0.00500	<0.00100 [<0.00100]
MW-1R	9/11/2019	<0.00050	<0.00500	<0.00050	<0.020	<0.00300	<0.00200	<0.010	<0.00050	<0.0000096	<0.00200	<0.00200	--	<0.010
MW-1R	10/9/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-1R	4/7/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
MW-1R	8/26/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
MW-1R	04/04/2022	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00500
MW-2R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	6/15/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/8/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Chlorodibromomethane (Dibromochloromethane) mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	2-Chlorotoluene (mg/L)	4-Chlorotoluene (mg/L)	1,2-Dibromo-3-chloropropane (DBCP) (mg/L)	Dibromomethane (Methylene bromide) (mg/L)	1,2-Dibromoethane mg/L	1,2-Dichlorobenzene mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	Dichlorodifluoromethane (Freon 12) mg/L
ADEC Groundwater Cleanup Levels		**0.0087**	**--**	**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.000075**	**0.3**	**0.3**	**0.0048**	**0.2**
MW-2R	10/18/2018	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	--	--	--	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00500 [<0.00500]	<0.00500 [<0.00500]	<0.00100 [<0.00100]
MW-2R	4/9/2019	<0.00100	<0.00100	<0.00100	<0.00100	--	--	<0.00500	--	***<0.00100***	<0.00500	<0.00500	<0.00500	<0.00100
MW-2R	9/11/2019	<0.00050	<0.00500	<0.00050	<0.020	<0.00300	<0.00200	<0.010	<0.00050	<0.0000096	<0.00200	<0.00200	<0.00050	<0.010
MW-2R	4/22/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	***<0.000100 J***	<0.00100	<0.00100	<0.00100	<0.00500
MW-2R	10/9/2020	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00500 J [<0.00500]	<0.00100 [<0.00100]	***<0.000250 [<0.000250]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500 J]
MW-2R	4/7/2021	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	***<0.000250 [<0.000250]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]
MW-2R	8/26/2021	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	***<0.000125 [<0.000125]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]
MW-2R	04/04/2022	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00500 J [<0.00500]	<0.00100 [<0.00100]	***<0.000125 [<0.000125]***	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00500 [<0.00500]
MW-8R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	4/20/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/8/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	10/18/2018	<0.00100	<0.00100	<0.00100	<0.00100	--	--	--	--	<0.00100	<0.00500	<0.00500	<0.00500	<0.00100
MW-8RR	4/9/2019	<0.00100	<0.00100	<0.00100	<0.00100	--	--	<0.00500	--	<0.00100	<0.00500	<0.00500	<0.00500	<0.00100
MW-8RR	9/11/2019	<0.00050 [<0.00050]	<0.00500 [<0.00500]	**0.0000099 J [0.00050]**	<0.020 [<0.020]	<0.00300 [<0.00300]	<0.00200 [<0.00200]	<0.010 [<0.010]	<0.00050 [<0.00050]	**0.000014 J** [<0.0000097]	<0.00200 [<0.00200]	<0.00200 [<0.00200]	<0.00050 [<0.00050]	<0.010 [<0.010]
MW-8RR	4/22/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	**0.0000110 J**	<0.00100	<0.00100	<0.00100	<0.00500
MW-8RR	10/9/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100 J	<0.00100	<0.00500	<0.00100	**0.000015**	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-8RR	4/7/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	8/26/2021	<0.00100	<0.00500 J	***<0.00500 J***	<0.00250 J	<0.00100 J	<0.00100	<0.00500	<0.00100 J	**0.000006**	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-8RR	04/04/2022	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500	<0.00100	**0.000012**	<0.00100 J	<0.00100 J	<0.00100 J	<0.00500
MW-9	2/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/22/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/23/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Chlorodibromomethane (Dibromochloromethane) mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	2-Chlorotoluene (mg/L)	4-Chlorotoluene (mg/L)	1,2-Dibromo-3-chloropropane (DBCP) (mg/L)	Dibromomethane (Methylene bromide) (mg/L)	1,2-Dibromoethane mg/L	1,2-Dichlorobenzene mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	Dichlorodifluoromethane (Freon 12) mg/L
ADEC Groundwater Cleanup Levels		**0.0087**	**--**	**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.000075**	**0.3**	**0.3**	**0.0048**	**0.2**
MW-9	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/19/2000	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/20/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/29/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/6/2015	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/17/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/18/2018	<0.00100	<0.00100	<0.00100	<0.00100	--	--	--	--	<0.00100	<0.00500	<0.00500	<0.00500	<0.00100
MW-9	4/9/2019	<0.00100	<0.00100	<0.00100	<0.00100	--	--	<0.00500	--	<0.00100	<0.00500	<0.00500	<0.00500	<0.00100
MW-9	9/11/2019	<0.00050	<0.00500	**0.000030 J**	<0.020	<0.00300	<0.00200	<0.010	<0.00050	<0.0000096	<0.00200	<0.00200	**0.000029 J**	<0.010
MW-9	4/22/2020	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00100 [<0.00100]	***<0.000500 J [<0.000500 J]*** **0.000195 J [0.000177 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]
MW-9	10/9/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500 J	<0.00100	***<0.000250 J***	<0.00100	<0.00100	<0.00100	<0.00500 J
MW-9	4/7/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	***<0.000250***	**0.000114 J**	<0.00100	<0.00100	<0.00500
MW-9	8/26/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	***<0.000125***	<0.00100	<0.00100	<0.00100	<0.00500
MW-9	04/04/2022	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500 J	<0.00100	***<0.000125***	<0.00100 J	<0.00100 J	<0.00100 J	<0.00500
MW-16	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Chlorodibromomethane (Dibromochloromethane) mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	2-Chlorotoluene (mg/L)	4-Chlorotoluene (mg/L)	1,2-Dibromo-3-chloropropane (DBCP) (mg/L)	Dibromomethane (Methylene bromide) (mg/L)	1,2-Dibromoethane mg/L	1,2-Dichlorobenzene mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	Dichlorodifluoromethane (Freon 12) mg/L
ADEC Groundwater Cleanup Levels		**0.0087**	**--**	**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.000075**	**0.3**	**0.3**	**0.0048**	**0.2**
MW-16	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/12/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	09/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/30/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/19/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/20/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/10/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/27/2010	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/24/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	7/26/2011	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/10/2011	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Chlorodibromomethane (Dibromochloromethane) mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	2-Chlorotoluene (mg/L)	4-Chlorotoluene (mg/L)	1,2-Dibromo-3-chloropropane (DBCP) (mg/L)	Dibromomethane (Methylene bromide) (mg/L)	1,2-Dibromoethane mg/L	1,2-Dichlorobenzene mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	Dichlorodifluoromethane (Freon 12) mg/L
ADEC Groundwater Cleanup Levels		**0.0087**	**--**	**0.0022**	**0.19**	**--**	**--**	**--**	**0.0083**	**0.000075**	**0.3**	**0.3**	**0.0048**	**0.2**
Trip Blank	6/20/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/5/2012	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/30/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/7/2014	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/21/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/1/2016	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2017	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/27/2018	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/18/2018	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/3/2019	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/22/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
Trip Blank	10/9/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100 J	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500 J
Trip Blank	4/7/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
Trip Blank	8/26/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
Trip Blank	04/04/2022	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00000500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00500
Tudor Motel	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
Tudor Motel	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
Tudor Motel	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--
Equipment Blank	4/22/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
Equipment Blank	10/9/2020	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100 J	<0.00100	<0.00500 J	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500 J
Equipment Blank	4/7/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
Equipment Blank	8/26/2021	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	<0.00500	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00500
Equipment Blank	04/04/2022	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00000500	<0.00100 J	<0.00100 J	<0.00100 J	<0.00500

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	1,1-Dichloroethane mg/L	1,2-Dichloroethane (mg/L)	1,1-Dichloroethene (Dichloroethylene) mg/L	cis-1,2-Dichloroethene (mg/L)	trans-1,2-Dichloroethene mg/L	1,2-Dichloropropane mg/L	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene mg/L	trans-1,3-Dichloropropene mg/L	Di-isopropyl ether (mg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (mg/L)	Isopropylbenzene mg/L
ADEC Groundwater Cleanup Levels		**0.028**	**0.0017**	**0.28**	**0.036**	**0.36**	**0.0082**	**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**	**0.45**
MW-1R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2008	--	**0.0182**	--	<0.0700	--	--	--	--	--	--	--	--	--	--
MW-1R	7/15/2008	--	**0.021**	--	<0.00800	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2009	--	<0.00500 / <0.00500	--	<0.00800 / <0.00800	--	--	--	--	--	--	--	--	--	--
MW-1R	8/26/2009	--	<0.00500 J / **0.021 J**	--	<0.00800 / <0.00800	--	--	--	--	--	--	--	--	--	--
MW-1R	6/15/2010	--	**0.014 J / 0.010 J**	--	<0.00800 / <0.00800	--	--	--	--	--	--	--	--	--	--
MW-1R	9/5/2010	--	<0.003 / <0.003	--	<0.00400 / <0.00400	--	--	--	--	--	--	--	--	--	--
MW-1R	5/24/2011	--	**0.012**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-1R	5/24/2011	--	**0.012**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-1R	11/10/2011	--	**0.004 J / 0.007 J**	--	<0.00080 / <0.00080	--	--	--	--	--	--	--	--	--	--
MW-1R	6/20/2012	--	**0.004 J / 0.004 J**	--	<0.00080 / <0.00080	--	--	--	--	--	--	--	--	--	--
MW-1R	11/5/2012	--	**0.0008 J / 0.0008 J**	--	<0.00080 / <0.00080	--	--	--	--	--	--	--	--	--	--
MW-1R	4/30/2013	--	**0.003 / 0.0033**	--	<0.000085 / <0.000085	--	--	--	--	--	--	--	--	--	--
MW-1R	4/30/2013	--	**0.0028 / 0.0034**	--	<0.000085 / <0.000085	--	--	--	--	--	--	--	--	--	--
MW-1R	11/8/2013	--	**0.0042 J / 0.0030 J**	--	<0.001001 / <0.001001	--	--	--	--	--	--	--	--	--	--
MW-1R	4/28/2014	--	**0.0037 / 0.0037**	--	<0.00013 / <0.00013	--	--	--	--	--	--	--	--	--	--
MW-1R	4/28/2014	--	**<0.00066 UJ / 0.0038 J**	--	<0.00066 / <0.00013	--	--	--	--	--	--	--	--	--	--
MW-1R	11/7/2014	--	**<0.00066 / 0.0021 J**	--	<0.00066 / <0.00066	--	--	--	--	--	--	--	--	--	--
MW-1R	4/29/2015	--	**0.003**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-1R	11/6/2015	--	<0.00100	--	<0.00100	--	--	--	--	--	--	--	--	--	--
MW-1R	4/21/2016	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-1R	11/1/2016	--	**0.002**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2017	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-1R	10/17/2017	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-1R	4/27/2018	--	**0.002**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-1R	10/18/2018	<0.00100	***<0.00500***	<0.00100	<0.00100	<0.00100	<0.00100	**--**	**--**	**--**	<0.00100	<0.00100	**--**	**--**	**--**
MW-1R	4/9/2019	<0.00100 [<0.00100]	**0.001 [0.001]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	--	--	--	--	--	--	--	<0.00500 [<0.00500]
MW-1R	9/11/2019	<0.00200	**0.0014**	<0.00050	<0.00300	<0.00300	<0.00100	<0.00200	<0.00300	--	<0.00050	<0.00050	--	<0.00050	<0.00200
MW-1R	10/9/2020	<0.00100	**0.00222**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-1R	4/7/2021	<0.00100	**0.00276**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000426 J**
MW-1R	8/26/2021	<0.00100	**0.00311 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J
MW-1R	04/04/2022	<0.00100	**0.00191**	<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-2R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2008	--	**0.0568** / **0.0505**	--	<0.0700 / <0.0700	--	--	--	--	--	--	--	--	--	--
MW-2R	7/15/2008	--	**0.035** / **0.037**	--	<0.00400 / <0.0700	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2009	--	**0.027**	--	<0.00200	--	--	--	--	--	--	--	--	--	--
MW-2R	8/26/2009	--	**0.056**	--	<0.00400	--	--	--	--	--	--	--	--	--	--
MW-2R	6/15/2010	--	**0.017**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-2R	9/5/2010	--	**0.008**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-2R	5/24/2011	--	**0.016** / **0.015**	--	<0.00080 / <0.00080	**--**	**--**	--	--	--	--	--	--	--	--
MW-2R	11/10/2011	--	**0.012**	--	<0.00080	**--**	**--**	--	--	--	--	--	--	--	--
MW-2R	6/20/2012	--	**0.011**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-2R	11/8/2012	--	**0.002 J**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-2R	4/30/2013	--	**0.0091**	--	**0.00022 J**	--	--	--	--	--	--	--	--	--	--
MW-2R	4/30/2013	--	**0.0049**	--	<0.000085	--	--	--	--	--	--	--	--	--	--
MW-2R	11/8/2013	--	**0.0053**	--	<0.00023	--	--	--	--	--	--	--	--	--	--
MW-2R	4/28/2014	--	**0.011**	--	<0.00013	--	--	--	--	--	--	--	--	--	--
MW-2R	4/28/2014	--	**0.0021**	--	<0.00013	--	--	--	--	--	--	--	--	--	--
MW-2R	11/7/2014	--	<0.00066	--	<0.00066	--	--	--	--	--	--	--	--	--	--
MW-2R	4/29/2015	--	**0.003** / **0.003**	--	<0.00050 / <0.00050	--	--	--	--	--	--	--	--	--	--
MW-2R	11/6/2015	--	**0.002** / <0.003	--	<0.00100 / <0.003	--	--	--	--	--	--	--	--	--	--
MW-2R	4/21/2016	--	**0.008 / 0.009 J**	--	<0.00050 / <0.00500	--	--	--	--	--	--	--	--	--	--
MW-2R	11/1/2016	--	**0.011 / 0.011**	--	<0.00050 / <0.00050	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2017	--	**0.007 / 0.008**	--	<0.00050 / <0.00050	--	--	--	--	--	--	--	--	--	--
MW-2R	10/17/2017	--	**0.009 / 0.009**	--	<0.00050 / <0.00050	--	--	--	--	--	--	--	--	--	--
MW-2R	4/27/2018	--	**0.007 / 0.007**	--	<0.00050 / <0.00050	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	1,1-Dichloroethane mg/L	1,2-Dichloroethane (mg/L)	1,1-Dichloroethene (Dichloroethylene) mg/L	cis-1,2-Dichloroethene (mg/L)	trans-1,2-Dichloroethene mg/L	1,2-Dichloropropane mg/L	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene mg/L	trans-1,3-Dichloropropene mg/L	Di-isopropyl ether (mg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (mg/L)	Isopropylbenzene mg/L
ADEC Groundwater Cleanup Levels		**0.028**	**0.0017**	**0.28**	**0.036**	**0.36**	**0.0082**	**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**	**0.45**
MW-2R	10/18/2018	<0.00100 [<0.00100]	**0.003 J / 0.003 J**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	--	--	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	--	--
MW-2R	4/9/2019	<0.00100	**0.005**	<0.00100	<0.00100	<0.00100	--	--	--	--	--	--	--	--	<0.00500
MW-2R	9/11/2019	<0.00200	**0.006**	<0.00050	<0.00300	<0.00300	<0.00100	<0.00200	<0.00300	--	<0.00050	<0.00050	--	<0.00050	**0.010**
MW-2R	4/22/2020	<0.00100	**0.00473**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	**0.0162**
MW-2R	10/9/2020	<0.00100 [<0.00100]	**0.00640 [0.00617]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.0425 [0.0417]**
MW-2R	4/7/2021	<0.00100 [<0.00100]	**0.00565 [0.00682]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.0393 [0.0346]**
MW-2R	8/26/2021	<0.00100 [<0.00100]	**0.0105 J [0.0106 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0433 J [<0.0426 J]
MW-2R	04/04/2022	<0.00100 [<0.00100]	**0.0064 [0.00642]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	**0.0377 [0.0435]**
MW-8R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/1/2008	--	**0.0174**	--	<0.0700	--	--	--	--	--	--	--	--	--	--
MW-8R	7/15/2008	--	**0.011**	--	<0.00800	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2009	--	<0.003	--	<0.00400	--	--	--	--	--	--	--	--	--	--
MW-8R	8/26/2009	--	<0.00500	--	<0.00800	--	--	--	--	--	--	--	--	--	--
MW-8R	4/20/2010	--	**0.004 J /0.004 J**	--	<0.00400 / <0.00400	--	--	--	--	--	--	--	--	--	--
MW-8RR	7/26/2011	--	**0.024**	--	<0.00200	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/10/2011	--	**0.005**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-8RR	6/20/2012	--	**0.002 J**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/8/2012	--	**0.0006 J**	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/30/2013	--	**0.0033**	--	<0.000085	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/30/2013	--	**0.0025**	--	**0.00023 J**	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/8/2013	--	**0.00055 J**	--	<0.00023	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/28/2014	--	**0.00065 J**	--	<0.00013	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/28/2014	--	**0.00061 J**	--	<0.00013	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/7/2014	--	**0.0013**	--	<0.00013	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/29/2015	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/6/2015	--	<0.00100	--	<0.00100	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/21/2016	--	<0.00100	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-8RR	11/1/2016	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-8RR	5/1/2017	--	**0.002**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-8RR	10/17/2017	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-8RR	4/27/2018	--	**0.001**	--	<0.00050	--	--	--	--	--	--	--	--	--	--
MW-8RR	10/18/2018	<0.00100	**0.003 J**	<0.00100	<0.00100	<0.00100	<0.00100	--	--	--	<0.00100	<0.00100	--	--	--
MW-8RR	4/9/2019	<0.00100	**0.001**	<0.00100	<0.00100	<0.00100	--	--	--	--	--	--	--	--	<0.00500
MW-8RR	9/11/2019	<0.00200 [<0.00200]	**0.00079 [0.00077]**	<0.00050 [<0.00050]	<0.00300 [<0.00300]	<0.00300 [<0.00300]	<0.00100 [<0.00100]	<0.00200 [<0.00200]	<0.00300 [<0.00300]	<0.00300 [<0.00300]	<0.00050 [<0.00050]	<0.00050 [<0.00050]	--	<0.00050 [<0.00050]	<0.00200 [<0.00200]
MW-8RR	4/22/2020	<0.00100	**0.000636 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00100
MW-8RR	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-8RR	4/7/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	8/26/2021	<0.00100 J	<0.00100	<0.00100 J	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100 J	<0.00100	**0.000295 J**
MW-8RR	04/04/2022	<0.00100	**0.000622 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100
MW-9	2/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/22/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/23/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	1,1-Dichloroethane mg/L	1,2-Dichloroethane (mg/L)	1,1-Dichloroethene (Dichloroethylene) mg/L	cis-1,2-Dichloroethene (mg/L)	trans-1,2-Dichloroethene mg/L	1,2-Dichloropropane mg/L	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene mg/L	trans-1,3-Dichloropropene mg/L	Di-isopropyl ether (mg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (mg/L)	Isopropylbenzene mg/L
ADEC Groundwater Cleanup Levels		**0.028**	**0.0017**	**0.28**	**0.036**	**0.36**	**0.0082**	**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**	**0.45**
MW-9	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/19/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2008	--	<0.00500	--	**0.119**	--	--	--	--	--	--	--	--	--	--
MW-9	7/15/2008	--	<0.00050	--	**0.097**	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2009	--	<0.00050	--	**0.064**	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/2009	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
MW-9	4/20/2010	--	<0.00050	--	**0.13**	--	--	--	--	--	--	--	--	--	--
MW-9	9/5/2010	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/24/2011	--	<0.00050	--	**0.032**	--	--	--	--	--	--	--	--	--	--
MW-9	11/10/2011	--	<0.00050	--	**0.013**	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/2012	--	<0.00050	--	**0.014**	--	--	--	--	--	--	--	--	--	--
MW-9	4/30/2013	--	<0.00037	--	**0.114**	--	--	--	--	--	--	--	--	--	--
MW-9	4/30/2013	--	<0.00037	--	**0.112**	--	--	--	--	--	--	--	--	--	--
MW-9	11/8/2013	--	<0.00022	--	**0.013**	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/2014	--	<0.00013	--	**0.064**	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/2014	--	<0.00013	--	**0.0067**	--	--	--	--	--	--	--	--	--	--
MW-9	11/7/2014	--	<0.00013	--	**0.040**	--	--	--	--	--	--	--	--	--	--
MW-9	4/29/2015	--	<0.00050	--	**0.005**	--	--	--	--	--	--	--	--	--	--
MW-9	11/6/2015	--	<0.00100	--	**0.078**	--	--	--	--	--	--	--	--	--	--
MW-9	4/21/2016	--	<0.00050	--	**0.007**	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/2016	--	<0.00050	--	**0.007**	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2017	--	<0.00300	--	**0.030**	--	--	--	--	--	--	--	--	--	--
MW-9	10/17/2017	--	<0.00050	--	**0.01**	--	--	--	--	--	--	--	--	--	--
MW-9	4/27/2018	--	<0.00050	--	**0.039**	--	--	--	--	--	--	--	--	--	--
MW-9	10/18/2018	<0.00100	<0.00200	<0.00100	**0.064**	**0.0003 J**	<0.00100	--	--	--	<0.00100	<0.00100	--	--	--
MW-9	4/9/2019	<0.00100	<0.00100	<0.00100	**0.067**	**0.0003 J**	--	--	--	--	--	--	--	--	<0.00500
MW-9	9/11/2019	<0.00200	<0.00050	**0.000036 J**	**0.058**	<0.00300	<0.00100	<0.00200	<0.00300	--	<0.00050	<0.00050	--	<0.00050	**0.010**
MW-9	4/22/2020	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.0580 [0.0581]**	**0.000393 J [0.000389 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-9	10/9/2020	<0.00100	<0.00100	<0.00100	**0.0413**	**0.000209 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	4/7/2021	<0.00100	<0.00100	<0.00100	**0.049**	**0.000319 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	8/26/2021	<0.00100	<0.00100	<0.00100	**0.0376**	**0.000275 J**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J
MW-9	04/04/2022	<0.00100	<0.00100	<0.00100	**0.0263**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100
MW-16	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	1,1-Dichloroethane mg/L	1,2-Dichloroethane (mg/L)	1,1-Dichloroethene (Dichloroethylene) mg/L	cis-1,2-Dichloroethene (mg/L)	trans-1,2-Dichloroethene mg/L	1,2-Dichloropropane mg/L	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene mg/L	trans-1,3-Dichloropropene mg/L	Di-isopropyl ether (mg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (mg/L)	Isopropylbenzene mg/L
ADEC Groundwater Cleanup Levels		**0.028**	**0.0017**	**0.28**	**0.036**	**0.36**	**0.0082**	**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**	**0.45**
MW-16	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/12/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2008	--	<0.00500	--	**0.102**	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2008	--	<0.00500	--	<0.0700	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	09/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2008	--	<0.00500	--	<0.0700	--	--	--	--	--	--	--	--	--	--
Trip Blank	7/15/2008	--	<0.00500	--	<0.0700	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/30/2009	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/19/2009	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/20/2010	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/10/2010	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/27/2010	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/24/2011	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	7/26/2011	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/10/2011	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	1,1-Dichloroethane mg/L	1,2-Dichloroethane (mg/L)	1,1-Dichloroethene (Dichloroethylene) mg/L	cis-1,2-Dichloroethene (mg/L)	trans-1,2-Dichloroethene mg/L	1,2-Dichloropropane mg/L	1,3-Dichloropropane (mg/L)	2,2-Dichloropropane (mg/L)	1,1-Dichloropropene (mg/L)	cis-1,3-Dichloropropene mg/L	trans-1,3-Dichloropropene mg/L	Di-isopropyl ether (mg/L)	Hexachloro-1,3-butadiene (Hexachlorobutadiene) (mg/L)	Isopropylbenzene mg/L
ADEC Groundwater Cleanup Levels		**0.028**	**0.0017**	**0.28**	**0.036**	**0.36**	**0.0082**	**--**	**--**	**--**	**--**	**--**	**--**	**0.0014**	**0.45**
Trip Blank	6/20/2012	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/5/2012	--	<0.00050	--	<0.00080	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/30/2013	--	<0.00037	--	<0.000085	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/8/2013	--	<0.00022	--	<0.00023	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/2014	--	<0.00013	--	<0.00013	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/7/2014	--	<0.00013	--	<0.00013	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/21/2016	--	<0.00050	--	<0.00050	--	--	--	--	--	--	--	--	--	--
Trip Blank	11/1/2016	--	<0.00050	--	<0.00050	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2017	--	<0.00050	--	<0.00050	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/27/2018	--	<0.00050	--	<0.00050	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/18/2018	--	<0.00200	--	<0.0002	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/3/2019	--	<0.0003	--	<0.0002	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/11/2019	--	< 0.000024	--	< 0.00069	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Trip Blank	8/26/2021	<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 J
Trip Blank	04/04/2022	<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 J	<0.00100
Tudor Motel	9/21/2007	--	<0.00500	--	<0.0001	--	--	--	--	--	--	--	--	--	--
Tudor Motel	5/1/2008	--	<0.00500	--	<0.0700	--	--	--	--	--	--	--	--	--	--
Tudor Motel	7/15/2008	--	<0.0001	--	<0.0001	--	--	--	--	--	--	--	--	--	--
Equipment Blank	4/22/2020	<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
Equipment Blank	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100 J	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Equipment Blank	4/7/2021	<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
Equipment Blank	8/26/2021	<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 J
Equipment Blank	04/04/2022	<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 J	<0.00100

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	p-Isopropyltoluene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	Methylene chloride (mg/L)	4-Methyl-2-pentanone mg/L	n-Propylbenzene (mg/L)	Styrene mg/L	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane mg/L	Tetrachloroethene (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		**--**	**5.6**	**0.11**	**6.3**	**0.66**	**1.2**	**0.0057**	**0.00076**	**0.041**	**0.007**	**0.004**	**8**	**0.00041**
MW-1R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1R	5/1/2008	--	--	<0.00500	--	--	--	--	--	<0.00500	--	--	--	--
MW-1R	7/15/2008	--	--	**0.021**	--	--	--	--	--	<0.00800	--	--	--	--
MW-1R	5/14/2009	--	--	<0.0020000 / <0.0020000	--	--	--	--	--	<0.00800 / <0.00800	--	--	--	--
MW-1R	8/26/2009	--	--	<0.0020000 / <0.0020000	--	--	--	--	--	<0.00800 / <0.00800	--	--	--	--
MW-1R	6/15/2010	--	--	<0.0020000 / <0.0020000	--	--	--	--	--	<0.00800 / <0.00800	--	--	--	--
MW-1R	9/5/2010	--	--	<0.01000 / <0.01000	--	--	--	--	--	<0.00400 / <0.00400	--	--	--	--
MW-1R	5/24/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-1R	5/24/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-1R	11/10/2011	--	--	<0.00200 / <0.00200	--	--	--	--	--	<0.00080 / <0.00080	--	--	--	--
MW-1R	6/20/2012	--	--	<0.00200 / <0.00200	--	--	--	--	--	0.0009 J / <0.00080	--	--	--	--
MW-1R	11/5/2012	--	--	<0.00200 / <0.00200	--	--	--	--	--	<0.00080 / <0.00080	--	--	--	--
MW-1R	4/30/2013	--	--	<0.00200 / <0.00200	--	--	--	--	--	**0.0013 / 0.0012**	--	--	--	--
MW-1R	4/30/2013	--	--	<0.00200 / <0.00200	--	--	--	--	--	**0.0012 / 0.001**	--	--	--	--
MW-1R	11/8/2013	--	--	<0.01000 / <0.01000	--	--	--	--	--	**0.0021 J / 0.0020 J**	--	--	--	--
MW-1R	4/28/2014	--	--	<0.002000 / <0.002000	--	--	--	--	--	**0.0024 / 0.0022**	--	--	--	--
MW-1R	4/28/2014	--	--	<0.01000 / <0.002000	--	--	--	--	--	<0.00078 UJ / **0.0017 J**	--	--	--	--
MW-1R	11/7/2014	--	--	<0.01000 / <0.01000	--	--	--	--	--	**0.0019 J / 0.0016 J**	--	--	--	--
MW-1R	4/29/2015	--	--	<0.00200	--	--	--	--	--	<0.00050	--	--	--	--
MW-1R	11/6/2015	--	--	<0.00400	--	--	--	--	--	<0.00100	--	--	--	--
MW-1R	4/21/2016	--	--	<0.00200	--	--	--	--	--	<0.00050	--	--	--	--
MW-1R	11/1/2016	--	--	<0.00200	--	--	--	--	--	<0.00050	--	--	--	--
MW-1R	5/1/2017	--	--	<0.00200	--	--	--	--	--	**0.0007 J**	--	--	--	--
MW-1R	10/17/2017	--	--	<0.00050	--	--	--	--	--	<0.00050	--	--	--	--
MW-1R	4/27/2018	--	--	<0.00050	--	--	--	--	--	<0.00050	--	--	--	--
MW-1R	10/18/2018	**--**	--	<0.00100	--	**--**	**--**	**--**	<0.00100	<0.00100	--	<0.00500	<0.00100	***<0.00100***
MW-1R	4/9/2019	--	<0.010	<0.00100 [<0.00100]	<0.010 [<0.010]	--	<0.00500 [<0.00500]	<0.00100 [<0.00100]	--	<0.00100 [**0.0004 J**]	--	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]
MW-1R	9/11/2019	<0.00300	<0.020	<0.00500	<0.015	<0.00300	<0.00500	<0.00050	<0.00050	**0.00013 J**	<0.00500	<0.00200	<0.00300	<0.00050
MW-1R	10/9/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-1R	4/7/2021	<0.00100	<0.0100	<0.00500	<0.0100	0.001	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-1R	8/26/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100 J	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-1R	04/04/2022	<0.00100	<0.0100 J	<0.00500	<0.0100 J	<0.00100	<0.00100	<0.00100	***<0.00100***	**0.000905 J**	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-2R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2R	5/1/2008	--	--	<0.00500 / <0.00500	--	--	--	--	--	<0.00500 / 0.00079	--	--	--	--
MW-2R	7/15/2008	--	--	<0.01000 / <0.00500	--	--	--	--	--	<0.00400 / <0.00500	--	--	--	--
MW-2R	5/14/2009	--	--	<0.00400	--	--	--	--	--	<0.00200	--	--	--	--
MW-2R	8/26/2009	--	--	<0.01000	--	--	--	--	--	<0.00400	--	--	--	--
MW-2R	6/15/2010	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-2R	9/5/2010	--	--	<0.00200	--	--	--	--	--	**0.001 J**	--	--	--	--
MW-2R	5/24/2011	--	--	<0.00200 / <0.00200	--	--	--	--	--	<0.00080 / <0.00080	--	--	--	--
MW-2R	11/10/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-2R	6/20/2012	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-2R	11/8/2012	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-2R	4/30/2013	--	--	<0.00200	--	--	--	--	--	**0.00089 J**	--	--	--	--
MW-2R	4/30/2013	--	--	<0.00200	--	--	--	--	--	**0.00045 J**	--	--	--	--
MW-2R	11/8/2013	--	--	<0.002000	--	--	--	--	--	**0.00047 J**	--	--	--	--
MW-2R	4/28/2014	--	--	<0.002000	--	--	--	--	--	**0.00077 J**	--	--	--	--
MW-2R	4/28/2014	--	--	<0.002000	--	--	--	--	--	**0.00027 J**	--	--	--	--
MW-2R	11/7/2014	--	--	<0.01000	--	--	--	--	--	<0.00078	--	--	--	--
MW-2R	4/29/2015	--	--	<0.00200 / <0.00200	--	--	--	--	--	<0.00050 / <0.00050	--	--	--	--
MW-2R	11/6/2015	--	--	<0.00400 / <0.01000	--	--	--	--	--	<0.00100 / <0.003	--	--	--	--
MW-2R	4/21/2016	--	--	<0.00200 / <0.02	--	--	--	--	--	**0.0006 J / <0.00500**	--	--	--	--
MW-2R	11/1/2016	--	--	<0.00200 / <0.00200	--	--	--	--	--	**0.0008 J / 0.0008 J**	--	--	--	--
MW-2R	5/1/2017	--	--	<0.00200 / <0.00200	--	--	--	--	--	**0.0006 J / 0.0006 J**	--	--	--	--
MW-2R	10/17/2017	--	--	<0.00050 / <0.00050	--	--	--	--	--	**0.0009 J / 0.0008 J**	--	--	--	--
MW-2R	4/27/2018	--	--	<0.00050 / <0.00050	--	--	--	--	--	<0.00050 / <0.00050	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	p-Isopropyltoluene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	Methylene chloride (mg/L)	4-Methyl-2-pentanone mg/L	n-Propylbenzene (mg/L)	Styrene mg/L	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane mg/L	Tetrachloroethene (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		**--**	**5.6**	**0.11**	**6.3**	**0.66**	**1.2**	**0.0057**	**0.00076**	**0.041**	**0.007**	**0.004**	**8**	**0.00041**
MW-2R	10/18/2018	**--**	--	<0.00100 [<0.00100]	--	**--**	**--**	**--**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	<0.00500 [<0.00500]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***
MW-2R	4/9/2019	--	<0.0100	<0.00100	<0.0100	--	<0.00500	<0.00100	--	**0.0004 J**	--	<0.00500	<0.00100	***<0.00100***
MW-2R	9/11/2019	<0.00300	<0.020	<0.00500	<0.015	**0.015**	<0.00500	<0.00050	<0.00050	**0.00037 J**	<0.00500	<0.00200	<0.00300	<0.00050
MW-2R	4/22/2020	**0.00299**	<0.0100	<0.00500	<0.0100	**0.0178**	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-2R	10/9/2020	**0.0182 [0.018]**	<0.0100 [<0.010000]	<0.00500 [<0.00500]	<0.0100 [<0.010000]	**0.101 [0.0967]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***
MW-2R	4/7/2021	**0.0221** [<0.00100]	<0.0100 [<0.010000]	<0.00500 [<0.00500]	<0.0100 [<0.010000]	**0.0579 [0.0589]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	**0.000422 J** [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***
MW-2R	8/26/2021	**0.0315 [0.0292]**	<0.0100 [<0.010000]	<0.00500 [<0.00500]	<0.0100 [<0.010000]	**0.1 J [0.0945 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***
MW-2R	04/04/2022	**0.00273 J [0.003 J]**	<0.0100 J [<0.0100] J	<0.00500 [<0.00500]	<0.0100 J [<0.0100] J	**0.081 J [0.0854 J]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 J [<0.00100 J]***	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***
MW-8R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	5/1/2008	--	--	<0.00500	--	--	--	--	--	**0.00695**	--	--	--	--
MW-8R	7/15/2008	--	--	<0.020	--	--	--	--	--	<0.00800	--	--	--	--
MW-8R	5/14/2009	--	--	<0.01000	--	--	--	--	--	**0.005**	--	--	--	--
MW-8R	8/26/2009	--	--	**0.023 J**	--	--	--	--	--	<0.00800	--	--	--	--
MW-8R	4/20/2010	--	--	<0.01000 / <0.01000	--	--	--	--	--	0.005 J / <0.00400	--	--	--	--
MW-8RR	7/26/2011	--	--	<0.00400	--	--	--	--	--	**0.011**	--	--	--	--
MW-8RR	11/10/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
MW-8RR	6/20/2012	--	--	<0.00200	--	--	--	--	--	**0.0008 J**	--	--	--	--
MW-8RR	11/8/2012	--	--	<0.00200	--	--	--	--	--	**0.002 J**	--	--	--	--
MW-8RR	4/30/2013	--	--	<0.00200	--	--	--	--	--	**0.0019**	--	--	--	--
MW-8RR	4/30/2013	--	--	<0.00200	--	--	--	--	--	**0.002**	--	--	--	--
MW-8RR	11/8/2013	--	--	<0.002000	--	--	--	--	--	**0.0032**	--	--	--	--
MW-8RR	4/28/2014	--	--	<0.002000	--	--	--	--	--	**0.0042**	--	--	--	--
MW-8RR	4/28/2014	--	--	<0.002000	--	--	--	--	--	**0.0042**	--	--	--	--
MW-8RR	11/7/2014	--	--	<0.002000	--	--	--	--	--	**0.0024**	--	--	--	--
MW-8RR	4/29/2015	--	--	<0.00200	--	--	--	--	--	**0.001**	--	--	--	--
MW-8RR	11/6/2015	--	--	<0.00400	--	--	--	--	--	<0.00100	--	--	--	--
MW-8RR	4/21/2016	--	--	<0.00200	--	--	--	--	--	**0.002**	--	--	--	--
MW-8RR	11/1/2016	--	--	<0.00200	--	--	--	--	--	**0.004**	--	--	--	--
MW-8RR	5/1/2017	--	--	<0.00200	--	--	--	--	--	**0.004**	--	--	--	--
MW-8RR	10/17/2017	**--**	--	<0.00050	--	**--**	**--**	**--**	--	**0.003**	--	--	--	--
MW-8RR	4/27/2018	**--**	--	<0.00050	--	**--**	**--**	**--**	--	**0.002**	--	--	--	--
MW-8RR	10/18/2018	**--**	--	<0.00100	--	**--**	**--**	**--**	<0.00100	**0.003**	--	<0.00500	<0.00100	***<0.00100***
MW-8RR	4/9/2019	--	<0.0100	<0.00100	<0.0100	--	<0.00500	<0.00100	--	**0.003**	--	<0.00500	<0.00100	***<0.00100***
MW-8RR	9/11/2019	<0.00300 [<0.00300]	<0.020 [<0.020]	<0.00500 [<0.00500]	<0.015 [<0.015]	<0.00300 [<0.00300]	<0.00500 [<0.00500]	<0.00050 [<0.00050]	<0.00050 [<0.00050]	**0.0018 [0.0017]**	<0.00500 [<0.00500]	<0.00200 [<0.00200]	<0.00300 [<0.00300]	***<0.00050 [<0.00050]***
MW-8RR	4/22/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	***<0.00100***	**0.00208 J**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-8RR	10/9/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	**0.00287 J**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-8RR	4/7/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8RR	8/26/2021	0.000796 J	<0.0100	<0.00500	<0.0100	0.00108 J	<0.00100	<0.00100 J	***<0.00100***	**0.00159 J**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-8RR	04/04/2022	<0.00100 J	<0.0100 J	<0.00500	<0.0100 J	0.000124 J	<0.00100	<0.00100	***<0.00100 J***	**0.00183**	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-9	2/1/1992	**--**	--	**--**	--	--	--	--	--	**--**	--	--	--	--
MW-9	5/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1992	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/1/1993	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/1/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/22/1994	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/31/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/20/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/23/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/16/1995	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	p-Isopropyltoluene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	Methylene chloride (mg/L)	4-Methyl-2-pentanone mg/L	n-Propylbenzene (mg/L)	Styrene mg/L	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane mg/L	Tetrachloroethene (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		**--**	**5.6**	**0.11**	**6.3**	**0.66**	**1.2**	**0.0057**	**0.00076**	**0.041**	**0.007**	**0.004**	**8**	**0.00041**
MW-9	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/19/2000	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/1/2008	--	--	<0.00500	--	--	--	--	--	**0.27**	--	--	--	--
MW-9	7/15/2008	--	--	<0.00200	--	--	--	--	--	**0.21**	--	--	--	--
MW-9	5/14/2009	--	--	<0.00200	--	--	--	--	--	**0.097**	--	--	--	--
MW-9	8/26/2009	--	--	<0.00200	--	--	--	--	--	**0.20**	--	--	--	--
MW-9	4/20/2010	**--**	--	<0.00200	--	--	--	--	--	**0.28 J**	--	--	--	--
MW-9	9/5/2010	**--**	--	**--**	--	--	--	--	--	**--**	--	--	--	--
MW-9	5/24/2011	**--**	--	<0.00200	--	--	--	--	--	**0.055**	--	--	--	--
MW-9	11/10/2011	**--**	--	<0.00200	--	--	--	--	--	**0.034**	--	--	--	--
MW-9	6/20/2012	--	--	<0.00200	--	--	--	--	--	**0.013**	--	--	--	--
MW-9	4/30/2013	--	--	<0.00200	--	--	--	--	--	**0.293**	--	--	--	--
MW-9	4/30/2013	--	--	<0.00200	--	--	--	--	--	**0.216**	--	--	--	--
MW-9	11/8/2013	--	--	<0.002000	--	--	--	--	--	**0.024**	--	--	--	--
MW-9	4/28/2014	--	--	<0.002000	--	--	--	--	--	**0.18**	--	--	--	--
MW-9	4/28/2014	--	--	<0.002000	--	--	--	--	--	**0.018**	--	--	--	--
MW-9	11/7/2014	--	--	<0.002000	--	--	--	--	--	**0.12**	--	--	--	--
MW-9	4/29/2015	--	--	<0.00200	--	--	--	--	--	**0.008**	--	--	--	--
MW-9	11/6/2015	--	--	<0.00400	--	--	--	--	--	**0.12**	--	--	--	--
MW-9	4/21/2016	--	--	<0.00200	--	--	--	--	--	**0.012**	--	--	--	--
MW-9	11/1/2016	--	--	<0.00200	--	--	--	--	--	**0.012**	--	--	--	--
MW-9	5/1/2017	--	--	<0.01000	--	--	--	--	--	**0.026**	--	--	--	--
MW-9	10/17/2017	--	--	<0.00050	--	--	--	--	--	**0.012**	--	--	--	--
MW-9	4/27/2018	--	--	<0.00050	--	--	--	--	--	**0.054**	--	--	--	--
MW-9	10/18/2018	--	--	<0.00100	--	--	--	<0.00100	--	**0.082**	<0.0005	<0.0005	<0.00100	***<0.00100***
MW-9	4/9/2019	--	<0.0100	<0.00100	<0.0100	--	<0.00500	<0.00100	--	**0.085**	--	<0.00500	<0.00100	***<0.00100***
MW-9	9/11/2019	<0.00300	<0.020	<0.00500	<0.015	**0.015**	<0.00500	<0.00050	<0.00050	**0.00037 J**	<0.00500	<0.00200	<0.00300	<0.00050
MW-9	4/22/2020	<0.00100 [<0.00100]	<0.0100 [<0.010000]	<0.00500 [<0.00500]	<0.0100 [<0.010000]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	**0.0828 [0.0805]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***
MW-9	10/9/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	**0.0719**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-9	4/7/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	**0.0922 J**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-9	8/26/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	**0.0452 J**	<0.00100	<0.00100	<0.00100	***<0.00100***
MW-9	04/04/2022	<0.00100 J	<0.0100 J	<0.00500	<0.0100 J	<0.00100 J	<0.00100	<0.00100	***<0.00100 J***	**0.0373**	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
MW-16	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	10/02/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	p-Isopropyltoluene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	Methylene chloride (mg/L)	4-Methyl-2-pentanone mg/L	n-Propylbenzene (mg/L)	Styrene mg/L	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane mg/L	Tetrachloroethene (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		**--**	**5.6**	**0.11**	**6.3**	**0.66**	**1.2**	**0.0057**	**0.00076**	**0.041**	**0.007**	**0.004**	**8**	**0.00041**
MW-16	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	9/12/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	5/1/2008	--	--	<0.00500	--	--	--	--	--	**0.197**	--	--	--	--
MW-16	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	8/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	5/1/2008	--	--	<0.00500	--	--	--	--	--	<0.00500	--	--	--	--
MW-17	5/14/2009	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	1/30/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/2/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	8/26/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/16/1996	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/10/1997	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/19/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	09/23/1998	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	4/28/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/13/1999	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2001	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/20/2002	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/20/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	10/2/2003	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	6/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2004	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/12/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	5/1/2008	--	--	<0.00500	--	--	--	--	--	<0.00500	--	--	--	--
Trip Blank	7/15/2008	--	--	<0.00500	--	--	--	--	--	<0.00500	--	--	--	--
Trip Blank	4/30/2009	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	8/19/2009	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	4/20/2010	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	6/10/2010	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	8/27/2010	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	5/24/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	7/26/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	11/10/2011	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	p-Isopropyltoluene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	Methylene chloride (mg/L)	4-Methyl-2-pentanone mg/L	n-Propylbenzene (mg/L)	Styrene mg/L	1,1,1,2-Tetrachloroethane (mg/L)	1,1,2,2-Tetrachloroethane mg/L	Tetrachloroethene (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		**--**	**5.6**	**0.11**	**6.3**	**0.66**	**1.2**	**0.0057**	**0.00076**	**0.041**	**0.007**	**0.004**	**8**	**0.00041**
Trip Blank	6/20/2012	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	11/5/2012	--	--	<0.00200	--	--	--	--	--	<0.00080	--	--	--	--
Trip Blank	4/30/2013	--	--	<0.00200	--	--	--	--	--	<0.00013	--	--	--	--
Trip Blank	11/8/2013	--	--	<0.002000	--	--	--	--	--	<0.00029	--	--	--	--
Trip Blank	4/28/2014	--	--	<0.002000	--	--	--	--	--	<0.00016	--	--	--	--
Trip Blank	11/7/2014	--	--	<0.002000	--	--	--	--	--	<0.00016	--	--	--	--
Trip Blank	4/21/2016	--	--	<0.00200	--	--	--	--	--	<0.00050	--	--	--	--
Trip Blank	11/1/2016	--	--	<0.00200	--	--	--	--	--	<0.00050	--	--	--	--
Trip Blank	5/1/2017	--	--	<0.00200	--	--	--	--	--	<0.00050	--	--	--	--
Trip Blank	4/27/2018	--	--	<0.00050	--	--	--	--	--	<0.00050	--	--	--	--
Trip Blank	10/18/2018	--	--	<0.0002	--	--	--	--	--	<0.0002	--	--	--	--
Trip Blank	4/3/2019	--	--	<0.0003	--	--	--	--	--	<0.0002	--	--	--	--
Trip Blank	9/11/2019	--	--	< 0.0014	--	--	--	--	--	**0.000020 J**	--	--	--	--
Trip Blank	4/22/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
Trip Blank	10/9/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
Trip Blank	4/7/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
Trip Blank	8/26/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100 J	<0.00100	<0.00100	<0.00100	***<0.00100***
Trip Blank	04/04/2022	<0.00100 J	<0.0100 J	<0.00500	<0.0100 J	<0.00100 J	<0.00100	<0.00100	***<0.00100 J***	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***
Tudor Motel	9/21/2007	--	--	<0.00050	--	--	--	--	--	<0.0001	--	--	--	--
Tudor Motel	5/1/2008	--	--	<0.00050	--	--	--	--	--	<0.00500	--	--	--	--
Tudor Motel	7/15/2008	--	--	<0.00050	--	--	--	--	--	<0.0001	--	--	--	--
Equipment Blank	4/22/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
Equipment Blank	10/9/2020	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
Equipment Blank	4/7/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***
Equipment Blank	8/26/2021	<0.00100	<0.0100	<0.00500	<0.0100	<0.00100 J	<0.00100	<0.00100	***<0.00100***	<0.00100 J	<0.00100	<0.00100	<0.00100	***<0.00100***
Equipment Blank	04/04/2022	<0.00100 J	<0.0100 J	<0.00500	<0.0100 J	<0.00100 J	<0.00100	<0.00100	***<0.00100 J***	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Trichloroethene (mg/L)	Trichlorofluoromethane (Freon 11) mg/L	1,2,3-Trichloropropane (mg/L)	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	1,2,3-Trimethylbenzene (mg/L)	1,2,4-Trimethylbenzene mg/L	1,3,5-Trimethylbenzene (mg/L)	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0028**	**5.2**	**0.0000075**	**10**	**--**	**0.056**	**0.06**	**0.00019**	
MW-1R	9/24/2006	--	--	--	--	--	--	--	--	
MW-1R	5/14/2007	--	--	--	--	--	--	--	--	
MW-1R	9/21/2007	--	--	--	--	--	--	--	--	
MW-1R	5/1/2008	**0.004**	--	--	--	--	--	--	--	
MW-1R	7/15/2008	<0.0100	--	--	--	--	--	--	--	
MW-1R	5/14/2009	<0.01000 / <0.01000	--	--	--	--	--	--	--	
MW-1R	8/26/2009	<0.01000 / <0.01000	--	--	--	--	--	--	--	
MW-1R	6/15/2010	<0.01000 / <0.01000	--	--	--	--	--	--	--	
MW-1R	9/5/2010	<0.00500 / <0.00500	--	--	--	--	--	--	--	
MW-1R	5/24/2011	**0.001 J**	--	--	--	--	--	--	--	
MW-1R	5/24/2011	**0.001 J**	--	--	--	--	--	--	--	
MW-1R	11/10/2011	<0.00100 / <0.00100	--	--	--	--	--	--	--	
MW-1R	6/20/2012	<0.00100 / <0.00100	--	--	--	--	--	--	--	
MW-1R	11/5/2012	<0.00100 / <0.00100	--	--	--	--	--	--	--	
MW-1R	4/30/2013	**0.00013 J / 0.00015 J**	--	--	--	--	--	--	--	
MW-1R	4/30/2013	**0.00011 J / 0.00012 J**	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-1R	11/8/2013	<0.00060 / <0.00060	--	--	--	--	--	--	--	
MW-1R	4/28/2014	0.00065 / 0.00061	--	--	--	--	--	--	--	
MW-1R	4/28/2014	<0.00046 / 0.00066	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-1R	11/7/2014	<0.00046 / <0.00046	--	--	--	--	--	--	--	
MW-1R	4/29/2015	<0.00050	--	--	--	--	--	--	--	
MW-1R	11/6/2015	<0.00100	--	--	--	--	--	--	--	
MW-1R	4/21/2016	<0.00050	--	--	--	--	--	--	--	
MW-1R	11/1/2016	<0.00050	--	--	--	--	--	--	--	
MW-1R	5/1/2017	<0.00050	--	--	--	--	--	--	--	
MW-1R	10/17/2017	<0.00050	--	--	--	--	--	--	--	
MW-1R	4/27/2018	<0.00050	--	--	--	--	--	--	--	
MW-1R	10/18/2018	<0.00100	<0.00100	***<0.00500***	<0.010	**--**	--	**--**	***<0.00100***	
MW-1R	4/9/2019	<0.00100 [<0.00100]	<0.00100 [<0.00100]	--	<0.00100 [<0.00100]	--	--	--	***<0.00100 [<0.00100]***	
MW-1R	9/11/2019	<0.00050	<0.00300	***<0.00029***	--	--	<0.00300	<0.00300	***<0.00050***	
MW-1R	10/9/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-1R	4/7/2021	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	0.000258	***<0.00100***	
MW-1R	8/26/2021	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	0.000169 J	***<0.00100***	
MW-1R	04/04/2022	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100 J	<0.00100	***<0.00100***	<0.0000050000
MW-2R	9/24/2006	--	--	--	--	--	--	--	--	
MW-2R	5/14/2007	--	--	--	--	--	--	--	--	
MW-2R	9/21/2007	--	--	--	--	--	--	--	--	
MW-2R	5/1/2008	<0.00500 / <0.00500	--	--	--	--	--	--	--	
MW-2R	7/15/2008	<0.00500 / <0.00500	--	--	--	--	--	--	--	
MW-2R	5/14/2009	<0.00200	--	--	--	--	--	--	--	
MW-2R	8/26/2009	<0.00500	--	--	--	--	--	--	--	
MW-2R	6/15/2010	<0.00100	--	--	--	--	--	--	--	
MW-2R	9/5/2010	<0.00100	--	--	--	--	--	--	--	
MW-2R	5/24/2011	<0.00100 / <0.00100	--	--	--	--	--	--	--	
MW-2R	11/10/2011	<0.00100	--	--	--	--	--	--	--	
MW-2R	6/20/2012	<0.00100	--	--	--	--	--	--	--	
MW-2R	11/8/2012	<0.00100	--	--	--	--	--	--	--	
MW-2R	4/30/2013	<0.000083	--	--	--	--	--	--	--	
MW-2R	4/30/2013	<0.000083	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/8/2013	<0.00012	--	--	--	--	--	--	--	
MW-2R	4/28/2014	<0.000091	--	--	--	--	--	--	--	
MW-2R	4/28/2014	<0.000091	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/7/2014	<0.00046	--	--	--	--	--	--	--	
MW-2R	4/29/2015	<0.00050 / <0.00050	--	--	--	--	--	--	--	
MW-2R	11/6/2015	<0.00100 / <0.003	--	--	--	--	--	--	--	
MW-2R	4/21/2016	<0.00050 / <0.00500	--	--	--	--	--	--	--	
MW-2R	11/1/2016	<0.00050 / <0.00050	--	--	--	--	--	--	--	
MW-2R	5/1/2017	<0.00050 / <0.00050	--	--	--	--	--	--	--	
MW-2R	10/17/2017	<0.00050 / <0.00050	--	--	--	--	--	--	--	
MW-2R	4/27/2018	<0.00050 / <0.00050	--	--	--	--	--	--	--	

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Trichloroethene (mg/L)	Trichlorofluoromethane (Freon 11) mg/L	1,2,3-Trichloropropane (mg/L)	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	1,2,3-Trimethylbenzene (mg/L)	1,2,4-Trimethylbenzene mg/L	1,3,5-Trimethylbenzene (mg/L)	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0028**	**5.2**	**0.0000075**	**10**	**--**	**0.056**	**0.06**	**0.00019**	
MW-2R	10/18/2018	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00500 [<0.00500]***	<0.010 [<0.010]	**--**	--	**--**	***<0.00100 [<0.00100]***	
MW-2R	4/9/2019	<0.00100	<0.00100	--	<0.00100	--	--	--	***<0.00100***	
MW-2R	9/11/2019	**0.00011 J**	<0.00300	***<0.00029***	--	--	<0.00300	<0.00300	***<0.00050***	
MW-2R	4/22/2020	<0.00100	<0.00500	***<0.000100***	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-2R	10/9/2020	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	**0.00419 [0.00412]**	**0.151 [0.145]**	**0.0181 [0.0171]**	***<0.00100 [<0.00100]***	
MW-2R	4/7/2021	**0.000555 J** [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	**0.00398 [0.00399]**	**0.0563 [0.0567]**	**0.0138 [0.0132]**	***<0.00100 [<0.00100]***	
MW-2R	8/26/2021	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	**0.00453 [0.00437]**	**0.092 [0.0853]**	**0.0581 [0.0537]**	***<0.00100 [<0.00100]***	
MW-2R	04/04/2022	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	**0.00294 J [0.00312 J]**	**0.0178 J [0.0195 J]**	**0.00108 J [0.00186 J]**	***<0.00100 [<0.00100]***	<0.000125 [<0.000125]
MW-8R	9/24/2006	--	--	--	--	--	--	--	--	
MW-8R	5/14/2007	--	--	--	--	--	--	--	--	
MW-8R	9/21/2007	--	--	--	--	--	--	--	--	
MW-8R	5/1/2008	<0.00500	--	--	--	--	--	--	--	
MW-8R	7/15/2008	<0.01000	--	--	--	--	--	--	--	
MW-8R	5/14/2009	<0.00500	--	--	--	--	--	--	--	
MW-8R	8/26/2009	<0.01000	--	--	--	--	--	--	--	
MW-8R	4/20/2010	<0.00500 / <0.00500	--	--	--	--	--	--	--	
MW-8RR	7/26/2011	<0.00200	--	--	--	--	--	--	--	
MW-8RR	11/10/2011	<0.00100	--	--	--	--	--	--	--	
MW-8RR	6/20/2012	<0.00100	--	--	--	--	--	--	--	
MW-8RR	11/8/2012	<0.00100	--	--	--	--	--	--	--	
MW-8RR	4/30/2013	<0.000083	--	--	--	--	--	--	--	
MW-8RR	4/30/2013	<0.000083	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-8RR	11/8/2013	<0.00012	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	<0.000091	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	<0.000091	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-8RR	11/7/2014	<0.000091	--	--	--	--	--	--	--	
MW-8RR	4/29/2015	<0.00050	--	--	--	--	--	--	--	
MW-8RR	11/6/2015	<0.00100	--	--	--	--	--	--	--	
MW-8RR	4/21/2016	<0.00050	--	--	--	--	--	--	--	
MW-8RR	11/1/2016	<0.00050	--	--	--	--	--	--	--	
MW-8RR	5/1/2017	<0.00050	--	--	--	--	--	--	--	
MW-8RR	10/17/2017	<0.00050	**--**	**--**	--	**--**	--	**--**	**--**	
MW-8RR	4/27/2018	<0.00050	**--**	**--**	--	**--**	--	**--**	**--**	
MW-8RR	10/18/2018	<0.00100	<0.00100	***<0.00500***	<0.010	**--**	--	**--**	***<0.00100***	
MW-8RR	4/9/2019	<0.00100	<0.00100	--	<0.00100	--	--	--	***<0.00100***	
MW-8RR	9/11/2019	**0.000057 J [0.000070 J]**	<0.00300 [<0.00300]	***<0.000029 [<0.000029]***	--	--	<0.00300 [<0.00300]	<0.00300 [<0.00300]	***<0.00050 [<0.00050]***	
MW-8RR	4/22/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-8RR	10/9/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-8RR	4/7/2021	--	--	--	--	--	**--**	--	--	Unable to be located
MW-8RR	8/26/2021	<0.00100 J	<0.00500	<0.00000500	<0.00100 J	<0.00100	**0.000995 J**	**0.000645 J**	***<0.00100 J***	
MW-8RR	04/04/2022	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***	**0.000012**
MW-9	2/1/1992	**--**	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	5/1/1992	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	9/1/1992	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	11/1/1992	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	5/1/1993	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	8/1/1993	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	11/1/1993	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	3/1/1994	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	6/1/1994	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	8/1/1994	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-9	12/22/1994	--	--	--	--	--	--	--	--	
MW-9	3/31/1995	--	--	--	--	--	--	--	--	
MW-9	6/20/1995	--	--	--	--	--	--	--	--	
MW-9	8/23/1995	--	--	--	--	--	--	--	--	
MW-9	11/16/1995	--	--	--	--	--	--	--	--	
MW-9	1/30/1996	--	--	--	--	--	--	--	--	
MW-9	6/2/1996	--	--	--	--	--	--	--	--	
MW-9	8/26/1996	--	--	--	--	--	--	--	--	

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
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Well ID	Sample Date	Trichloroethene (mg/L)	Trichlorofluoromethane (Freon 11) mg/L	1,2,3-Trichloropropane (mg/L)	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	1,2,3-Trimethylbenzene (mg/L)	1,2,4-Trimethylbenzene mg/L	1,3,5-Trimethylbenzene (mg/L)	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0028**	**5.2**	**0.0000075**	**10**	**--**	**0.056**	**0.06**	**0.00019**	
MW-9	10/16/1996	--	--	--	--	--	--	--	--	
MW-9	4/28/1997	--	--	--	--	--	--	--	--	
MW-9	9/10/1997	--	--	--	--	--	--	--	--	
MW-9	4/19/1998	--	--	--	--	--	--	--	--	
MW-9	9/23/1998	--	--	--	--	--	--	--	--	
MW-9	4/28/1999	--	--	--	--	--	--	--	--	
MW-9	10/13/1999	--	--	--	--	--	--	--	--	
MW-9	5/19/2000	--	--	--	--	--	--	--	--	
MW-9	9/27/2000	--	--	--	--	--	--	--	--	
MW-9	5/5/2001	--	--	--	--	--	--	--	--	
MW-9	8/2/2001	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-9	10/2/2001	--	--	--	--	--	--	--	--	
MW-9	5/1/2002	--	--	--	--	--	--	--	--	
MW-9	9/20/2002	--	--	--	--	--	--	--	--	
MW-9	5/20/2003	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-9	10/2/2003	--	--	--	--	--	--	--	--	
MW-9	6/1/2004	--	--	--	--	--	--	--	--	
MW-9	9/21/2004	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-9	5/12/2005	--	--	--	--	--	--	--	--	
MW-9	9/19/2005	--	--	--	--	--	--	--	--	
MW-9	5/8/2006	--	--	--	--	--	--	--	--	
MW-9	9/24/2006	--	--	--	--	--	--	--	--	
MW-9	5/14/2007	--	--	--	--	--	--	--	--	
MW-9	9/21/2007	--	--	--	--	--	--	--	--	
MW-9	5/1/2008	**0.05**	--	--	--	--	--	--	--	
MW-9	7/15/2008	**0.043**	--	--	--	--	--	--	--	
MW-9	5/14/2009	**0.025**	--	--	--	--	--	--	--	
MW-9	8/26/2009	**0.036**	--	--	--	--	--	--	--	
MW-9	4/20/2010	**0.044**	--	--	--	--	--	--	--	
MW-9	9/5/2010	**--**	--	--	--	--	--	--	--	
MW-9	5/24/2011	**0.011**	--	--	--	--	--	--	--	
MW-9	11/10/2011	**0.005**	--	--	--	--	--	--	--	
MW-9	6/20/2012	**0.006**	--	--	--	--	--	--	--	
MW-9	4/30/2013	**0.0492**	--	--	--	--	--	--	--	
MW-9	4/30/2013	**0.0441**	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-9	11/8/2013	**0.0055**	--	--	--	--	--	--	--	
MW-9	4/28/2014	**0.033**	--	--	--	--	--	--	--	
MW-9	4/28/2014	<0.004001	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-9	11/7/2014	**0.023**	--	--	--	--	--	--	--	
MW-9	4/29/2015	**0.003**	--	--	--	--	--	--	--	
MW-9	11/6/2015	**0.025**	--	--	--	--	--	--	--	
MW-9	4/21/2016	**0.003**	--	--	--	--	--	--	--	
MW-9	11/1/2016	**0.003**	--	--	--	--	--	--	--	
MW-9	5/1/2017	**0.008**	--	--	--	--	--	--	--	
MW-9	10/17/2017	**0.003**	--	--	--	--	--	--	--	
MW-9	4/27/2018	**0.014**	--	--	--	--	--	--	--	
MW-9	10/18/2018	**0.022**	<0.00100	***<0.00500***	<0.010	--	--	--	***<0.00100***	
MW-9	4/9/2019	**0.023**	<0.00100	--	<0.00100	--	--	--	***<0.00100***	
MW-9	9/11/2019	**0.022**	<0.00300	***<0.00029***	--	--	<0.00300	<0.00300	***0.00017 J***	
MW-9	4/22/2020	**0.0219 [0.0216]**	<0.00500 [<0.00500]	<0.00000500 [<0.00000500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	
MW-9	10/9/2020	**0.0185 J**	<0.00500	<0.00000500	<0.00100	**0.00125 J**	<0.00100	<0.00100	***<0.00100***	
MW-9	4/7/2021	**0.0202**	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-9	8/26/2021	**0.0135**	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
MW-9	04/04/2022	**0.0101**	<0.00500	<0.00000500	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***	<0.000125
MW-16	8/2/2001	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-16	10/02/2001	--	--	--	--	--	--	--	--	
MW-16	5/1/2002	--	--	--	--	--	--	--	--	
MW-16	9/20/2002	--	--	--	--	--	--	--	--	
MW-16	5/20/2003	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-16	10/02/2003	--	--	--	--	--	--	--	--	
MW-16	6/1/2004	--	--	--	--	--	--	--	--	

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Trichloroethene (mg/L)	Trichlorofluoromethane (Freon 11) mg/L	1,2,3-Trichloropropane (mg/L)	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	1,2,3-Trimethylbenzene (mg/L)	1,2,4-Trimethylbenzene mg/L	1,3,5-Trimethylbenzene (mg/L)	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0028**	**5.2**	**0.0000075**	**10**	**--**	**0.056**	**0.06**	**0.00019**	
MW-16	9/21/2004	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-16	5/12/2005	--	--	--	--	--	--	--	--	
MW-16	9/19/2005	--	--	--	--	--	--	--	--	
MW-16	5/8/2006	--	--	--	--	--	--	--	--	
MW-16	9/24/2006	--	--	--	--	--	--	--	--	
MW-16	5/14/2007	--	--	--	--	--	--	--	--	
MW-16	9/12/2007	--	--	--	--	--	--	--	--	
MW-16	5/1/2008	**0.0346**	--	--	--	--	--	--	--	
MW-16	5/14/2009	--	--	--	--	--	--	--	--	FENCED, CANNOT BE ACCESSED
MW-17	8/2/2001	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-17	10/2/2001	--	--	--	--	--	--	--	--	
MW-17	5/1/2002	--	--	--	--	--	--	--	--	
MW-17	9/20/2002	--	--	--	--	--	--	--	--	
MW-17	5/20/2003	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-17	10/2/2003	--	--	--	--	--	--	--	--	
MW-17	6/1/2004	--	--	--	--	--	--	--	--	
MW-17	9/21/2004	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-17	5/12/2005	--	--	--	--	--	--	--	--	
MW-17	9/19/2005	--	--	--	--	--	--	--	--	
MW-17	5/8/2006	--	--	--	--	--	--	--	--	
MW-17	9/24/2006	--	--	--	--	--	--	--	--	
MW-17	5/14/2007	--	--	--	--	--	--	--	--	
MW-17	9/21/2007	--	--	--	--	--	--	--	--	
MW-17	5/1/2008	<0.00500	--	--	--	--	--	--	--	
MW-17	5/14/2009	--	--	--	--	--	--	--	--	FENCED, CANNOT BE ACCESSED
Trip Blank	1/30/1996	--	--	--	--	--	--	--	--	
Trip Blank	6/2/1996	--	--	--	--	--	--	--	--	
Trip Blank	8/26/1996	--	--	--	--	--	--	--	--	
Trip Blank	10/16/1996	--	--	--	--	--	--	--	--	
Trip Blank	4/28/1997	--	--	--	--	--	--	--	--	
Trip Blank	9/10/1997	--	--	--	--	--	--	--	--	
Trip Blank	4/19/1998	--	--	--	--	--	--	--	--	
Trip Blank	09/23/1998	--	--	--	--	--	--	--	--	
Trip Blank	4/28/1999	--	--	--	--	--	--	--	--	
Trip Blank	10/13/1999	--	--	--	--	--	--	--	--	
Trip Blank	9/27/2000	--	--	--	--	--	--	--	--	
Trip Blank	5/5/2001	--	--	--	--	--	--	--	--	
Trip Blank	10/2/2001	--	--	--	--	--	--	--	--	
Trip Blank	5/1/2002	--	--	--	--	--	--	--	--	
Trip Blank	9/20/2002	--	--	--	--	--	--	--	--	
Trip Blank	5/20/2003	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
Trip Blank	10/2/2003	--	--	--	--	--	--	--	--	
Trip Blank	6/1/2004	--	--	--	--	--	--	--	--	
Trip Blank	9/21/2004	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
Trip Blank	5/12/2005	--	--	--	--	--	--	--	--	
Trip Blank	9/19/2005	--	--	--	--	--	--	--	--	
Trip Blank	5/8/2006	--	--	--	--	--	--	--	--	
Trip Blank	9/24/2006	--	--	--	--	--	--	--	--	
Trip Blank	5/14/2007	--	--	--	--	--	--	--	--	
Trip Blank	9/21/2007	--	--	--	--	--	--	--	--	
Trip Blank	5/1/2008	<0.00500	--	--	--	--	--	--	--	
Trip Blank	7/15/2008	<0.00500	--	--	--	--	--	--	--	
Trip Blank	4/30/2009	<0.00100	--	--	--	--	--	--	--	
Trip Blank	8/19/2009	<0.00100	--	--	--	--	--	--	--	
Trip Blank	4/20/2010	<0.00100	--	--	--	--	--	--	--	
Trip Blank	6/10/2010	<0.00100	--	--	--	--	--	--	--	
Trip Blank	8/27/2010	<0.00100	--	--	--	--	--	--	--	
Trip Blank	5/24/2011	<0.00100	--	--	--	--	--	--	--	
Trip Blank	7/26/2011	<0.00100	--	--	--	--	--	--	--	
Trip Blank	11/10/2011	<0.00100	--	--	--	--	--	--	--	

Table 2. Historical Groundwater Anlaytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Trichloroethene (mg/L)	Trichlorofluoromethane (Freon 11) mg/L	1,2,3-Trichloropropane (mg/L)	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	1,2,3-Trimethylbenzene (mg/L)	1,2,4-Trimethylbenzene mg/L	1,3,5-Trimethylbenzene (mg/L)	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0028**	**5.2**	**0.0000075**	**10**	**--**	**0.056**	**0.06**	**0.00019**	
Trip Blank	6/20/2012	<0.00100	--	--	--	--	--	--	--	
Trip Blank	11/5/2012	<0.00100	--	--	--	--	--	--	--	
Trip Blank	4/30/2013	<0.000083	--	--	--	--	--	--	--	
Trip Blank	11/8/2013	<0.00012	--	--	--	--	--	--	--	
Trip Blank	4/28/2014	<0.000091	--	--	--	--	--	--	--	
Trip Blank	11/7/2014	<0.000091	--	--	--	--	--	--	--	
Trip Blank	4/21/2016	<0.00050	--	--	--	--	--	--	--	
Trip Blank	11/1/2016	<0.00050	--	--	--	--	--	--	--	
Trip Blank	5/1/2017	<0.00050	--	--	--	--	--	--	--	
Trip Blank	4/27/2018	<0.00050	--	--	--	--	--	--	--	
Trip Blank	10/18/2018	<0.0002	--	--	--	--	--	--	--	
Trip Blank	4/3/2019	<0.0002	--	--	--	--	--	--	--	
Trip Blank	9/11/2019	< 0.0000090	--	--	--	--	--	--	--	
Trip Blank	4/22/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	10/9/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	4/7/2021	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	8/26/2021	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Trip Blank	04/04/2022	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***	<0.0000050000
Tudor Motel	9/21/2007	<0.0001	--	--	--	--	--	--	--	
Tudor Motel	5/1/2008	<0.00500	--	--	--	--	--	--	--	
Tudor Motel	7/15/2008	<0.0001	--	--	--	--	--	--	--	
Equipment Blank	4/22/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Equipment Blank	10/9/2020	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Equipment Blank	4/7/2021	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Equipment Blank	8/26/2021	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	
Equipment Blank	04/04/2022	<0.00100	<0.00500	<0.00000500	<0.00100	<0.00100 J	<0.00100 J	<0.00100	***<0.00100***	<0.0000050000

Notes:
ID = Identification
MW = Groundwater monitoring well
mg/L = Milligrams per liter
<0.00500 = 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
[ ] = Blind Duplicate Sample Result
ADEC = Alaska Department of Environmental Conservation
Constituents analyzed by United States Environmental Protection Agency Method 8260D
EDB = 1,2 Dibromoethane
EDC = 1,2-Dichloroethane
TCE = Trichloroethylene
PCE = Tetrachloroethylene

Table 3. Historical Groundwater Analytical Results - PAHs
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Ace-naphthene µg/L	Ace-naphthylene µg/L	Anthracene µg/L	Benzo(a) anthracene µg/L	Benzo(a) pyrene µg/L	Benzo(b) fluoranthene µg/L	Benzo(g,h,i) perylene µg/L	Benzo(k) fluoranthene µg/L	2-Chloro-naphthalene µg/L	Chrysene µg/L	Dibenz(a,h) anthracene µg/L	Fluoranthene µg/L	Fluorene µg/L	Indeno(1,2,3-cd)pyrene µg/L	1-Methyl-naphthalene µg/L	2-Methyl-naphthalene µg/L	Naphthalene µg/L	Phenanthrene µg/L	Pyrene µg/L
ADEC Groundwater Cleanup Levels		**530**	**260**	**43**	**0.3**	**0.25**	**2.5**	**0.26**	**0.8**	**750**	**2**	**0.25**	**260**	**290**	**0.19**	**11**	**36**	**1.7**	**170**	**120**
MW-2R	9/11/2019	<0.11	<0.0503	<0.11	<0.053	<0.11	<0.053	<0.053	<0.053	NA	<0.11	<0.11	<0.21	<0.11	<0.053	**0.17**	**0.058 J**	**1.8**	<0.11	<0.11
MW-2R	4/22/2020	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510	<0.255	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510	**0.360 J**	<0.0510	**0.256 J**	<0.0510	<0.0510
MW-2R	10/9/2020	**0.0792 [0.0753]**	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 [<0.0500]	<0.0500 **[0.0260 J]**	<0.0500 **[0.0413 J]**	<0.0500 **[0.0245 J]**	<0.250 [<0.250]	**0.0219 J [0.0219 J]**	<0.0500 **[0.0305 J]**	<0.0500 [<0.0500]	<0.0500 **[0.0909]**	<0.0500 **[0.0190 J]**	<0.0500 **[0.0184 J]**	**12.0 [11.4]**	**0.922 [0.893]**	**27.3 [26.1]**	<0.0500 **[0.0839]**	<0.0500 **[0.0668]**
MW-2R	4/7/2021	**0.0457 J [0.0535 J]**	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0250 [<0.278]	<0.500 [<0.555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	**7.9 [9.39]**	**3.79 [4.58]**	**26.9 [32.4]**	<0.0500 [<0.0555]	<0.0500 [<0.0555]
MW-2R	8/26/2021	**0.0726 [0.0692]**	<0.0515 [<0.0510]	<0.0515 [<0.0510]	<0.0515 BJ [<0.0510]	**0.0381 J** [<0.0510]	**0.0402 J** [<0.0510]	**0.0425 J** [<0.0510]	**0.0347 J** [<0.255]	**0.0285 J [0.0298 J]**	**0.0315 J** [<0.0510]	**0.0384 J** [<0.0510]	<0.0515 B [<0.0510]	**0.0228 J** [<0.0510]	**0.0380 J** [<0.0510]	**11.7 [11]**	**7.4 [6.79]**	**36 [34.9]**	**0.0243 J** [<0.0510]	<0.0515 B [<0.0510]
MW-2R	04/04/2022	**0.0560 J [0.0643]**	<0.0625 [<0.0625]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	<0.313 [<0.0313]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	**0.0223 J** [<0.0625]	<0.0625 [<0.0625]	<0.0625 [<0.0625]	**8.11 [9.59]**	**2.04 [3.37]**	**19.1 [22.2]**	<0.0625 [<0.0625]	<0.0625 [<0.0625]

Notes:
PAHs = Polycyclic Aromatic Hydrocarbons by United States Environmental Protection Agency Method EPA 8270E-SIM.
ADEC = Alaska Department of Environmental Conservation
µg/L = micrograms per liter
<0.000500 = Not detected at or above the reported detection limit (RDL)
Bold = Value exceeds Laboratory Method Detection Limit (MDL)
Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only
The laboratory for this site was changed from Eurofins Calscience to Pace Analytical prior to the second quarter 2020 groundwater monitoring event.

Attachment D

Alaska Department of Environmental Conservation
Date June 5, 2023

ADEC Data Review Checklist

Laboratory Data Review Checklist

Completed By:

Bhagyashree A Fulzele

Title:

Project Chemist

Date:

April 24, 2023

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1603522

Laboratory Report Date:

04/19/2023

CS Site Name:

First Semi Annual 2023 Groundwater Monitoring Report

ADEC File Number:

2100.26.008

Hazard Identification Number:

23885

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/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/usability was not affected.

6. QC Samples

a. Method Blank

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☒ N/A☐ Comments:

No.

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

Comments:

Sample Locations	Compounds	Sample Result	Qualification
BD-1-W-20230407	AK102 DRO C10-C25	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Note:
RL Reporting limit

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

Yes☒ No☐ N/A☐ Comments:

Yes.

v. Data quality or usability affected?

Comments:

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

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

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

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. 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:

Not applicable.

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 performed on sample ID MW-2R-W-20230407.

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-2R-W-20230407.

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

Yes☐ No☒ N/A☐ Comments:

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

Sample Locations	Method	Compounds	MS Recovery	MSD Recovery
MW-2R-W-20230407	AK102	AK102 DRO C10-C25	<LL but >10%	<LL but >10%

Note:
AC Acceptable

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

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

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

Accuracy:
Method AK102: Compound AK102 DRO C10-C25 result in sample ID MW-2R-W-20230407 was qualified as estimated (J).

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

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

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

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Yes☐ No☐ N/A☒ Comments:

Not applicable.

iv. Is the data quality or usability affected?

Comments:

Data quality or usability was not affected.

e. Trip Blanks

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

Yes☒ No☐ N/A☐ Comments:

Trip blank samples were collected as TRIP BLANK 1 and TRIP BLANK 2

ii. Are all results less than LOQ or RL?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

None of the samples were affected.

iv. Is data quality or usability affected?

Comments:

Data quality or usability was not affected

f. Field Duplicate

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

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Was the duplicate submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

Yes.

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

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

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☐ No☒ N/A☐ Comments:

Results for duplicate samples are summarized in the following table.

Sample ID / Duplicate ID	Method	Compounds / Analytes	Sample Result	Duplicate Result	RPD
MW-2R-W-20230407 / BD-1-W-20230407	6010D	Lead	5.79	6 U	AC
	AK101	TPHGAK C6 to C10	239	431	AC
	8260D	Benzene	4.28	5.07	AC
		1,2-Dichloroethane	4.32	4.86	AC
		Ethylbenzene	36	50.6	34%
		1,2,4-Trimethylbenzene	3.29	4.97	AC
		Xylenes, Total	3.45	5.62	AC
		o-Xylene	0.214	0.394	AC
		m&p-Xylene	3.24	5.23	AC
	8011	Ethylene Dibromide	0.0209	0.0188	AC
	AK102/103	AK102 DRO C10-C25	6180	1110 U	NC
	8270	Naphthalene	0.505	0.508	AC
		1-Methylnaphthalene	4.04	3.98	1%

Notes:
AC Acceptable
NC Non- Complaint

The compounds Ethylbenzene and AK102 DRO C10-C25 and associated with sample locations MW-2R-W-20230407 / BD-1-W-20230407 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

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

Comments:

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

g. Decontamination or Equipment Blank

i. Were decontamination or equipment blanks collected?

Yes☒ No☐ N/A☐ Comments:

Equipment blank sample was collected as EQB-1-W-20230407.

ii. Are all results less than LOQ or RL?

Yes☐ No☒ N/A☐ Comments:

No.

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

Comments:

Sample Locations	Compound	Sample Result	Qualification
BD-1-W-20230407	AK102 DRO C10-C25	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Note:
RL Reporting limit

iv.

iv. Are data quality or usability affected?

Comments:

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

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

a. Are they defined and appropriate?

Yes☒ No☐ N/A☐ Comments:

Method 8011: RPD between the primary and confirmatory analysis exceeded 40% for compound ethylene dibromide in sample ID MW-2R-W-20230407. Compound result in the associated sample ID was qualified as estimated (J).