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ENVIRONMENT

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

Subject:
2021 Second Semi-Annual Groundwater Monitoring Report

Date:
December 17, 2021

Contact:
Nicole Robinson

Phone:
503.785.9414

Email:
Nicole.Robinson@arcadis.com

Our ref:
30063667

Dear Ms. Reams,

On behalf of Chevron Environmental Management Company (CEMC), Arcadis US, Inc. (Arcadis) has prepared the attached *2021 Second Semi-Annual Groundwater Monitoring Report* for the second semi-annual groundwater sampling event of 2021 for the following facility:

Chevron Facility No.	ADEC File No.	Hazard ID	Location
97324	2100.26.008	23885	4417 Lake Otis Parkway Anchorage, Alaska

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

Sincerely,

Arcadis U.S., Inc.

Nicole Robinson, P.E
Project Manager
EV-149409

Copies:
Tim Bishop (*electronic copy*)
Nicole Jones-Vogel (*electronic copy*)

ARCADIS Design & Consultancy for natural and built assets

Chevron Environmental Management Company

2021 SECOND SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Former Chevron-Branded
Service Station No. 97324
4417 Lake Otis Parkway
Anchorage, Alaska
ADEC File No. 2100.26.008

December 17, 2021

2021 SECOND SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Former Chevron-Branded Service Station No. 97324

4417 Lake Otis Parkway
Anchorage, Alaska

ADEC File No: 2100.26.008
HAZARD ID No: 23885

Sydney Clark, EIT
Environmental Professional

Nicole Robinson, P.E.
Project Manager
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Prepared for:

Chevron Environmental Management Company

Prepared by:

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Our Ref.:

30063667 Date:

December 17, 2021

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SEMI-ANNUAL GROUNDWATER MONITORING REPORT
SECOND HALF 2021
December 17, 2021

Facility No:	Former Chevron-Branded Station No. 97324	Address:	4417 Lake Otis Parkway Anchorage, Alaska

Arcadis Contact Person / Phone No.:	Nicole Robinson / (503) 7859414
Arcadis Project No.:	30063667
Primary Agency/Regulatory ID No.:	Alaska Department of Conservation (ADEC) / Rebekah Reams /ADEC File ID: 2100.26.008

WORK CONDUCTED THIS PERIOD [Second Half 2021]:

1. Conducted semi-annual groundwater monitoring activities on August 26, 2021.
2. Prepared the *2021 Second Semi-Annual Groundwater Monitoring Report.*
3. Submitted an addendum to the *System Removal, Well Decommissioning, and Soil Assessment Work Plan* on July 14, 2021, to address action items identified following the ADEC meeting on November 9, 2020.

WORK PROPOSED NEXT PERIOD [First Half 2022]:

1. Conduct semi-annual groundwater monitoring activities in the First half of 2022
2. Prepare the *2022 First Semi-Annual Groundwater Monitoring Report*.
3. Complete the work outlined in the *System Removal, Well Decommissioning, and Soil Assessment Work Plan* that was submitted to the agency on July 14, 2021

Current Phase of Project:	Monitoring	
Frequency of Monitoring / Sampling:	Semi-annual	
Are Light Non-Aqueous Phase Liquid (LNAPL) Present On-site:	No	
Cumulative LNAPL Recovered to Date:	0.00	(gallons)
Approximate Depth to Groundwater:	15.45 to 24.48	(feet below top of casing)
Approximate Groundwater Elevation:	143.77 to 143.79	(feet relative to NAVD88)

Groundwater Flow Direction	None – Flat Groundwater Table	
Groundwater Gradient	Not Calculated	(feet per foot)
Current Remediation Techniques:	None	
Permits for Discharge:	None	
Summary of Unusual Activity:	None	
Agency Directive Requirements:	None	

1 INTRODUCTION

On behalf of Chevron Environmental Management Company (CEMC), Arcadis US, Inc. (Arcadis), has prepared this report to document the second semi-annual groundwater sampling event of 2021 for Chevron facility 97324, located at 4417 Lake Otis Parkway in Anchorage, Alaska (site). The site location map and site plan are presented on Figure 1 and Figure 2, respectively.

This work was conducted under the direction of a "Qualified Environmental Professional" (QEP) and "Qualified Sampler" (18 Alaska Administrative Code [AAC] 75.333). Site background and history summaries are attached as Appendix A.

2 GROUNDWATER MONITORING

2.1 Groundwater Gauging Methods

The 2021 second semi-annual groundwater gauging event was conducted on August 26, 2021. Monitoring wells MW-1R, MW-2R, MW-8RR, and MW-9 were gauged with an oil/water interface probe to determine depth-to-water and to ascertain if LNAPL was present.

In order to prevent the possibility of cross-contamination, wells were gauged in the order of lowest to highest historical petroleum hydrocarbon concentrations in groundwater. In addition, non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water.

2.2 Groundwater Elevation and Flow Direction

During the 2021 second semi-annual event, monitoring wells MW-1R, MW-2R, MW-8RR, and MW-9 were gauged for groundwater elevations and the presence of LNAPL. The groundwater monitoring event field notes are presented in Appendix B.

The inferred groundwater flow direction for the second semi-annual 2021 monitoring event was not determined as the groundwater table is relatively flat with no predominate flow direction. Current and

historical groundwater gauging and analytical results are included in Table 1 and Table 4, respectively. A groundwater elevation map with a rose diagram of historical flow directions is presented as Figure 3.

2.3 Groundwater Sampling Methods

The second semi-annual groundwater monitoring event was conducted on August 26, 2021. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-8RR, and MW-9 using a low flow purge sampling method.

Sampling procedures were conducted in accordance with ADEC *Field Sampling Guidance* (ADEC, 2019). Monitoring well caps were removed to allow groundwater levels to stabilize and equilibrate before using an electronic interface probe (EIP) meter capable of 0.01-foot accuracy to measure the depth to groundwater and total well depth. A bladder pump with compressor & control unit with clean/disposable Teflon lined tubing and bladders was used to purge groundwater from the wells and collect samples to minimize the risk of volatile contaminant absorption by the sampling equipment. Water table drawdown was continuously monitored during purging with a water level meter and the flow rate of the pump was adjusted to limit drawdown to 0.1 meter. The intake of the pump was set as close as possible to the soil groundwater interface. 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. The flow rate was reduced to 100-150 ml/minute and samples were collected from the discharge line into laboratory sample bottles. 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.

Sample bottles were labeled, stored in a cooler packed with ice, and submitted to Pace Analytical Laboratory in Mount Juliet, Tennessee, under proper chain-of-custody procedures.

Groundwater samples collected from monitoring wells MW-1R, MW-2R, MW-8RR, and MW-9 were submitted to the analytical laboratory for the following analyses:

- Full-scan volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, total xylenes (collectively BTEX), methyl-t-butyl ether (MTBE), and naphthalene by United States Environmental Protection Agency (USEPA) method 8260D
- Total petroleum hydrocarbons as gasoline range organics (TPH-g) by Alaska method AK101
- Total petroleum hydrocarbons as diesel range organics (TPH-d) by Alaska method AK102

Additionally, groundwater samples were collected from MW-2R are analyzed for polycyclic aromatic hydrocarbons (PAHs) by USEPA Method 8270E-SIM.

A groundwater duplicate sample was collected from monitoring well MW-2R. The duplicate sample was analyzed for full-scan VOCs, TPH-g, TPH-d, and PAHs. The duplicate sample was submitted blind with the sample set to Pace Analytical.

2.4 Groundwater Analytical Results

Routine analytical results for BTEX, MTBE, naphthalene, TPH-g, and TPH-d from the second semi-annual 2021 groundwater monitoring event are summarized in Table 1. Additional VOCs analyzed by USEPA method 8260D are summarized in Table 2. Current and historic analytical data for PAHs is summarized in Table 3. Historical groundwater analytical data is summarized in Table 4. Historical Additional VOCs analyzed by USEPA method 8260D are summarized in Tables 5a, 5b, 5c and 5d.

Current analytical results for BTEX, MTBE, naphthalene, TPH-g, and TPH-d are summarized in Figure 4.

3 LABORATORY DATA QUALITY ASSURANCE SUMMARY

As required by ADEC (Technical Memorandum, October 2019), Arcadis completed a laboratory data review checklist for each of the laboratory report generated for the 2021 semi-annual event. The laboratory report is included as Appendix C and data review checklist is included as Appendix D. The following quality assurance (QA) summary describes six parameters, related to the quality and usability of the data presented in this report.

3.1 Precision

The RPD between laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and field duplicated (FD) were within the control limits.

The RPD between the matrix spike and matrix spike duplicate (MS/MSD) exceeded control limits for several compounds in sample location MW-8RR for method SW846 8260D. The compound's results were qualified as estimated.

The precision of the data, as measured by laboratory quality control (QC) indicators, suggest that the Data Quality Objectives (DQOs) were met.

3.2 Accuracy

The percent recovery for surrogates were within the control limits.

LCS recovery exceeded control limits for compounds acrolein, isopropylbenzene, and n-propylbenzene for method SW846 8260D in sample locations MW-2R, MW-8RR, MW-1R, MW-9, the blind duplicate (BD-1), (EQB-1), and the trip blank. Associated results were qualified as estimated.

MS/MSD recovery exceeded control limits for compounds acrolein, chloroethane, dichlorodifluoromethane, and trichlorofluoromethane for method SW846 8260D in sample location MW-8RR. Associated results were qualified as estimated.

Continuing calibration for compounds 1,1,1,2-tetrachloroethane, bromoform, bromomethane, isopropylbenzene, n-propylbenzene, and tetrachloroethene exhibited a low bias recovery. Associated

results in sample locations MW-2R, MW-8RR, MW-1R, MW-9, BD-1, EQB-1, and the trip blank were qualified as estimated.

Continuing calibration for compound 1,2-dichloroethane exhibited a high bias recovery. The detected compound in sample locations MW-2R, MW-1R, and BD-1 was qualified as estimated.

The accuracy of the data, as measured by laboratory quality control (QC) indicators, suggest that the DQOs were met.

3.3 Representativeness

The data appear to be representative of site conditions and are generally consistent with historical groundwater monitoring results and expected impacts to groundwater.

3.4 Comparability

The laboratory results are presented in the same units as previous reports to allow comparison. The target compounds were not detected in trip blank and method blank with below exceptions.

TPH-g was detected below the reporting limit in the method blank and trip blank for method AK101. These samples were also analyzed for volatile organic compounds and oxygenates by USEPA method 8260. The components of gasoline and oxygenates were not detected at the RDL, which is lower than the TPH-g RDL. Therefore, the TPH-g results may be due to non-target hydrocarbon compounds that elute within the TPH-g carbon range. Based on the blank evaluation, the results for TPH-g in sample locations MW-8RR, MW-1R and MW-9 was qualified as non-detect.

TPH-d was detected below the reporting limit in the method blank for method AK102. Based on blank evaluation, the results for TPH-d in sample locations MW-8RR, MW-1R and MW-9 was qualified as non-detect.

Compounds benzo(a)anthracene, fluoranthene, and pyrene were detected below the reporting limit in the method blank for method SW846 8270D. Based on blank evaluation, the results for compounds in sample locations MW-2R was qualified as non-detect.

3.5 Completeness

The results appear to be valid and usable, and thus, the laboratory results have 100% completeness.

3.6 Sensitivity

The concentrations of TPH-d, TPH-g, benzene, ethylbenzene and naphthalene exceeded the ADEC groundwater cleanup levels (GCLs) in the sample from MW-2R.

The concentration of 1,2-dichloroethane exceeded ADEC GCLs in samples from MW-1R and MW-2R.

The concentrations of trichloroethene, tetrachloroethylene, and cis-1,2-dichloroethene exceeded ADEC GCLs in the sample from MW-9.

The laboratory reported detection limit for compounds 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2-dibromoethane, chloroform and vinyl chloride exceeded the ADEC groundwater cleanup level, however the laboratory method detection limit is below the ADEC groundwater cleanup level. As all samples were not detected for the mentioned constituents.

The sensitivity of the analyses was adequate for the samples as the detection limits were less than the ADEC GCLs for compounds with above exceptions.

4 CONCLUSIONS AND RECOMMENDATIONS

The groundwater data collected during the second semi-annual 2021 event indicate the groundwater table is relatively flat with no predominate flow direction which is typical of the site. During the second semi-annual 2021 groundwater monitoring event, groundwater samples were collected for analysis from monitoring wells MW-1R, MW-2R, MW-8RR, and MW-9. Analytical results from the monitoring wells are generally consistent with historical data.

Groundwater monitoring will continue in accordance with the current semi-annual schedule. The next groundwater sampling event will be conducted in the spring of 2022.

5 REFERENCES

ADEC. *Field Sampling Guidance*. Division of Spill Prevention and Response Contaminated Sites Program. 2019.

ADEC Technical Memorandum, October 2019. *Minimum Quality Assurance Requirements for Sample Handling*, Reports and Laboratory Data. ADEC, Division of Spill Prevention and Response Contaminated Sites Program.

TABLES

Table 1. Current Groundwater Gauging and Analytical Results 2SA20
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	TOC (ft)	Datum	DTW (ft bTOC)	LNAPL Thickness (ft)	GW Elev (ft)	TPH-d (mg/L)	TPH-g (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	Naphthalene (mg/L)
ADEC Groundwater Cleanup Levels							**1.5**	**2.2**	**0.0046**	**1.1**	**0.015**	**0.19**	**0.14**	**0.0017**
MW-1R	8/26/2021	167.56	NAVD88	23.77	0.00	143.79	<0.800 B	<0.100 B	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***
MW-2R	8/26/2021	168.25	NAVD88	24.48	0.00	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-8RR	8/26/2021	166.43	NAVD88	22.65	0.00	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-9	8/26/2021	159.24	NAVD88	15.45	0.00	143.79	<0.800 B	<0.100 B	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***
Trip Blank	8/26/2021	--	--	--	--	--	--	**0.0429 J**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	**0.00124 J**
Equipment Blank	8/26/2021	--	--	--	--	--	0.624 J	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***

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 and Shaded = Value exceeds ADEC Groundwater Cleanup Level
Bold = Detected above laboratory method detection limit (MDL)

Bold and *Italicized* : Constituent considered non-detect, however Laboratory RDL is greater than the ADEC Groundwater Cleanup Level

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to 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
ADEC = Alaska Department of Environmental Conservation
NAVD88 = North American Vertical Datum of 1988
LNAPL = Light Non-Aqueous Phase Liquid

-- = Not Measured/Not analyzed
[ ] = Blind Duplicate Sample Result

Table 2. Current Groundwater Analytical Results – Additional VOCs
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Constituents	ADEC Groundwater Cleanup Levels (mg/L)	Location ID	MW-1R	MW-2R	MW-8RR	MW-9	Trip Blank	Equipment Blank
		Sample Date	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021	8/26/2021
1,2-Dichloroethane	**0.0017**	mg/L	**0.00311 J**	**0.0105 J [0.0106 J]**	<0.00100	<0.00100	<0.00100	<0.00100
Trichloroethene (Trichloroethylene)	**0.0028**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	**0.0135**	<0.00100	<0.00100
Tetrachloroethylene	**0.041**	mg/L	<0.00100 J	<0.00100 J [<0.00100 J]	**0.00159 J**	**0.0452 J**	<0.00100 J	<0.00100 J
cis-1,2-Dichloroethene	**0.036**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	**0.0376**	<0.00100	<0.00100
Methylene chloride (Dichloromethane)	**0.1**	mg/L	<0.00500	<0.00500 [<0.00500]	<0.00500	<0.00500	<0.00500	<0.00500
1,1,1-Trichloroethane	**8**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
1,1,2,2-Tetrachloroethane	**0.00076**	mg/L	***<0.00100***	***<0.00100 [<0.00100]***	***<0.00100***	***<0.00100***	***<0.00100***	***<0.00100***
1,1,2-Trichloroethane	**0.00041**	mg/L	***<0.00100***	***<0.00100 [<0.00100]***	***<0.00100***	***<0.00100***	***<0.00100***	***<0.00100***
1,1,2-Trichlorotrifluoroethane (Freon 113)	**10**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	<0.00100	<0.00100	<0.00100
1,1-Dichloroethane	**0.028**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	<0.00100	<0.00100	<0.00100
1,1-Dichloroethene (Dichloroethylene)	**0.28**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	<0.00100	<0.00100	<0.00100
1,2,3-Trichlorobenzene	**0.007**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
1,2,4-Trichlorobenzene	**0.004**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
1,2,4-Trimethylbenzene	**0.056**	mg/L	<0.00100	**0.092 [0.0853]**	**0.000995 J**	<0.00100	<0.00100	<0.00100
1,2-Dibromoethane	**0.000075**	mg/L	<0.00000500	***<0.000125 [<0.000125]***	**0.000006**	***<0.000125***	<0.00000500	<0.00000500
1,2-Dichlorobenzene (o-Dichlorobenzene)	**0.3**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
1,2-Dichloropropane	**0.0082**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
1,3-Dichlorobenzene	**0.0047**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
1,4-Dichlorobenzene	**0.0048**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
2-Butanone (Methyl ethyl ketone)	**--**	mg/L	<0.0100	<0.0100 [<0.0100]	<0.0100	<0.0100	<0.0100	<0.0100
4-Methyl-2-pentanone	**6.3**	mg/L	<0.0100	<0.0100 [<0.0100]	<0.0100	<0.0100	<0.0100	<0.0100
Acetone	**14**	mg/L	<0.0500	<0.0500 [<0.0500]	<0.0500	<0.0500	<0.0500	<0.0500
Bromochloromethane	**--**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
Bromodichloromethane	**0.0013**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
Bromoform	**0.033**	mg/L	<0.00100 J	<0.00100 J [<0.00100 J]	<0.00100 J	<0.00100 J	<0.00100 J	<0.00100 J
Bromomethane (Methyl bromide)	**0.0075**	mg/L	<0.00500 J	<0.00500 J [<0.00500 J]	<0.00500 J	<0.00500 J	<0.00500 J	<0.00500 J
Carbon Disulfide	**0.81**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	<0.00100	<0.00100	<0.00100
Carbon Tetrachloride	**0.0046**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100 J	<0.00100	<0.00100	<0.00100
Chlorobenzene	**0.078**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
Chloroethane	**--**	mg/L	<0.00500	<0.00500 [<0.00500]	<0.00500 J	<0.00500	<0.00500	<0.00500
Chloroform	**0.0022**	mg/L	***<0.00500***	***<0.00500 [<0.00500]***	***<0.00500 J***	***<0.00500***	***<0.00500***	***<0.00500***
Chloromethane (Methyl chloride)	**0.19**	mg/L	<0.00250	<0.00250 [<0.00250]	<0.00250 J	<0.00250	<0.00250	<0.00250
cis-1,3-Dichloropropene	**0.0047**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
Dibromochloromethane	**0.0087**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
Dichlorodifluoromethane (Freon 12)	**0.2**	mg/L	<0.00500	<0.00500 [<0.00500]	<0.00500 J	<0.00500	<0.00500	<0.00500
Isopropylbenzene	**--**	mg/L	<0.00100 J	**0.0433 J [0.0426 J]**	**0.000295 J**	<0.00100 J	<0.00100 J	<0.00100 J
Styrene	**1.2**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
trans-1,2-Dichloroethene	**0.36**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	**0.000275 J**	<0.00100	<0.00100
trans-1,3-Dichloropropene	**0.0047**	mg/L	<0.00100	<0.00100 [<0.00100]	<0.00100	<0.00100	<0.00100	<0.00100
Trichlorofluoromethane (Freon 11)	**5.2**	mg/L	<0.00500	<0.00500 [<0.00500]	<0.00500	<0.00500	<0.00500	<0.00500
Vinyl chloride (Chloroethene)	**0.00019**	mg/L	***<0.00100***	***<0.00100 [<0.00100]***	***<0.00100 J***	***<0.00100***	***<0.00100***	***<0.00100***

Notes:
ID = Identification
MW = Groundwater monitoring well
mg/L = Milligrams per liter
<0.00500 = Not detected at or above the Reported Detection Limit
Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level
Bold = Value exceeds Method Detection Limit (MDL)
Bold and *Italicized* : Constituent considered non-detect, however Laboratory RDL is greater than the ADEC Groundwater Cleanup Level
[ ] = Blind Duplicate Result
J = Results are greater than the method detection limit and less than the reporting limit and considered estimated value
Constituents analyzed by United States Environmental Protection Agency Method 8260D

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

Well ID	Sample Date	1-Methynaphthalene µg/L	2-Methnaphthalene µg/L	Acenaphthene µg/L	Acenaphthylene 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	Chrysene µg/L	Dibenz(a,h) anthracene µg/L	Fluoranthene µg/L	Fluorene µg/L	Indeno(1,2,3-cd)pyrene µg/L	Naphthalene µg/L	Phenanthrene µg/L	Pyrene µg/L
ADEC Groundwater Cleanup Levels		**11**	**36**	**530**	**260**	**43**	**0.3**	**0.25**	**2.5**	**0.26**	**0.8**	**2**	**0.25**	**260**	**290**	**0.19**	**1.7**	**170**	**120**
MW-2R	9/11/2019	**0.17**	**0.058 J**	<0.11	<0.0503	<0.11	<0.053	<0.11	<0.053	<0.053	<0.053	<0.11	<0.11	<0.21	<0.11	<0.053	**1.8**	<0.11	<0.11
MW-2R	4/22/2020	**0.360 J**	<0.0510	<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	**0.256 J**	<0.0510	<0.0510
MW-2R	10/9/2020	**12.0 [11.4]**	**0.922 [0.893]**	**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]	<0.0500 **[0.0305 J]**	<0.0500 [<0.0500]	<0.0500 **[0.0909]**	<0.0500 **[0.0190 J]**	<0.0500 **[0.0184 J]**	**0.0273 [0.0261]**	<0.0500 **[0.0839]**	<0.0500 **[0.0668]**
MW-2R	4/7/2021	**7.90 [9.39]**	**3.79 [4.58]**	**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]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	<0.0500 [<0.0555]	**7.90 [32.4]**	<0.0500 [<0.0555]	<0.0500 [<0.0555]
MW-2R	8/26/2021	**0.0117 [0.011]**	**0.0074 [0.00679]**	**0.0000726 [0.0000692]**	<0.0000515 [<0.0000510]	<0.0000515 [<0.0000510]	<0.0000515 B [<0.0000510]	**0.0000381 J** [<0.0000510]	**0.0000402 J** [<0.0000510]	**0.0000425 J** [<0.0000510]	**0.0000347 J** [<0.000255]	**0.0000315 J** [<0.0000510]	**0.0000384 J** [<0.0000510]	<0.0000515 B [<0.0000510]	**0.0000228 J** [<0.0000510]	**0.0000380 J** [<0.0000510]	**0.036 [0.0349]**	**0.0000243 J** [<0.0000510]	<0.0000515 B [<0.0000510]
Equipment Blank	10/9/2020	**0.0208 J**	<0.500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.500	<0.0500	<0.0500

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.

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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**	
														Sample date accurate to month and year only
MW-1	2/1/1992	--	--	--	--	--	--	**0.25**	**0.2**	**5.1**	**0.14**	--	--	Sample date accurate to month and year only
MW-1	5/1/1992	99.13	23.38	--	75.75	--	--	**0.19**	**0.18**	**0.4**	**0.13**	--	--	Sample date accurate to month and year only
MW-1	9/1/1992	99.13	23.56	--	75.57	--	--	**0.23**	**0.2**	**3.3**	**0.1**	--	--	Sample date accurate to month and year only
MW-1	11/1/1992	99.13	23.55	--	75.58	--	--	**0.23**	**0.27**	**0.3**	**0.11**	--	--	Sample date accurate to month and year only
MW-1	5/1/1993	99.13	23.87	--	75.26	--	--	**2.0**	**33.0**	**4.4**	**15.0**	--	--	Sample date accurate to month and year only
MW-1	8/1/1993	99.13	23.84	--	75.29	--	--	**17.0**	**40.0**	**4.5**	**16.0**	--	--	Sample date accurate to month and year only
MW-1	11/1/1993	99.13	23.83	--	75.30	--	--	**2.4**	**6.6**	**8.4**	**31.0**	--	--	Sample date accurate to month and year only
MW-1	3/1/1994	99.13	23.68	--	75.45	--	--	**10.0**	**35.0**	**4.2**	**14.0**	--	--	Sample date accurate to month and year only
MW-1	6/1/1994	99.13	23.6	--	75.53	--	--	**11.0**	**47.0**	**4.8**	**17.0**	--	--	Sample date accurate to month and year only
MW-1	8/1/1994	99.13	24.09	--	75.04	--	--	**11.0**	**34.0**	**4.7**	**18.0**	--	--	Sample date accurate to month and year only
MW-1	12/22/1994	99.13	23.83	--	75.30	--	--	**13.0**	**31.0**	**3.6**	**11.0**	--	--	
MW-1	3/31/1995	99.13	23.72	--	75.41	--	--	**11.0**	**22.0**	**4.2**	**12.0**	--	--	
MW-1	6/20/1995	99.13	23.39	--	75.74	--	--	**7.9**	**20.0**	**3.1**	**9.4**	--	--	
MW-1	8/23/1995	99.13	23.67	--	75.46	--	--	**8.4**	**22.0**	**3.2**	**11.0**	--	--	
MW-1	11/16/1995	99.13	23.68	--	75.45	--	--	**7.2**	**17.0**	**3.0**	**9.3**	--	--	
MW-1	1/30/1996	99.13	23.92	--	75.21	--	--	**10.0 / 11.0**	**26.0 / 26.0**	**3.9 / 3.8**	**12.0 / 11.0**	--	--	
MW-1	6/2/1996	99.13	23.62	--	75.51	--	--	**8.91**	**24.4**	**3.59**	**12.8**	--	--	
MW-1	8/26/1996	99.13	24.06	--	75.07	--	--	**8.75**	**29.3**	**3.49**	**14.0**	--	--	
MW-1	10/16/1996	99.13	24.59	--	74.54	--	--	**9.34**	**30.2**	**4.02**	**15.1**	--	--	
MW-1	4/28/1997	99.13	23.96	--	75.17	--	--	**8.2**	**21.9**	**3.98**	**16.9**	--	--	
MW-1	9/10/1997	99.13	23.31	--	75.82	--	--	**4.43 / 4.38**	**18.7 / 17.6**	**2.84 / 2.82**	**11.2 / 10.8**	--	--	
MW-1	4/19/1998	99.13	22.9	--	76.23	--	--	**3.86**	**17.3**	**3.44**	**12.9**	--	--	
MW-1	9/23/1998	99.13	23.19	--	75.94	--	--	**2.92 / 3.06**	**9.96 / 10.5**	**2.29 / 2.46**	**7.0 / 7.49**	--	--	
MW-1	4/28/1999	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	5/5/2001	99.13	24.38	--	74.75	--	--	**0.576**	**4.92**	**1.83**	**7.1**	<0.5 / 0.005	--	
MW-1	8/2/2001	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	10/2/2001	99.13	24.12	--	75.01	--	--	**0.19**	**17.6 / 18.5**	**3.92**	**17.3 / 17.5**	**51.9** / <0.005	--	
MW-1	5/1/2002	161.02	24.14	--	136.88	--	--	**0.355**	**5.66**	**4.24**	**20.4**	**42.8** / <0.005	--	
MW-1	9/20/2002	161.02	24	--	137.02	--	--	**0.231**	**2.28**	**1.4**	**5.09**	<0.05 / <0.002	--	
MW-1	5/20/2003	161.02	24.47	--	136.55	--	--	**0.91**	**4.3**	**2.6**	**8.4**	**0.003**	--	
MW-1	10/2/2003	161.02	24.25	--	136.77	--	--	**0.56**	**4.7**	**2.3**	**8.2**	<0.005	--	
MW-1	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-1R	9/24/2006	160.69	23.2	--	137.49	**8.3**	**49.0**	**0.14**	**0.46**	**2.1**	**13.1**	--	--	
MW-1R	5/14/2007	160.69	23.68	--	137.01	**4.0**	**42.0**	**0.5**	**1.4**	**2.3**	**8.6**	<0.001	--	
MW-1R	9/21/2007	160.69	23.61	--	137.08	**4.9**	**30.0**	**0.2**	**0.94**	**1.5**	**6.4**	--	--	
MW-1R	5/1/2008	160.69	23.77	--	136.92	**3.92**	**53.2**	**0.43**	**3.88**	**3.46**	**14.4**	--	--	
MW-1R	7/15/2008	160.69	23.59	--	137.10	**5.50**	**65.0**	**0.32**	**5.20**	**2.40**	**11.90**	--	--	
MW-1R	5/14/2009	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	8/26/2009	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	6/15/2010	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	9/5/2010	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	5/24/2011	160.69	24.08	--	136.61	**2.2**	**6.1**	**0.066**	**0.005**	**0.49**	**0.71**	--	--	
MW-1R	11/10/2011	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	6/20/2012	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	11/5/2012	160.69	22.7	--	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	4/30/2013	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	4/30/2013	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	11/7/2013	160.69	23.02	--	137.67	--	--	--	--	--	--	--	--	
MW-1R	11/8/2013	--	--	--	--	**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	4/28/2014	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	4/28/2014	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	11/7/2014	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	4/29/2015	160.69	24.26	--	136.43	**0.31**	**0.025 J**	<0.0005	<0.0005	**0.002**	**0.001**	--	--	
MW-1R	11/6/2015	160.69	23.42	--	137.27	**0.42**	<0.010	<0.001	<0.001	<0.001	<0.001	--	--	
MW-1R	4/21/2016	160.69	24.11	--	136.58	**0.66**	**0.039 J**	**0.003**	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	11/1/2016	160.69	23.72	--	136.97	**0.27 J**	**0.015 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	5/1/2017	160.69	23.59	--	137.10	**0.085 J**	**0.013 J**	**0.0006 J**	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	10/17/2017	160.69	23.49	--	137.20	**0.069 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-1R	4/27/2018	160.69	23.84	--	136.85	**0.24 J**	**0.017 J**	**0.0007 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-1R	10/18/2018	160.69	23.80	--	136.89	**0.069 J**	<0.014	<0.0002	<0.0002	<0.0002	<0.0005	-	--	
MW-1R	4/9/2019	167.56	23.63[2]	0.00	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	9/11/2019	167.56	24.21	0.00	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	4/22/2020	167.56	23.73	0.00	143.83	--	--	--	--	--	--	--	--	Well obstructed by ice, could not sample
MW-1R	10/9/2020	167.56	23.86	0.00	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	4/7/2021	167.56	24.21	0.00	143.35	<0.8	<0.1 UB	<0.00100	<0.00100	**0.000226 J**	<0.00300	<0.00100	**0.00166 J**	
MW-1R	8/26/2021	167.56	23.77	0.00	143.79	<0.800 B	<0.100 B	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
														Car parked over well
MW-2R	9/24/2006	161.29	23.76	--	137.53	**4.2**	**47.0**	**0.36**	**4.3**	**2.1**	**10.7**	--	--	
MW-2R	5/14/2007	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	9/21/2007	161.29	24.28	--	137.01	**4.0**	**24.0**	**0.08**	**0.14**	**0.88**	**5.7**	--	--	
MW-2R	5/1/2008	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	7/15/2008	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	5/14/2009	161.29	24.34	--	136.95	**5.0**	**26**	**0.059**	**0.031**	**1.3**	**4.7**	--	--	
MW-2R	8/26/2009	161.29	24.61	--	136.68	**4.1 J**	**21**	**0.077**	**0.049**	**1.1**	**4.0**	--	--	
MW-2R	6/15/2010	161.29	24.29	--	137.00	**5.4**	**8.8**	**0.026**	**0.011**	**0.32**	**1.46**	--	--	
MW-2R	9/5/2010	161.29	24.32	--	136.97	**6.0**	**7.9**	**0.017**	**0.008**	**0.67**	**3.06**	--	--	
MW-2R	5/24/2011	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**	--	--	

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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-2R	11/10/2011	161.29	24.63	--	136.66	**0.85**	**0.071 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-2R	6/20/2012	161.29	24.06	--	137.23	**1.2**	**0.030 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-2R	11/5/2012	161.29	23.38	--	137.91	--	--	--	--	--	--	--	--	
MW-2R	11/8/2012	--	--	--	--	**0.37**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-2R	4/30/2013	161.29	24.48	--	136.81	**1.2**	**2.3**	**0.0105**	**0.0016**	**0.0406**	**0.469**	--	--	
MW-2R	4/30/2013	161.29	24.48	--	136.81	**1.3**	**1.5**	**0.0057**	**0.00096 J**	**0.0015**	**0.283**	--	--	Collected via hydrasleeve
MW-2R	11/7/2013	161.29	23.67	--	137.62	--	--	--	--	--	--	--	--	
MW-2R	11/8/2013	--	--	--	--	**1.7**	**0.49**	**0.00084 J**	<0.00023	<0.00024	**0.0047**	--	--	
MW-2R	4/28/2014	161.29	24.11	--	137.18	**1.7**	**4.5**	**0.012**	**0.0021**	**0.37**	**0.64**	--	--	
MW-2R	4/28/2014	161.29	24.11	--	137.18	**0.88**	**0.39**	**0.0018**	**0.00020 J**	**0.030**	**0.037**	--	--	Collected via hydrasleeve
MW-2R	11/7/2014	161.29	24.55	--	136.74	**1.7**	**5.1**	**0.0068**	<0.0017 J	**0.25**	**0.37**	--	--	
MW-2R	4/29/2015	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	11/6/2015	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	4/21/2016	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	11/1/2016	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	5/1/2017	161.29	24.3	--	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	10/17/2017	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	4/27/2018	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	10/18/2018	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	4/9/2019	168.25	24.35[2]	0.00	143.90	**1.2**	**0.025 J**	**0.004**	<0.0002	**0.0005 J**	<0.001	<0.0002	<0.001	
MW-2R	9/11/2019	168.25	24.93	0.00	143.32	**0.67**	**0.25**	**0.005**	<0.00039	**0.016**	**0.0020 J**	<0.00044	**0.0062 *B**	
MW-2R	4/22/2020	168.25	24.46	0.00	143.79	**0.938**	**0.207**	**0.00324**	<0.00100	**0.00921**	<0.00300	<0.00100	***<0.00500***	
MW-2R	10/9/2020	168.25	24.55	0.00	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	4/7/2021	168.25	24.94	0.00	143.31	**1.31 [1.17]**	**1.61[1.61]**	**0.00507 [0.00561]**	**0.0014[0.00131]**	**0.0669 [0.0643]**	**0.0636[0.0633]**	<0.00100 [<0.00100]	**0.0278 [0.0298]**	
MW-2R	8/26/2021	168.25	24.48	0.00	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-3	2/1/1992	--	--	--	--	--	--	**0.006**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	5/1/1992	98.64	22.87	--	75.77	--	--	**0.006**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	9/1/1992	98.64	23.12	--	75.52	--	--	**0.21**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	11/1/1992	98.64	23.1	--	75.54	--	--	**0.012**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	5/1/1993	98.64	23.45	--	75.19	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	8/1/1993	98.64	23.35	--	75.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	11/1/1993	98.64	23.21	--	75.43	--	--	ND	**0.042**	ND	ND	--	--	Sample date accurate to month and year only
MW-3	3/1/1994	98.64	23.16	--	75.48	--	--	ND	ND	ND	**0.005**	--	--	Sample date accurate to month and year only
MW-3	6/1/1994	98.64	23.49	--	75.15	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	8/1/1994	98.64	23.65	--	74.99	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-3	12/22/1994	98.64	23.42	--	75.22	--	--	ND	ND	ND	ND	--	--	
MW-3	4/10/1995	98.64	--	--	--	--	--	ND	ND	ND	ND	--	--	
MW-3	6/20/1995	98.64	22.95	--	75.69	--	--	ND	ND	ND	ND	--	--	
MW-3	6/21/1995	98.64	--	--	--	--	--	--	--	--	--	--	--	
MW-3	8/23/1995	98.64	23.19	--	75.45	--	--	ND	ND	ND	ND	--	--	
MW-3	11/16/1995	98.64	23.23	--	75.41	--	--	ND	ND	ND	ND	--	--	
MW-3	1/30/1996	98.64	23.48	--	75.16	--	--	ND	ND	ND	ND	--	--	
MW-3	6/2/1996	98.64	23.22	--	75.42	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	8/26/1996	98.64	23.56	--	75.08	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	10/16/1996	98.64	24.05	--	74.59	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	4/28/1997	98.64	23.73	--	74.91	--	--	<0.0005	**0.00111**	<0.0005	**0.00169**	--	--	
MW-3	9/10/1997	98.64	22.96	--	75.68	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	4/19/1998	98.64	23.55	--	75.09	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-3	9/23/1998	98.64	22.9	--	75.74	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-3	4/28/1999	98.64	23.24	--	75.40	--	--	**0.00089**	<0.0005	<0.0005	<0.0005	<0.01	--	
MW-3	10/13/1999	98.64	23.22	--	75.42	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-3	5/19/2000	98.64	23.6	--	75.04	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-3	9/27/2000	98.64	23.52	--	75.12	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-3	5/5/2001	98.64	23.88	--	74.76	--	--	**0.000656**	<0.0005	<0.0005	<0.001	<0.005	--	
MW-3	8/2/2001	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	10/2/2001	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	5/1/2002	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	9/20/2003	160.51	23.55	--	136.96	--	--	**0.000709**	<0.0005	<0.0005	<0.001	<0.001	--	
MW-3	5/20/2003	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	10/2/2003	160.51	23.84	--	136.67	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	
MW-3	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-4	2/1/1992	--	--	--	--	--	--	**0.032**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	5/1/1992	98.45	21.72	--	76.73	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-4	9/1/1992	98.45	22.89	--	75.56	--	--	**0.005**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	11/1/1992	98.45	22.85	--	75.60	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-4	5/1/1993	98.45	23.18	--	75.27	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	8/1/1993	98.45	23.17	--	75.28	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	11/1/1993	98.45	23.02	--	75.43	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	3/1/1994	98.45	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	6/1/1994	98.45	23.24	--	75.21	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	8/1/1994	98.45	23.43	--	75.02	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-4	12/22/1994	98.45	--	--	--	--	--	--	--	--	--	--	--	
MW-4	3/31/1995	98.45	--	--	--	--	--	--	--	--	--	--	--	
MW-4	6/20/1995	98.45	22.7	--	75.75	--	--	ND	ND	ND	ND	--	--	
MW-4	8/23/1995	98.45	22.99	--	75.46	--	--	ND	ND	ND	ND	--	--	
MW-4	11/16/1995	98.45	23.02	--	75.43	--	--	ND	ND	ND	ND	--	--	
MW-4	1/30/1996	98.45	23.25	--	75.20	--	--	ND	ND	ND	ND	--	--	

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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-4	6/2/1996	98.45	22.97	--	75.48	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	8/26/1996	98.45	23.37	--	75.08	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-4	4/28/1997	98.45	23.52	--	74.93	--	--	<0.0005	**0.00166**	<0.0005	**0.00159**	--	--	
MW-4	9/10/1997	98.45	22.74	--	75.71	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	4/19/1998	98.45	23.3	--	75.15	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	9/23/1998	98.45	22.68	--	75.77	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-4	5/2/1999	98.45	23.1	--	75.35	--	--	<0.0005	<0.0005	<0.0005	<0.0005	**0.626 / <0.005**	--	
MW-4	10/13/1999	98.45	23.02	--	75.43	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-4	5/19/2000	98.45	23.39	--	75.06	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-4	9/27/2000	98.45	23.32	--	75.13	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-4	5/5/2001	98.45	23.71	--	74.74	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-4	8/2/2001	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	10/2/2001	98.45	23.54	--	74.91	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-4	5/1/2002	160.3	--	--	--	--	--	--	--	--	--	--	--	
MW-4	9/20/2002	160.3	23.39	--	136.91	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-4	5/20/2003	160.3	23.8	--	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	10/2/2003	160.3	23.59	--	136.71	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	
MW-4	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-5	2/1/1992	--	--	--	--	--	--	**7.2**	**4.8**	**2.0**	**2.9**	--	--	Sample date accurate to month and year only
MW-5	5/1/1992	99.13	22.5	--	76.63	--	--	**2.5**	**0.14**	**0.05**	**1.8**	--	--	Sample date accurate to month and year only
MW-5	9/1/1992	99.13	23.57	--	75.56	--	--	**5.9**	**6.5**	**2.4**	**5.3**	--	--	Sample date accurate to month and year only
MW-5	11/1/1992	99.13	22.53	--	76.60	--	--	**1.3**	**0.59**	**0.48**	**1.7**	--	--	Sample date accurate to month and year only
MW-5	5/1/1993	99.13	23.86	--	75.27	--	--	**0.066**	ND	**0.032**	**0.005**	--	--	Sample date accurate to month and year only
MW-5	8/1/1993	99.13	23.85	--	75.28	--	--	**0.058**	ND	**0.005**	ND	--	--	Sample date accurate to month and year only
MW-5	11/1/1993	99.13	23.7	--	75.43	--	--	**0.006**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	3/1/1994	99.13	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	6/1/1994	99.13	23.89	--	75.24	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	8/1/1994	99.13	24.14	--	74.99	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-5	12/22/1994	99.13	--	--	--	--	--	--	--	--	--	--	--	
MW-5	3/31/1995	99.13	--	--	--	--	--	--	--	--	--	--	--	
MW-5	6/20/1995	99.13	23.4	--	75.73	--	--	ND	ND	ND	ND	--	--	
MW-5	8/23/1995	99.13	23.7	--	75.43	--	--	ND	ND	ND	ND	--	--	
MW-5	11/16/1995	99.13	23.71	--	75.42	--	--	ND	ND	ND	ND	--	--	
MW-5	1/30/1996	99.13	23.95	--	75.18	--	--	ND	ND	ND	ND	--	--	
MW-5	6/2/1996	99.13	23.63	--	75.50	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	8/26/1996	99.13	24.19	--	74.94	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	10/16/1996	99.13	24.66	--	74.47	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	4/28/1997	99.13	24.24	--	74.89	--	--	**0.000617**	**0.000756**	<0.0005	<0.001	--	--	
MW-5	9/10/1997	99.13	23.43	--	75.70	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	4/19/1998	99.13	24	--	75.13	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	9/23/1998	99.13	23.2	--	75.93	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-5	4/28/1999	99.13	23.67	--	75.46	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	--	
MW-5	10/13/1999	99.13	23.72	--	75.41	--	--	<0.0005	**0.00139**	<0.0005	<0.0005	<0.005	--	
MW-5	5/19/2000	99.13	24.08	--	75.05	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-5	9/27/2000	99.13	23.95	--	75.18	--	--	--	--	--	--	--	--	
MW-5	5/5/2001	99.13	--	--	--	--	--	--	--	--	--	--	--	
MW-5	8/2/2001	99.13	23.84	--	75.29	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-5	10/2/2001	99.13	--	--	--	--	--	--	--	--	--	--	--	
MW-5	5/1/2002	161.01	24.1	--	136.91	--	--	--	--	--	--	--	--	
MW-5	9/20/2002	161.01	24.09	--	136.92	--	--	--	--	--	--	--	--	
MW-5	5/20/2003	161.01	--	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-5	10/2/2003	161.01	24.23	--	136.78	--	--	--	--	--	--	--	--	
MW-5	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-6	2/1/1992	--	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-6	5/1/1992	--	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-6	9/1/1992	--	--	--	75.22	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-6	8/1/1993	--	--	--	-	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-6	11/1/1993	--	--	--	75.29	--	--	--	--	--	--	--	--	Sample date accurate to month and year only
MW-6	8/2/2001		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	09/21/2001	161.14	--	--	--	--	--	--	--	--	--	--	--	
MW-6	05/01/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-7	2/1/1992	97.82	--	--	--	--	--	**0.047**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	5/1/1992	97.82	22.06	--	75.76	--	--	ND	ND	ND	**0.006**	--	--	Sample date accurate to month and year only
MW-7	9/1/1992	97.82	22.36	--	75.46	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	11/1/1992	97.82	22.41	--	75.41	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	5/1/1993	97.82	22.75	--	75.07	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	8/1/1993	97.82	22.64	--	75.18	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	11/1/1993	97.82	22.49	--	75.33	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	3/1/1994	97.82	22.43	--	75.39	--	--	ND	**0.011**	ND	**0.093**	--	--	Sample date accurate to month and year only
MW-7	6/1/1994	97.82	22.79	--	75.03	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	8/1/1994	97.82	22.88	--	74.94	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-7	12/22/1994	97.82	22.72	--	75.10	--	--	ND	ND	ND	**0.0026**	--	--	
MW-7	3/31/1995	97.82	--	--	--	--	--	--	--	--	--	--	--	
MW-7	6/20/1995	97.82	22.27	--	75.55	--	--	ND	ND	ND	ND	--	--	
MW-7	8/23/1995	97.82	22.46	--	75.36	--	--	**0.00073**	ND	ND	**0.00073**	--	--	
MW-7	11/16/1995	97.82	22.6	--	75.22	--	--	**0.00051**	ND	ND	**0.0024**	--	--	

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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	1/30/1996	97.82	22.75	--	75.07	--	--	ND	ND	ND	**0.0017**	--	--	
MW-7	6/2/1996	97.82	--	--	--	--	--	--	--	--	--	--	--	
MW-7	8/26/1996	97.82	22.78	--	75.04	--	--	<0.0005	<0.0005	**0.00059**	**0.0083**	--	--	
MW-7	10/16/1996	97.82	23.44	--	74.38	--	--	<0.0005	<0.0005	**0.001**	**0.0063**	--	--	
MW-7	4/28/1997	97.82	23.08	--	74.74	--	--	--	--	--	--	--	--	
MW-7	9/10/1997	97.82	22.36	--	75.46	--	--	**0.0017**	<0.0005	<0.0005	**0.00294**	--	--	
MW-7	4/19/1998	97.82	22.9	--	74.92	--	--	<0.0005	<0.0005	<0.005	<0.002	--	--	
MW-7	9/23/1998	97.82	22.12	--	75.70	--	--	**0.000731**	<0.0005	**0.00568**	<0.0015	--	--	
MW-7	4/28/1999	97.82	22.71	--	75.11	--	--	**0.00091**	**0.00078**	**0.00197**	**0.00104**	<0.01	--	
MW-7	10/13/1999	97.82	22.64	--	75.18	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-7	5/19/2000	97.82	22.99	--	74.83	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-7	9/27/2000	97.82	22.98	--	74.84	--	--	<0.0005	<0.0005	**0.00619**	<0.002	<0.005	--	
MW-7	5/5/2001	97.82	23.29	--	74.53	--	--	<0.0005	<0.0005	**0.0006**	<0.001	<0.005	--	
MW-7	8/2/2001	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	10/2/2001	97.82	23.14	--	74.68	--	--	<0.0005	<0.0005	**0.00109**	<0.001	<0.001	--	
MW-7	5/1/2002	159.86	23.09	--	136.77	--	--	<0.0005	<0.0005	<0.0005	**0.00127**	<0.001	--	
MW-7	9/20/2002	159.86	22.95	--	136.91	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-7	5/20/2003	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	10/2/2003	159.86	23.3	--	136.56	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-7	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-8	2/1/1992	--	--	--	--	--	--	**0.16**	**0.28**	**3.4**	**0.12**	--	--	Sample date accurate to month and year only
MW-8	5/1/1992	98.09	22.24	--	75.85	--	--	**0.11**	**0.2**	**2.3**	**9.9**	--	--	Sample date accurate to month and year only
MW-8	9/1/1992	98.09	22.43	--	75.66	--	--	**0.13**	**0.26**	**2.6**	**0.11**	--	--	Sample date accurate to month and year only
MW-8	11/1/1992	98.09	22.5	--	75.59	--	--	**0.9**	**0.17**	**1.3**	**7.5**	--	--	Sample date accurate to month and year only
MW-8	5/1/1993	98.09	22.84	--	75.25	--	--	**9.3**	**23.0**	**1.8**	**8.5**	--	--	Sample date accurate to month and year only
MW-8	8/1/1993	98.09	22.8	--	75.29	--	--	**11.0**	**25.0**	**1.7**	**12.0**	--	--	Sample date accurate to month and year only
MW-8	11/1/1993	98.09	22.54	--	75.55	--	--	**9.7**	**26.0**	**2.0**	**14.0**	--	--	Sample date accurate to month and year only
MW-8	3/1/1994	98.09	22.43	--	75.66	--	--	**6.4**	**25.0**	**1.8**	**13.0**	--	--	Sample date accurate to month and year only
MW-8	6/1/1994	98.09	22.43	--	75.66	--	--	**10.0**	**33.0**	**2.9**	**22.0**	--	--	Sample date accurate to month and year only
MW-8	8/1/1994	98.09	22.92	--	75.17	--	--	**8.4**	**39.0**	**2.7**	**19.0**	--	--	Sample date accurate to month and year only
MW-8	12/22/1994	98.09	22.74	--	75.35	--	--	**3.9**	**13.0**	**0.8**	**12.0**	--	--	
MW-8	3/31/1995	98.09	22.76	--	75.33	--	--	**4.8**	**13.0**	**1.4**	**9.6**	--	--	
MW-8	6/20/1995	98.09	22.32	--	75.77	--	--	**4.1**	**20.0**	**1.3**	**15.0**	--	--	
MW-8	8/23/1995	98.09	22.51	--	75.58	--	--	**3.6**	**21.0**	**1.9**	**20.0**	--	--	
MW-8	11/16/1995	98.09	22.59	--	75.50	--	--	**3.2**	**18.0**	**1.7**	**16.0**	--	--	
MW-8	1/30/1996	98.09	22.71	--	75.38	--	--	**3.4**	**23.0**	**2.0**	**20.0**	--	--	
MW-8	6/2/1996	98.09	22.57	--	75.52	--	--	**3.4**	**15.9**	**1.47**	**12.7**	--	--	
MW-8	8/26/1996	98.09	22.75	--	75.34	--	--	**2.43 / 2.86**	**16.8 / 18.8**	**1.44 / 1.63**	**18.4 / 20.5**	--	--	
MW-8	10/16/1996	98.09	23.42	--	74.67	--	--	**6.79**	**24.3**	**2.04**	**15.1**	--	--	
MW-8	4/28/1997	98.09	23.14	--	74.95	--	--	**4.27 / 4.54**	**9.78 / 13.9**	**1.29 / 1.37**	**8.56 / 9.29**	--	--	
MW-8	9/10/1997	98.09	22.43	--	75.66	--	--	**2.35**	**6.52**	**0.814**	**7.48**	--	--	
MW-8	4/19/1998	98.09	22.93	--	75.16	--	--	**1.14**	**6.79**	**0.571**	**12.9**	--	--	
MW-8	9/23/1998	98.09	22.36	--	75.73	--	--	**0.683**	**4.2**	**0.539**	**9.23**	--	--	
MW-8	9/21/2001	159.68	--	--	--	--	--	--	--	--	--	--	--	
MW-8R	9/24/2006	159.71	22.06	--	137.65	**2.3**	**22.0**	**0.075**	**1.8**	**0.72**	**4.1**	--	--	
MW-8R	5/14/2007	159.71	22.57	--	137.14	**4.1**	**49.0**	**0.16**	**4.5**	**2.1**	**10.0**	<0.001	--	
MW-8R	9/21/2007	159.71	22.6	--	137.11	**4.9**	**57.0**	**0.12**	**7.4**	**1.8**	**11.0**	--	--	
MW-8R	5/1/2008	159.71	22.79	--	136.92	**3.67**	**55.6**	**0.128**	**3.59**	**3.0**	**14.9**	--	--	
MW-8R	7/15/2008	159.71	22.49	--	137.22	**5.30**	**18.0**	**0.060**	**4.6**	**2.1**	**12.50**	--	--	
MW-8R	5/14/2009	159.71	22.71	--	137.00	**4.1**	**51**	**0.079**	**3.9**	**2.4**	**12.0**	--	--	
MW-8R	8/26/2009	159.71	22.9	--	136.81	**3.3 J**	**49**	**0.072**	**2.9**	**2.0**	**11.4**	--	--	
MW-8R	4/20/2010	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	7/26/2011	159.55	22.84	--	136.71	**6.7**	**17**	**0.15**	**2.1**	**0.49**	**3.4**	--	--	
MW-8RR	11/10/2011	159.55	22.8	--	136.75	**0.78**	**0.030 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	6/20/2012	159.55	22.21	--	137.34	**0.56**	**0.019 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	11/5/2012	159.55	21.57	--	137.98	--	--	--	--	--	--	--	--	
MW-8RR	11/8/2012	159.55	--	--	--	**0.22 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	4/30/2013	159.55	22.61	--	136.94	<0.56	**0.048 J**	**0.0017**	**0.0029**	**0.0016**	**0.0117**	--	--	
MW-8RR	4/30/2013	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	11/7/2013	159.55	21.9	--	137.65	--	--	--	--	--	--	--	--	
MW-8RR	11/8/2013	159.55	--	--	--	**0.75**	<0.050	<0.00024	<0.00023	<0.00024	<0.00072	--	--	
MW-8RR	4/28/2014	159.55	22.32	--	137.23	**0.12 J**	<0.050	<0.00015	<0.00011	**0.00035 J**	<0.00040	--	--	
MW-8RR	4/28/2014	159.55	22.32	--	137.23	**0.37**	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	Collected via hydrasleeve
MW-8RR	11/7/2014	159.55	22.73	--	136.82	**0.33 J**	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	
MW-8RR	4/29/2015	159.55	23.03	--	136.52	**0.22 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	11/6/2015	159.55	22.32	--	137.23	**0.13 J**	<0.010	<0.001	<0.001	<0.001	<0.001	--	--	
MW-8RR	4/21/2016	159.55	22.96	--	136.59	**0.31**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	11/1/2016	159.55	22.6	--	136.95	**0.37 J**	**0.013 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	5/1/2017	159.55	22.46	--	137.09	**0.60**	**0.014 J**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	10/17/2017	159.55	23.35	--	136.20	**0.24 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
MW-8RR	4/27/2018	159.55	22.72	--	136.83	**0.12 J**	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
MW-8RR	10/18/2018	159.55	22.67	--	136.88	**0.11 J**	<0.014	<0.0002	<0.0002	**0.0002 J**	**0.0009**	-	--	
MW-8RR	4/9/2019	166.43	22.51[2]	0.00	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	9/11/2019	166.43	23.03	0.00	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	4/22/2020	166.43	22.61	0.00	143.82	<0.824 J	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-8RR	10/9/2020	166.43	22.72	0.00	143.71	<0.808	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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	4/7/2021	166.43	--	--	--	--	--	--	--	--	--	--	--	Unable to be located due to ice
MW-8RR	8/26/2021	166.43	22.65	0.00	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-9	2/1/1992	--	--	--	--	**--**		**0.03**	**0.059**	**0.074**	**0.027**	**--**	**--**	Sample date accurate to month and year only
MW-9	5/1/1992	90.3	14.57	--	75.73	**--**	**--**	ND	**0.003**	**0.013**	**0.002**	**--**	**--**	Sample date accurate to month and year only
MW-9	9/1/1992	90.3	14.74	--	75.56	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	11/1/1992	90.3	14.66	--	75.64	**--**	**--**	**0.003**	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	5/1/1993	90.3	15.11	--	75.19	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	8/1/1993	90.3	15.12	--	75.18	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	11/1/1993	90.3	14.96	--	75.34	**--**	**--**	ND	**0.011**	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	3/1/1994	90.3	14.99	--	75.31	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	6/1/1994	90.3	15.23	--	75.07	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	8/1/1994	90.3	15.48	--	74.82	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-9	12/22/1994	90.3	15.13	--	75.17	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	3/31/1995	90.3	14.98	--	75.32	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	6/20/1995	90.3	14.68	--	75.62	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	8/23/1995	90.3	15.02	--	75.28	**--**	**--**	ND	**0.00067**	ND	**0.0022**	**--**	**--**	
MW-9	11/16/1995	90.3	15	--	75.30	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	1/30/1996	90.3	15.22	--	75.08	**--**	**--**	ND	ND	ND	ND	**--**	**--**	
MW-9	6/2/1996	90.3	14.93	--	75.37	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	8/26/1996	90.3	15.5	--	74.80	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	10/16/1996	90.3	15.81	--	74.49	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	4/28/1997	90.3	15.5	--	74.80	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	9/10/1997	90.3	14.76	--	75.54	**--**	**--**	<0.001	<0.001	<0.001	<0.001	**--**	**--**	
MW-9	4/19/1998	90.3	15.35	--	74.95	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	9/23/1998	90.3	14.39	--	75.91	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	**--**	**--**	
MW-9	4/28/1999	90.3	14.98	--	75.32	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	**--**	
MW-9	10/13/1999	90.3	15.02	--	75.28	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	**--**	
MW-9	5/19/2000	90.3	15.4	--	74.90	**--**	**--**	<0.001 / <0.001	<0.001 / <0.001	<0.001 / <0.001	<0.002 / <0.002	<0.002 / <0.002	**--**	
MW-9	9/27/2000	90.3	15.24	--	75.06	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.005	**--**	
MW-9	5/5/2001	90.3	15.69	--	74.61	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.005	**--**	
MW-9	8/2/2001	90.3	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	10/2/2001	90.3	--	--	--	**--**	<0.05	**--**	**--**	**--**	**--**	**--**	**--**	
MW-9	5/1/2002	152.33	15.38	--	136.95	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.001	**--**	
MW-9	9/20/2002	152.33	15.32	--	137.01	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	**--**	
MW-9	5/20/2003	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	10/2/2003	152.33	15.54	--	136.79	**--**	**--**	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	**--**	
MW-9	6/1/2004	152.33	15.11	--	137.22	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	<0.002	**--**	
MW-9	9/21/2004	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	5/12/2005	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	9/19/2005	152.33	14.8	--	137.53	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	<0.0025 / <0.0025	**--**	
MW-9	5/8/2006	152.33	15.74	--	136.59	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	--	**--**	
MW-9	9/24/2006	152.34	14.88	--	137.46	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	**--**	
MW-9	5/14/2007	152.34	15.31	--	137.03	**--**	**--**	<0.0005	<0.0007	<0.0008	<0.0016	<0.0005	**--**	
MW-9	9/21/2007	152.34	15.23	--	137.11	**--**	**--**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	**--**	
MW-9	5/1/2008	152.34	15.37	--	136.97	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0015	--	**--**	
MW-9	7/15/2008	152.34	15.27	--	137.07	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0001	--	**--**	
MW-9	5/14/2009	152.34	16.37	--	135.97	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.001	--	**--**	
MW-9	8/26/2009	152.34	15.61	--	136.73	**--**	**0.12**	<0.0005	<0.0005	<0.0005	<0.001	--	**--**	
MW-9	4/20/2010	152.34	15.6	--	136.74	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	--	**--**	
MW-9	9/5/2010	152.34	15.35	--	136.99	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0015	--	**--**	
MW-9	5/24/2011	152.34	15.74	--	136.60	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	--	**--**	
MW-9	11/10/2011	152.34	15.6	--	136.74	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	--	**--**	
MW-9	6/20/2012	152.34	15.02	--	137.32	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	--	**--**	
MW-9	11/5/2012	152.34	14.41	--	137.93	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	--	**--**	
MW-9	4/30/2013	152.34	15.37	--	136.97	**--**	**--**	<0.000062	<0.000077	<0.000081	<0.00022	--	**--**	
MW-9	4/30/2013	152.34	15.37	--	136.97	**--**	**--**	<0.000062	<0.000077	<0.000081	<0.00022	--	**--**	Collected via hydrasleeve
MW-9	11/7/2013	152.34	14.75	--	137.59	**--**	**--**	--	--	--	--	--	**--**	
MW-9	11/8/2013	--	--	--	--	**--**	**--**	<0.00024	<0.00023	<0.00024	<0.00072	**--**	**--**	
MW-9	4/28/2014	152.34	15.17	--	137.17	**--**	**--**	<0.00015	<0.00011	<0.00016	<0.00040	**--**	**--**	
MW-9	4/28/2014	152.34	15.17	--	137.17	**--**	**--**	<0.00015	<0.00011	<0.00016	<0.00040	**--**	**--**	Collected via hydrasleeve
MW-9	11/7/2014	152.34	15.56	--	136.78	**--**	**--**	<0.00015	<0.00011	<0.00016	<0.00040	**--**	**--**	
MW-9	4/29/2015	152.34	15.84	--	136.50	-	**--**	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
MW-9	11/6/2015	152.34	15.16	--	137.18	**--**	-	<0.001	<0.001	<0.001	<0.001	**--**	**--**	
MW-9	4/21/2016	152.34	15.79	--	136.55	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
MW-9	11/1/2016	152.34	15.43	--	136.91	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	**--**	**--**	
MW-9	5/1/2017	152.34	15.27	--	137.07	**--**	**--**	<0.003	<0.003	<0.003	<0.003	**--**	**--**	
MW-9	10/17/2017	152.34	15.15	--	137.19	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	--	**--**	
MW-9	4/27/2018	152.34	15.52	--	136.82	**--**	**--**	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	**--**	
MW-9	10/18/2018	152.34	15.44	--	136.90	**--**	**--**	<0.0002	<0.0002	<0.0002	<0.0005	-	**--**	
MW-9	4/9/2019	159.24	15.36[2]	0.00	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	9/11/2019	159.24	15.87	0.00	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	4/22/2020	159.24	15.39	0.00	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	10/9/2020	159.24	15.54	0.00	143.70	<0.800	**0.0168 J**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-9	4/7/2021	159.24	15.88	0.00	143.36	<0.888	<0.1	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-9	8/26/2021	159.24	15.45	0.00	143.79	<0.800 B	<0.100 B	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
MW-10	2/1/1992	--	--	--	--	**--**		ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only
MW-10	9/1/1992	--	--	--	79.61	**--**	**--**	ND	ND	ND	ND	**--**	**--**	Sample date accurate to month and year only

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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-10	8/1/1993	--	--	--	79.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-10	8/2/2001	--	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	9/21/2001	160.9	--	--	--	--	<0.05	--	--	--	--	--	--	
MW-10	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-11	2/1/1992	98.38	--	--	--	--		**0.08**	**ND**	**0.02**	**0.01**	--	--	Sample date accurate to month and year only
MW-11	5/1/1992	98.38	22.65	--	75.73	--	--	**1.6**	**8.7**	**1.2**	**0.20**	--	--	Sample date accurate to month and year only
MW-11	9/1/1992	98.38	22.76	--	75.62	--	--	**0.36**	--	**0.03**	**0.061**	--	--	Sample date accurate to month and year only
MW-11	11/1/1992	98.38	22.73	--	75.65	--	--	**1.2**	**0.074**	**0.02**	**0.004**	--	--	Sample date accurate to month and year only
MW-11	5/1/1993	98.38	23.06	--	75.32	--	--	**0.03**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	8/1/1993	98.38	23.05	--	75.33	--	--	**0.042**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	11/1/1993	98.38	22.87	--	75.51	--	--	**0.11**	ND	**0.11**	**0.1**	--	--	Sample date accurate to month and year only
MW-11	3/1/1994	98.38	22.82	--	75.56	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	6/1/1994	98.38	23.09	--	75.29	--	--	**0.012**	ND	**0.011**	**0.019**	--	--	Sample date accurate to month and year only
MW-11	8/1/1994	98.38	23.32	--	75.06	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-11	12/22/1994	98.38	23.02	--	75.36	--	--	ND	ND	ND	ND	--	--	
MW-11	3/31/1995	98.38	22.91	--	75.47	--	--	ND	ND	ND	ND	--	--	
MW-11	6/20/1995	98.38	22.57	--	75.81	--	--	**0.00072**	ND	ND	ND	--	--	
MW-11	8/23/1995	98.38	22.89	--	75.49	--	--	**0.0013**	ND	ND	ND	--	--	
MW-11	11/16/1995	98.38	22.88	--	75.50	--	--	**0.0016**	ND	ND	ND	--	--	
MW-11	1/30/1996	98.38	23.14	--	75.24	--	--	**0.00068**	ND	ND	ND	--	--	
MW-11	6/2/1996	98.38	22.82	--	75.56	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / 0.00063	<0.001 / <0.001	--	--	
MW-11	8/26/1996	98.38	23.31	--	75.07	--	--	**0.0016**	<0.0005	<0.0005	<0.001	--	--	
MW-11	10/16/1996	98.38	23.69	--	74.69	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-11	4/28/1997	98.38	23.38	--	75.00	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	9/10/1997	98.38	22.62	--	75.76	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	4/19/1998	98.38	23.22	--	75.16	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	9/23/1998	98.38	22.41	--	75.97	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-11	4/28/1999	98.38	22.86	--	75.52	--	--	<0.0005	**0.00063**	<0.0005	<0.0005	<0.01	--	
MW-11	10/13/1999	98.38	22.93	--	75.45	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-11	5/19/2000	98.38	23.27	--	75.11	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-11	9/27/2000	98.38	23.14	--	75.24	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-11	5/5/2001	98.38	23.59	--	74.79	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-11	8/0/2001	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	10/2/2001	98.38	23.46	--	74.92	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-11	5/1/2002	160.22	23.32	--	136.90	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-11	9/20/2002	160.22	23.21	--	137.01	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-11	5/20/2003	160.22	--	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-11	10/02/2003	160.22	--	--	--	--	--	--	--	--	--	--	--	
MW-11	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-12	2/1/1992	--	--	--	--	--		**0.0033**	ND	ND	**0.0038**	--	--	Sample date accurate to month and year only
MW-12	9/1/1992	--	--	--	77.00	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-12	8/1/1993	--	--	--	76.58	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-12	8/2/2001	--	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	9/21/2001	160.78	--	--	--	--	<0.05	--	--	--	--	--	--	
MW-12	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-14A	5/1/1992	--	--	--	75.72	--		ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	9/1/1992	--	--	--	75.59	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	11/1/1992	--	--	--	75.64	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	5/1/1993	--	--	--	75.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	8/1/1993	--	--	--	75.29	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	11/1/1993	--	--	--	75.43	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	6/1/1994	--	--	--	75.23	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	8/1/1994	--	--	--	74.95	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14A	8/2/2001	--	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	9/21/2001	160.21	--	--	--	--	<0.05	--	--	--	--	--	--	
MW-14A	5/1/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-14B	9/1/1992	--	--	--	--	--		ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14B	8/1/1993	--	--	--	75.32	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-14B	8/2/2001	--	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	09/21/2001	160.2	--	--	--	--	<0.05	--	--	--	--	--	--	
MW-14B	05/01/2004	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed May 2004
MW-15	9/1/1992	--	--	--	--	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	11/1/1992	87.01	11.37	--	75.64	--	--	**0.002**	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	5/1/1993	87.01	11.71	--	75.30	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	8/1/1993	87.01	11.71	--	75.30	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	11/1/1993	87.01	11.54	--	75.47	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	3/1/1994	87.01	11.52	--	75.49	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	6/1/1994	87.01	11.77	--	75.24	--	--	ND	ND	ND	ND	--	--	Sample date accurate to month and year only
MW-15	8/1/1994	87.01	12.02	--	74.99	--	--	ND	ND	ND	ND	--	--	
MW-15	12/22/1994	87.01	11.68	--	75.33	--	--	ND	ND	ND	ND	--	--	
MW-15	3/31/1995	87.01	11.53	--	75.48	--	--	ND	ND	ND	ND	--	--	
MW-15	6/20/1995	87.01	11.23	--	75.78	--	--	ND	ND	ND	ND	--	--	Trace NAPL
MW-15	8/23/1995	87.01	11.55	--	75.46	--	--	ND	ND	ND	ND	--	--	
MW-15	11/16/1995	87.01	11.55	--	75.46	--	--	ND	ND	ND	ND	--	--	

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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	1/30/1996	87.01	11.78	--	75.23	--	--	ND	ND	ND	ND	--	--	
MW-15	6/2/1996	87.01	11.48	--	75.53	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	Insufficient recharge
MW-15	8/26/1996	87.01	12.03	--	74.98	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	10/16/1996	87.01	12.5	--	74.51	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	4/28/1997	87.01	12.04	--	74.97	--	--	<0.0005	**0.000527**	<0.0005	<0.001	--	--	
MW-15	9/10/1997	87.01	11.29	--	75.72	--	--	<0.002	<0.002	<0.002	<0.002	--	--	
MW-15	4/19/1998	87.01	11.9	--	75.11	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	9/23/1998	87.01	11.06	--	75.95	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-15	4/28/1999	87.01	11.52	--	75.49	--	--	<0.0005	**0.00059**	<0.0005	<0.0005	<0.01	--	
MW-15	10/13/1999	87.01	11.57	--	75.44	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
MW-15	5/19/2000	87.01	11.95	--	75.06	--	--	<0.001	<0.001	<0.001	<0.002	<0.002	--	
MW-15	9/27/2000	87.01	11.8	--	75.21	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
MW-15	5/5/2001	87.01	--	--	--	--	--	--	--	--	--	--	--	
MW-15	10/20/2001	87.01	--	--	--	--	--	--	--	--	--	--	--	
MW-15	5/1/2002	148.9	--	--	--	--	--	--	--	--	--	--	--	
MW-15	9/20/2002	148.9	--	--	--	--	--	--	--	--	--	--	--	
MW-15	5/20/2003	148.9	--	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-15	10/2/2003	148.9	8.58	--	140.32	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-15	6/1/2004	148.9	--	--	--	--	--	--	--	--	--	--	--	
MW-15	9/21/2004	148.9	--	--	--	--	--	--	--	--	--	--	--	Sample date defaulted to first date listed in historical data table
MW-15	5/12/2005	148.9	--	--	--	--	--	--	--	--	--	--	--	
MW-15	9/19/2005	148.9	--	--	--	--	--	--	--	--	--	--	--	
MW-15	5/8/2006	148.9	--	--	--	--	--	--	--	--	--	--	--	
MW-16	8/2/2001	--	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	10/2/2001	--	14.33	--	--	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	Car parked over well
MW-16	5/1/2002	151.08	14.12	--	136.96	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	Car parked over well
MW-16	9/20/2002	151.08	14.04	--	137.04	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-16	5/20/2003	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	10/2/2003	151.08	14.3	--	136.78	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-16	6/1/2004	151.08	13.86	--	137.22	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	
MW-16	9/21/2004	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	5/12/2005	151.08	14.04	--	137.04	--	--	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	
MW-16	9/19/2005	151.08	13.53	--	137.55	--	--	<0.0005	<0.0005	<0.0005	<0.001	**0.0025**	--	
MW-16	5/8/2006	151.08	14.53	--	136.55	--	--	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.001 / <0.001	--	--	
MW-16	9/24/2006	152.13	13.69	--	138.44	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-16	5/14/2007	152.13	14.13	--	138.00	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.0005	--	
MW-16	9/12/2007	152.13	14.01	--	138.12	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
MW-16	5/1/2008	152.13	14.18	--	137.95	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	
MW-16	5/14/2009	152.13	--	--	--	--	--	--	--	--	--	--	--	Unable to Access - behind fenced area
MW-17	8/2/2001	--	11.7	--	--	**0.000118**		<0.0001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-17	10/2/2001	--	12.12	--	--	--	<0.05	<0.0005	<0.005	<0.005	<0.001	<0.001	--	
MW-17	5/1/2002	148.89	11.91	--	136.98	--	--	<0.0005	<0.005	<0.005	<0.001	<0.001	--	
MW-17	9/20/2002	148.89	11.86	--	137.03	--	--	<0.0005	<0.005	<0.005	<0.001	<0.001 / 0.002	--	
MW-17	5/20/2003	148.89	12.3	--	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	10/2/2003	148.89	12.07	--	136.82	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-17	6/1/2004	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	9/21/2004	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	5/12/2005	148.89	11.81	--	137.08	--	--	--	--	--	--	--	--	
MW-17	9/19/2005	148.89	11.45	--	137.44	--	--	--	--	--	--	--	--	
MW-17	5/8/2006	148.89	13.56	--	135.33	--	--	--	--	--	--	--	--	
MW-17	9/24/2006	148.91	12.69	--	136.22	--	--	--	--	--	--	--	--	
MW-17	5/14/2007	148.91	13.27	--	135.64	--	--	--	--	--	--	--	--	
MW-17	9/21/2007	148.91	11.77	--	137.14	--	--	--	--	--	--	--	--	
MW-17	5/1/2008	148.91	11.9	--	137.01	--	--	--	--	--	--	--	--	
MW-17	5/14/2009	148.91	--	--	--	--	--	--	--	--	--	--	--	Unable to Access - behind fenced area
MW-18	8/2/2001	--	13.3	--	--	**0.0132**	--	<0.001	<0.001	<0.001	<0.003	--	--	Sample date defaulted to first date listed in historical data table
MW-18	10/2/2001	--	13.46	--	--	--	**0.162**	<0.0005	<0.0005	**0.00139**	**0.0112**	<0.001	--	
MW-18	5/1/2002	150.5	12.88	--	137.62	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
MW-18	9/20/2002	150.5	13.17	--	137.33	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001 / 0.002	--	
MW-18	5/20/2003	150.5	13.6	--	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	10/2/2003	150.5	14.23	--	136.27	--	--	<0.0005	<0.0007	<0.0008	<0.0016	<0.002	--	
MW-18	6/1/2004	150.5	12.96	--	137.54	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.002	--	
MW-18	9/21/2004	150.5	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	5/12/2005	150.5	13.06	--	137.44	--	--	--	--	--	--	--	--	
MW-18	9/19/2005	150.5	12.74	--	137.76	--	--	--	--	--	--	--	--	
MW-18	05/08/2006	150.78	--	--	--	--	--	--	--	--	--	--	--	
Trip Blank	1/30/1996	--	--	--	--	--	--	ND	ND	ND	ND	--	--	
Trip Blank	6/2/1996	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	8/26/1996	--	--	--	--	--	--	<0.0005	**0.00061**	<0.0005	<0.001	--	--	
Trip Blank	10/16/1996	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	4/28/1997	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	9/10/1997	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	4/19/1998	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	9/23/1998	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	4/28/1999	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.01	--	

Table 4. 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)	LNAPL Thickness (ft)	GW Elev (ft amsl)	TPH-d (mg/L)	TPH-g (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	10/13/1999	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	--	
Trip Blank	9/27/2000	--	--	--	--	--	--	<0.0005	**0.000572**	<0.0005	<0.001	<0.005	--	
Trip Blank	5/5/2001	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.005	--	
Trip Blank	10/2/2001	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
Trip Blank	5/1/2002	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.001	--	
Trip Blank	9/20/2002	--	--	--	--	--	--	<0.0005	**0.000518**	<0.0005	<0.001	<0.001	--	
Trip Blank	5/20/2003	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	Sample date defaulted to first date listed in historical data table
Trip Blank	10/2/2003	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	
Trip Blank	6/1/2004	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	
Trip Blank	9/21/2004	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	Sample date defaulted to first date listed in historical data table
Trip Blank	5/12/2005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	
Trip Blank	9/19/2005	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	<0.0025	--	
Trip Blank	5/8/2006	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	9/24/2006	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	5/14/2007	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	--	
Trip Blank	9/21/2007	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	5/1/2008	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0015	--	--	
Trip Blank	7/15/2008	--	--	--	--	--	<0.05	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	4/30/2009	--	--	--	--	--	<0.01	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	8/19/2009	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	4/20/2010	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	6/10/2010	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.001	--	--	
Trip Blank	8/27/2010	--	--	--	--	--	<0.010	<0.010	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	5/24/2011	--	--	--	--	--	--	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	7/26/2011	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	11/10/2011	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	6/20/2012	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	11/5/2012	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	4/30/2013	--	--	--	--	--	<0.010	<0.000062	<0.000077	<0.000081	<0.00022	--	--	
Trip Blank	11/08/2013	--	--	--	--	--	<0.10	<0.00024	<0.00023	<0.00024	<0.00072	--	--	
Trip Blank	4/28/2014	--	--	--	--	--	<0.050	<0.00015	<0.00011	<0.00016	<0.00040	--	--	Car parked over well
Trip Blank	11/7/2014	--	--	--	--	--	<0.050	<0.00015	**0.00012 J**	<0.00016	<0.00040	--	--	
Trip Blank	4/29/2015	--	--	--	--	--	<0.050	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	11/6/2015	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	4/21/2016	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	11/1/2016	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	10/17/2017	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	--	--	
Trip Blank	4/27/2018	--	--	--	--	--	<0.010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	
Trip Blank	10/18/2018	--	--	--	--	--	<0.010	<0.0002	<0.0002	<0.0002	<0.0005	--	--	
Trip Blank	4/3/2019	--	--	--	--	--	<0.014	<0.0002	<0.0002	<0.0004	<0.001	<0.0002	<0.001	
Trip Blank	9/11/2019	--	--	--	--	<0.014	<0.100	<0.0000090	<0.00039	<0.00050	<0.00114	<0.00044	**0.000095 J*B**	
Trip Blank	4/22/2020	--	--	--	--	--	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Trip Blank	10/9/2020	--	--	--	--	--	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Trip Blank	8/26/2021	--	--	--	--	--	**0.0429 J**	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	**0.00124 J**	
Tudor Motel	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	
Tudor Motel	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	
Tudor Motel	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
Equipment Blank	9/11/2019	--	--	--	--	<0.076	<0.100	**0.000013 J**	**0.0011 J**	<0.00050	<0.00114	<0.00044	**0.000030 J*B**	
Equipment Blank	4/22/2020	--	--	--	--	<0.800	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Equipment Blank	10/9/2020	--	--	--	--	<0.800	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	
Equipment Blank	8/26/2021	--	--	--	--	0.624 J	<0.100	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	***<0.00500***	

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 5a. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	EDC (mg/L)	TCE (mg/L)	PCE (mg/L)	cis-1,2-DCE (mg/L)	Methylene chloride (mg/L)	Isopropylbenzene mg/L	1,2-Dichlorobenzene (o-Dichlorobenzene) mg/L	trans-1,2-Dichloroethene mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0017**	**0.0028**	**0.041**	**0.036**	**0.11**	**--**	**0.3**	**0.36**	**8**	**0.00076**	**0.00041**	**10**	
MW-1R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1R	5/1/2008	**0.0182**	**0.004**	<0.005	<0.07	<0.005	--	--	--	--	--	--	--	
MW-1R	7/15/2008	**0.021**	<0.01	<0.008	<0.008	**0.021**	--	--	--	--	--	--	--	
MW-1R	5/14/2009	<0.005 / <0.005	<0.010 / <0.010	<0.008 / <0.008	<0.008 / <0.008	<0.020 / <0.020	--	--	--	--	--	--	--	
MW-1R	8/26/2009	<0.005J / **0.021 J**	<0.010 / <0.010	<0.008 / <0.008	<0.008 / <0.008	<0.020 / <0.020	--	--	--	--	--	--	--	
MW-1R	6/15/2010	**0.014 J / 0.010 J**	<0.010 / <0.010	<0.008 / <0.008	<0.008 / <0.008	<0.020 / <0.020	--	--	--	--	--	--	--	
MW-1R	9/5/2010	<0.003 / <0.003	<0.005 / <0.005	<0.004 / <0.004	<0.004 / <0.004	<0.010 / <0.010	--	--	--	--	--	--	--	
MW-1R	5/24/2011	**0.012**	**0.001 J**	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-1R	5/24/2011	**0.012**	**0.001 J**	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-1R	11/10/2011	**0.004 J / 0.007 J**	<0.001 / <0.001	<0.0008 / <0.0008	<0.0008 / <0.0008	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-1R	6/20/2012	**0.004 J / 0.004 J**	<0.001 / <0.001	**0.0009 J** / <0.0008	<0.0008 / <0.0008	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-1R	11/5/2012	**0.0008 J / 0.0008 J**	<0.001 / <0.001	<0.0008 / <0.0008	<0.0008 / <0.0008	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-1R	4/30/2013	**0.003 / 0.0033**	**0.00013 J / 0.00015 J**	**0.0013 / 0.0012**	<0.000085 / <0.000085	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-1R	4/30/2013	**0.0028 / 0.0034**	**0.00011 J / 0.00012 J**	**0.0012 / 0.001**	<0.000085 / <0.000085	<0.002 / <0.002	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-1R	11/8/2013	**0.0042 J / 0.0030 J**	<0.00060 / <0.00060	**0.0021 J / 0.0020 J**	<0.0011 / <0.0011	<0.010 / <0.010	--	--	--	--	--	--	--	
MW-1R	4/28/2014	**0.0037 / 0.0037**	0.00065 / 0.00061	**0.0024 / 0.0022**	<0.00013 / <0.00013	<0.0020 / <0.0020	--	--	--	--	--	--	--	
MW-1R	4/28/2014	**<0.00066 UJ / 0.0038 J**	<0.00046 / 0.00066	<0.00078 UJ / **0.0017 J**	<0.00066 / <0.00013	<0.010 / <0.0020	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-1R	11/7/2014	**<0.00066 / 0.0021 J**	<0.00046 / <0.00046	**0.0019 J / 0.0016 J**	<0.00066 / <0.00066	<0.010 / <0.010	--	--	--	--	--	--	--	
MW-1R	4/29/2015	**0.003**	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-1R	11/6/2015	<0.001	<0.001	<0.001	<0.001	<0.004	--	--	--	--	--	--	--	
MW-1R	4/21/2016	**0.001**	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-1R	11/1/2016	**0.002**	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-1R	5/1/2017	**0.001**	<0.0005	**0.0007 J**	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-1R	10/17/2017	**0.001**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	
MW-1R	4/27/2018	**0.002**	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	
MW-1R	10/18/2018	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	--	--	--	--	--	--	--	
MW-1R	4/9/2019	**0.001 [0.001]**	<0.0002 [<0.0002]	<0.0002 [**0.0004 J**]	<0.0002 [<0.0002]	<0.0003 [<0.0003]	--	--	--	--	--	--	--	
MW-1R	9/11/2019	**0.0014**	< 0.0000090	< 0.00050B	< 0.00069	< 0.0014	**--**	**--**	**--**	--	--	--	--	
MW-1R	10/9/2020	**0.00222**	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
MW-1R	4/7/2021	**0.00276**	<0.00100	<0.00100	<0.00100	<0.00500	**0.000426 J**	<0.00100	<0.00100	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
MW-1R	8/26/2021	**0.00311 J**	<0.00100	<0.00100 J	<0.00100	<0.00500	<0.00100 J	<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**	<0.005 / <0.005	<0.005 / 0.00079	<0.07 / <0.07	<0.005 / <0.005	--	--	--	--	--	--	--	
MW-2R	7/15/2008	**0.035 / 0.037**	<0.005 / <0.005	<0.004 / <0.005	<0.004 / <0.07	<0.010 / <0.005	--	--	--	--	--	--	--	
MW-2R	5/14/2009	**0.027**	<0.002	<0.002	<0.002	<0.004	--	--	--	--	--	--	--	
MW-2R	8/26/2009	**0.056**	<0.005	<0.004	<0.004	<0.010	--	--	--	--	--	--	--	
MW-2R	6/15/2010	**0.017**	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-2R	9/5/2010	**0.008**	<0.001	**0.001 J**	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-2R	5/24/2011	**0.016 / 0.015**	<0.001 / <0.001	<0.0008 / <0.0008	<0.0008 / <0.0008	<0.002 / <0.002	**--**	**--**	**--**	--	--	--	--	
MW-2R	11/10/2011	**0.012**	<0.001	<0.0008	<0.0008	<0.002	**--**	**--**	**--**	--	--	--	--	
MW-2R	6/20/2012	**0.011**	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-2R	11/8/2012	**0.002 J**	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-2R	4/30/2013	**0.0091**	<0.000083	**0.00089 J**	**0.00022 J**	<0.002	--	--	--	--	--	--	--	
MW-2R	4/30/2013	**0.0049**	<0.000083	**0.00045 J**	<0.000085	<0.002	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/8/2013	**0.0053**	<0.00012	**0.00047 J**	<0.00023	<0.0020	--	--	--	--	--	--	--	
MW-2R	4/28/2014	**0.011**	<0.000091	**0.00077 J**	<0.00013	<0.0020	--	--	--	--	--	--	--	
MW-2R	4/28/2014	**0.0021**	<0.000091	**0.00027 J**	<0.00013	<0.0020	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/7/2014	<0.00066	<0.00046	<0.00078	<0.00066	<0.010	--	--	--	--	--	--	--	
MW-2R	4/29/2015	**0.003 / 0.003**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-2R	11/6/2015	**0.002** / <0.003	<0.001 / <0.003	<0.001 / <0.003	<0.001 / <0.003	<0.004 / <0.010	--	--	--	--	--	--	--	
MW-2R	4/21/2016	**0.008 / 0.009 J**	<0.0005 / <0.005	**0.0006 J / <0.005**	<0.0005 / <0.005	<0.002 / <0.02	--	--	--	--	--	--	--	
MW-2R	11/1/2016	**0.011 / 0.011**	<0.0005 / <0.0005	**0.0008 J / 0.0008 J**	<0.0005 / <0.0005	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-2R	5/1/2017	**0.007 / 0.008**	<0.0005 / <0.0005	**0.0006 J / 0.0006 J**	<0.0005 / <0.0005	<0.002 / <0.002	--	--	--	--	--	--	--	
MW-2R	10/17/2017	**0.009 / 0.009**	<0.0005 / <0.0005	0.0009 J / 0.0008 J	<0.0005 / <0.0005	<0.0005 / <0.0005	--	--	--	--	--	--	--	
MW-2R	4/27/2018	**0.007 / 0.007**	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	<0.0005 / <0.0005	--	--	--	--	--	--	--	
MW-2R	10/18/2018	**0.003 J / 0.003 J**	<0.0002 / <0.0002	<0.0002 / <0.0002	<0.0002 / <0.0002	<0.0002 / <0.0002	--	--	--	--	--	--	--	
MW-2R	4/9/2019	**0.005**	<0.0002	0.0004 J	<0.0002	<0.0003	--	--	--	--	--	--	--	
MW-2R	9/11/2019	**0.006**	**0.00011 J**	< 0.00050B	< 0.00069	< 0.0014	**--**	**--**	**--**	--	--	--	--	
MW-2R	10/9/2020	**0.00640 [0.00617]**	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	**0.0425 [0.0417]**	<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	**0.00565 [0.00682]**	0.000555 J [<0.00100]	0.000422 J [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	**0.0393 [0.0346]**	<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	8/26/2021	**0.0105 J [0.0106 J]**	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	<0.0433 J [<0.0426 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-8R	9/24/2006	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8R	5/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8R	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8R	5/1/2008	**0.0174**	<0.005	**0.00695**	<0.07	<0.005	--	--	--	--	--	--	--	
MW-8R	7/15/2008	**0.011**	<0.010	<0.008	<0.008	<0.020	--	--	--	--	--	--	--	
MW-8R	5/14/2009	<0.003	<0.005	**0.005**	<0.004	<0.010	--	--	--	--	--	--	--	
MW-8R	8/26/2009	<0.005	<0.010	<0.008	<0.008	0.023 J	--	--	--	--	--	--	--	
MW-8R	4/20/2010	**0.004 J /0.004 J**	<0.005 / <0.005	0.005 J / <0.004	<0.004 / <0.004	<0.010 / <0.010	--	--	--	--	--	--	--	

Table 5a. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	EDC (mg/L)	TCE (mg/L)	PCE (mg/L)	cis-1,2-DCE (mg/L)	Methylene chloride (mg/L)	Isopropylbenzene mg/L	1,2-Dichlorobenzene (o-Dichlorobenzene) mg/L	trans-1,2-Dichloroethene mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0017**	**0.0028**	**0.041**	**0.036**	**0.11**	**--**	**0.3**	**0.36**	**8**	**0.00076**	**0.00041**	**10**	
MW-8RR	7/26/2011	**0.024**	<0.002	**0.011**	<0.002	<0.004	--	--	--	--	--	--	--	
MW-8RR	11/10/2011	**0.005**	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-8RR	6/20/2012	**0.002 J**	<0.001	**0.0008 J**	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-8RR	11/8/2012	**0.0006 J**	<0.001	**0.002 J**	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-8RR	4/30/2013	**0.0033**	<0.000083	**0.0019**	<0.000085	<0.002	--	--	--	--	--	--	--	
MW-8RR	4/30/2013	**0.0025**	<0.000083	**0.002**	**0.00023 J**	<0.002	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-8RR	11/8/2013	**0.00055 J**	<0.00012	**0.0032**	<0.00023	<0.0020	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	**0.00065 J**	<0.000091	**0.0042**	<0.00013	<0.0020	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	**0.00061 J**	<0.000091	**0.0042**	<0.00013	<0.0020	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-8RR	11/7/2014	**0.0013**	<0.000091	**0.0024**	<0.00013	<0.0020	--	--	--	--	--	--	--	
MW-8RR	4/29/2015	**0.001**	<0.0005	**0.001**	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-8RR	11/6/2015	<0.001	<0.001	<0.001	<0.001	<0.004	--	--	--	--	--	--	--	
MW-8RR	4/21/2016	<0.001	<0.0005	**0.002**	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-8RR	11/1/2016	**0.001**	<0.0005	**0.004**	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-8RR	5/1/2017	**0.002**	<0.0005	**0.004**	<0.0005	<0.002	--	--	--	--	--	--	--	
MW-8RR	10/17/2017	**0.001**	<0.0005	**0.003**	<0.0005	<0.0005	**--**	**--**	**--**	--	--	--	--	
MW-8RR	4/27/2018	**0.001**	<0.0005	**0.002**	<0.0005	<0.0005	**--**	**--**	**--**	--	--	--	--	
MW-8RR	10/18/2018	**0.003 J**	<0.0002	**0.003**	<0.0002	<0.0002	**--**	**--**	**--**	--	--	--	--	
MW-8RR	4/9/2019	**0.001**	<0.0002	**0.003 J**	<0.0002	<0.0003	**--**	**--**	**--**	--	--	--	--	
MW-8RR	9/11/2019	**0.00079 /0.00077**	**0.000057 J /0.000070 J**	**0.0018 /0.0017**	< 0.00069 /< 0.00069	< 0.0014 / < 0.0014	**--**	**--**	**--**	--	--	--	--	
MW-8RR	4/22/2020	**0.000636 J**	<0.00100	**0.00208 J**	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
MW-8RR	10/9/2020	<0.00100	<0.00100	**0.00287 J**	<0.00100	<0.00500	<0.00100	<0.00100	<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	<0.00100 J	**0.00159 J**	<0.00100 J	<0.00500	**0.000295 J**	<0.00100	<0.00100	<0.00100	***<0.00100***	***<0.00100***	<0.00100 J	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	<0.005	**0.05**	**0.27**	**0.119**	<0.005	--	--	--	--	--	--	--	
MW-9	7/15/2008	<0.0005	**0.043**	**0.21**	**0.097**	<0.002	--	--	--	--	--	--	--	
MW-9	5/14/2009	<0.0005	**0.025**	**0.097**	**0.064**	<0.002	--	--	--	--	--	--	--	
MW-9	8/26/2009	<0.0005	**0.036**	**0.20**	<0.0008	<0.002	--	--	--	--	--	--	--	
MW-9	4/20/2010	<0.0005	**0.044**	**0.28 J**	**0.13**	<0.002	**--**	**--**	**--**	--	--	--	--	
MW-9	9/5/2010	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	--	--	--	--	
MW-9	5/24/2011	<0.0005	**0.011**	**0.055**	**0.032**	<0.002	**--**	**--**	**--**	--	--	--	--	
MW-9	11/10/2011	<0.0005	**0.005**	**0.034**	**0.013**	<0.002	**--**	**--**	**--**	--	--	--	--	
MW-9	6/20/2012	<0.0005	**0.006**	**0.013**	**0.014**	<0.002	--	--	--	--	--	--	--	
MW-9	4/30/2013	<0.00037	**0.0492**	**0.293**	**0.114**	<0.002	--	--	--	--	--	--	--	
MW-9	4/30/2013	<0.00037	**0.0441**	**0.216**	**0.112**	<0.002	--	--	--	--	--	--	--	Sample collected via hydrasleeve

Table 5a. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	EDC (mg/L)	TCE (mg/L)	PCE (mg/L)	cis-1,2-DCE (mg/L)	Methylene chloride (mg/L)	Isopropylbenzene mg/L	1,2-Dichlorobenzene (o-Dichlorobenzene) mg/L	trans-1,2-Dichloroethene mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0017**	**0.0028**	**0.041**	**0.036**	**0.11**	**--**	**0.3**	**0.36**	**8**	**0.00076**	**0.00041**	**10**	
MW-9	11/8/2013	<0.00022	**0.0055**	**0.024**	**0.013**	<0.0020	--	--	--	--	--	--	--	
MW-9	4/28/2014	<0.00013	**0.033**	**0.18**	**0.064**	<0.0020	--	--	--	--	--	--	--	
MW-9	4/28/2014	<0.00013	<0.0041	**0.018**	**0.0067**	<0.0020	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-9	11/7/2014	<0.00013	**0.023**	**0.12**	**0.040**	<0.0020	--	--	--	--	--	--	--	
MW-9	4/29/2015	<0.0005	**0.003**	**0.008**	**0.005**	<0.002	--	--	--	--	--	--	--	
MW-9	11/6/2015	<0.001	**0.025**	**0.12**	**0.078**	<0.004	--	--	--	--	--	--	--	
MW-9	4/21/2016	<0.0005	**0.003**	**0.012**	**0.007**	<0.002	--	--	--	--	--	--	--	
MW-9	11/1/2016	<0.0005	**0.003**	**0.012**	**0.007**	<0.002	--	--	--	--	--	--	--	
MW-9	5/1/2017	<0.003	**0.008**	**0.026**	**0.030**	<0.010	--	--	--	--	--	--	--	
MW-9	10/17/2017	<0.0005	**0.003**	**0.012**	**0.01**	<0.0005	--	--	--	--	--	--	--	
MW-9	4/27/2018	<0.0005	**0.014**	**0.054**	**0.039**	<0.0005	--	--	--	--	--	--	--	
MW-9	10/18/2018	<0.002	**0.022**	**0.082**	**0.064**	<0.0002	--	--	--	--	--	--	--	
MW-9	4/9/2019	<0.0003	**0.023**	**0.085**	**0.067**	<0.0003	--	--	--	--	--	--	--	
MW-9	9/11/2019	< 0.000024	**0.022**	**0.068**	**0.058**	< 0.0014	**--**	**--**	**--**	--	--	--	--	
MW-9	4/22/2020	<0.00100 [<0.00100]	**0.0219 [0.0216]**	**0.0828 [0.0805]**	**0.058**	<0.00500	<0.00100 [<0.00100]	**0.000195 J [0.000177 J]**	**0.000393 J [0.000389 J]**	<0.00100 [<0.00100]	***<0.00100 [<0.00100]***	***<0.00100 [<0.00100]***	<0.00100 [<0.00100]	
MW-9	10/9/2020	<0.00100	**0.0185 J**	**0.0719**	**0.0413**	<0.00500	<0.00100	<0.00100	**0.000209 J**	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
MW-9	4/7/2021	<0.00100	**0.0202**	**0.0922 J**	**0.049**	<0.00500	<0.00100	**0.000114 J**	**0.000319 J**	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
MW-9	8/26/2021	<0.00100	**0.0135**	**0.0452 J**	**0.0376**	<0.00500	<0.00100 J	<0.00100	**0.000275 J**	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	<0.005	**0.0346**	**0.197**	**0.102**	<0.005	--	--	--	--	--	--	--	
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	<0.005	<0.005	<0.005	<0.07	<0.005	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	

Table 5a. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	EDC (mg/L)	TCE (mg/L)	PCE (mg/L)	cis-1,2-DCE (mg/L)	Methylene chloride (mg/L)	Isopropylbenzene mg/L	1,2-Dichlorobenzene (o-Dichlorobenzene) mg/L	trans-1,2-Dichloroethene mg/L	1,1,1-Trichloroethane mg/L	1,1,2,2-Tetrachloroethane mg/L	1,1,2-Trichloroethane mg/L	1,1,2-Trichlorotrifluoroethane (Freon 113) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.0017**	**0.0028**	**0.041**	**0.036**	**0.11**	**--**	**0.3**	**0.36**	**8**	**0.00076**	**0.00041**	**10**	
Trip Blank	5/1/2008	<0.005	<0.005	<0.005	<0.07	<0.005	--	--	--	--	--	--	--	
Trip Blank	7/15/2008	<0.005	<0.005	<0.005	<0.07	<0.005	--	--	--	--	--	--	--	
Trip Blank	4/30/2009	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	8/19/2009	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	4/20/2010	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	6/10/2010	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	8/27/2010	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	5/24/2011	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	7/26/2011	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	11/10/2011	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	6/20/2012	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	11/5/2012	<0.0005	<0.001	<0.0008	<0.0008	<0.002	--	--	--	--	--	--	--	
Trip Blank	4/30/2013	<0.00037	<0.000083	<0.00013	<0.000085	<0.002	--	--	--	--	--	--	--	
Trip Blank	11/8/2013	<0.00022	<0.00012	<0.00029	<0.00023	<0.0020	--	--	--	--	--	--	--	
Trip Blank	4/28/2014	<0.00013	<0.000091	<0.00016	<0.00013	<0.0020	--	--	--	--	--	--	--	
Trip Blank	11/7/2014	<0.00013	<0.000091	<0.00016	<0.00013	<0.0020	--	--	--	--	--	--	--	
Trip Blank	4/21/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	--	--	--	--	
Trip Blank	11/1/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	--	--	--	--	
Trip Blank	5/1/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	--	--	--	--	--	--	--	
Trip Blank	4/27/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	--	--	--	--	--	--	--	
Trip Blank	10/18/2018	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	--	--	--	--	--	--	--	
Trip Blank	4/3/2019	<0.0003	<0.0002	<0.0002	<0.0002	<0.0003	--	--	--	--	--	--	--	
Trip Blank	9/11/2019	< 0.000024	< 0.0000090	**0.000020 J**	< 0.00069	< 0.0014	--	--	--	--	--	--	--	
Trip Blank	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<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	<0.00500	<0.00100	<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	<0.00500	<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 J	<0.00100	<0.00500	<0.00100 J	<0.00100	<0.00100	<0.00100	***<0.00100***	***<0.00100***	<0.00100	
Tudor Motel	9/21/2007	<0.005	<0.0001	<0.0001	<0.0001	<0.0005	--	--	--	--	--	--	--	
Tudor Motel	5/1/2008	<0.005	<0.005	<0.005	<0.07	<0.0005	--	--	--	--	--	--	--	
Tudor Motel	7/15/2008	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	--	--	--	--	--	--	--	
Equipment Blank	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<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	<0.00500	<0.00100	<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	<0.00500	<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 J	<0.00100	<0.00500	<0.00100 J	<0.00100	<0.00100	<0.00100	***<0.00100***	***<0.00100***	<0.00100	

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

Table 5b. Historical Groundwater Analytical 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	1,1-Dichloroethene (Dichloroethylene) mg/L	1,2,3-Trichlorobenzene mg/L	1,2,4-Trichlorobenzene mg/L	1,2,4-Trimethylbenzene mg/L	1,2-Dibromoethane mg/L	1,2-Dichloropropane mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	4-Methyl-2-pentanone mg/L	Acetone mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.028**	**0.28**	**0.007**	**0.004**	**0.056**	**0.000075**	**0.0082**	**0.0047**	**0.0048**	**--**	**6.3**	**14**	
MW-1R	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-1R	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-1R	8/26/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
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	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	10/18/2018	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/9/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.000100 J***	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-2R	10/9/2020	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.151 [0.145]**	***<0.000250 [<0.000250]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.0500 [<0.0500]	
MW-2R	4/7/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.0563 [0.0567]**	***<0.000250 [<0.000250]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.0500 [<0.0500]	
MW-2R	8/26/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	**0.092 [0.0853]**	***<0.000125 [<0.000125]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.0500 [<0.0500]	
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	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-8RR	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/9/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.0000110 J**	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-8RR	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.000015**	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-8RR	4/7/2021	--	--	--	--	--	--	--	--	--	--	--	--	Unable to be located
MW-8RR	8/26/2021	<0.00100 J	<0.00100 J	<0.00100	<0.00100	**0.000995 J**	**0.000006**	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
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	--	--	--	--	--	--	--	--	--	--	--	--	

Table 5b. Historical Groundwater Analytical 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	1,1-Dichloroethene (Dichloroethylene) mg/L	1,2,3-Trichlorobenzene mg/L	1,2,4-Trichlorobenzene mg/L	1,2,4-Trimethylbenzene mg/L	1,2-Dibromoethane mg/L	1,2-Dichloropropane mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	4-Methyl-2-pentanone mg/L	Acetone mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.028**	**0.28**	**0.007**	**0.004**	**0.056**	**0.000075**	**0.0082**	**0.0047**	**0.0048**	**--**	**6.3**	**14**	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-9	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/9/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/22/2020	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	***<0.000500 J [<0.000500 J]***	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.0100 [<0.0100]	<0.0100 [<0.0100]	<0.0500 [<0.0500]	
MW-9	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.000250 J***	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-9	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.000250***	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
MW-9	8/26/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	***<0.000125***	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
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	--	--	--	--	--	--	--	--	--	--	--	--	

Table 5b. Historical Groundwater Analytical 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	1,1-Dichloroethene (Dichloroethylene) mg/L	1,2,3-Trichlorobenzene mg/L	1,2,4-Trichlorobenzene mg/L	1,2,4-Trimethylbenzene mg/L	1,2-Dibromoethane mg/L	1,2-Dichloropropane mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	2-Butanone (Methyl ethyl ketone) mg/L	4-Methyl-2-pentanone mg/L	Acetone mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.028**	**0.28**	**0.007**	**0.004**	**0.056**	**0.000075**	**0.0082**	**0.0047**	**0.0048**	**--**	**6.3**	**14**	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Trip Blank	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Trip Blank	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Trip Blank	8/26/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Tudor Motel	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	
Tudor Motel	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	
Tudor Motel	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
Equipment Blank	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Equipment Blank	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Equipment Blank	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	
Equipment Blank	8/26/2021	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00000500	<0.00100	<0.00100	<0.00100	<0.0100	<0.0100	<0.0500	

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

Table 5c. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Bromochloromethane mg/L	Bromodichloromethane mg/L	Bromoform mg/L	Bromomethane (Methyl bromide) mg/L	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	cis-1,3-Dichloropropene mg/L	Dibromochloromethane mg/L	Comments
ADEC Groundwater Cleanup Levels		**--**	**0.0013**	**0.033**	**0.0075**	**0.81**	**0.0046**	**0.078**	**--**	**0.0022**	**0.19**	**0.0047**	**0.0087**	
MW-1R	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
MW-1R	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
MW-1R	8/26/2021	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<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	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	10/18/2018	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/9/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100 J	<0.00100	
MW-2R	10/9/2020	<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]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	
MW-2R	4/7/2021	<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]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	
MW-2R	8/26/2021	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 J [<0.00100 J]	<0.00500 J [<0.00500 J]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	
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	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-8RR	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/9/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8RR	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100 J	<0.00100	
MW-8RR	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
MW-8RR	4/7/2021	--	--	--	--	--	--	--	--	--	--	--	--	Unable to be located
MW-8RR	8/26/2021	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100 J	<0.00100 J	<0.00100	<0.00500 J	***<0.00500 J***	<0.00250 J	<0.00100	<0.00100	
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	--	--	--	--	--	--	--	--	--	--	--	--	

Table 5c. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Bromochloromethane mg/L	Bromodichloromethane mg/L	Bromoform mg/L	Bromomethane (Methyl bromide) mg/L	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	cis-1,3-Dichloropropene mg/L	Dibromochloromethane mg/L	Comments
ADEC Groundwater Cleanup Levels		**--**	**0.0013**	**0.033**	**0.0075**	**0.81**	**0.0046**	**0.078**	**--**	**0.0022**	**0.19**	**0.0047**	**0.0087**	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
MW-9	11/8/2013	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/28/2014	--	--	--	--	--	--	--	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/9/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	9/11/2019	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	4/22/2020	<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]	<0.00500 [<0.00500]	***<0.00500 [<0.00500]***	<0.00250 [<0.00250]	<0.00100 J [<0.00100 J]	<0.00100 [<0.00100]	
MW-9	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
MW-9	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
MW-9	8/26/2021	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
MW-8RR	10/9/2020													
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	--	--	--	--	--	--	--	--	--	--	--	--	

Table 5c. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Bromochloromethane mg/L	Bromodichloromethane mg/L	Bromoform mg/L	Bromomethane (Methyl bromide) mg/L	Carbon Disulfide mg/L	Carbon Tetrachloride mg/L	Chlorobenzene mg/L	Chloroethane mg/L	Chloroform mg/L	Chloromethane (Methyl chloride) mg/L	cis-1,3-Dichloropropene mg/L	Dibromochloromethane mg/L	Comments
ADEC Groundwater Cleanup Levels		**--**	**0.0013**	**0.033**	**0.0075**	**0.81**	**0.0046**	**0.078**	**--**	**0.0022**	**0.19**	**0.0047**	**0.0087**	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	--	--	--	
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	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Trip Blank	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Trip Blank	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Trip Blank	8/26/2021	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Tudor Motel	9/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	
Tudor Motel	5/1/2008	--	--	--	--	--	--	--	--	--	--	--	--	
Tudor Motel	7/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	
Equipment Blank	4/22/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Equipment Blank	10/9/2020	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Equipment Blank	4/7/2021	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	
Equipment Blank	8/26/2021	<0.00100	<0.00100	<0.00100 J	<0.00500 J	<0.00100	<0.00100	<0.00100	<0.00500	***<0.00500***	<0.00250	<0.00100	<0.00100	

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

Table 5d. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Dichlorodifluoromethane (Freon 12) mg/L	Styrene mg/L	trans-1,3-Dichloropropene mg/L	Trichlorofluoromethane (Freon 11) mg/L	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.2**	**1.2**	**0.0047**	**5.2**	**0.00019**	
MW-1R	10/9/2020	<0.00500 J	<0.00100	<0.00100	<0.00500	***<0.00100***	
MW-1R	4/7/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
MW-1R	8/26/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<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	--	--	--	--	--	Sample collected via hydrasleeve
MW-2R	11/8/2013	--	--	--	--	--	
MW-2R	4/28/2014	--	--	--	--	--	
MW-2R	4/28/2014	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	
MW-2R	10/18/2018	--	--	--	--	--	
MW-2R	4/9/2019	--	--	--	--	--	
MW-2R	9/11/2019	--	--	--	--	--	
MW-2R	4/22/2020	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
MW-2R	10/9/2020	<0.00500 [<0.00500] J	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00100 [<0.00100]***	
MW-2R	4/7/2021	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00100 [<0.00100]***	
MW-2R	8/26/2021	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00100 [<0.00100]***	

Table 5d. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Dichlorodifluoromethane (Freon 12) mg/L	Styrene mg/L	trans-1,3-Dichloropropene mg/L	Trichlorofluoromethane (Freon 11) mg/L	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.2**	**1.2**	**0.0047**	**5.2**	**0.00019**	
MW-8RR	10/9/2020	<0.00500 J	<0.00100	<0.00100	<0.00500	***<0.00100***	
MW-8RR	4/7/2021						
MW-8RR	8/26/2021	<0.00500 J	<0.00100	<0.00100	<0.00500	***<0.00100 J***	
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	--	--	--	--	--	
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

Table 5d. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Dichlorodifluoromethane (Freon 12) mg/L	Styrene mg/L	trans-1,3-Dichloropropene mg/L	Trichlorofluoromethane (Freon 11) mg/L	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.2**	**1.2**	**0.0047**	**5.2**	**0.00019**	
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	--	--	--	--	--	
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	--	--	--	--	--	Sample collected via hydrasleeve
MW-9	11/8/2013	--	--	--	--	--	
MW-9	4/28/2014	--	--	--	--	--	
MW-9	4/28/2014	--	--	--	--	--	Sample collected via hydrasleeve
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	--	--	--	--	--	
MW-9	4/9/2019	--	--	--	--	--	
MW-9	9/11/2019	--	--	--	--	--	
MW-9	4/22/2020	<0.00500 [<0.00500]	<0.00100 [<0.00100]	<0.00100 [<0.00100]	<0.00500 [<0.00500]	***<0.00100 [<0.00100]***	
MW-9	10/9/2020	<0.00500 J	<0.00100	<0.00100	<0.00500	***<0.00100***	
MW-9	4/7/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
MW-9	8/26/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	

Table 5d. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

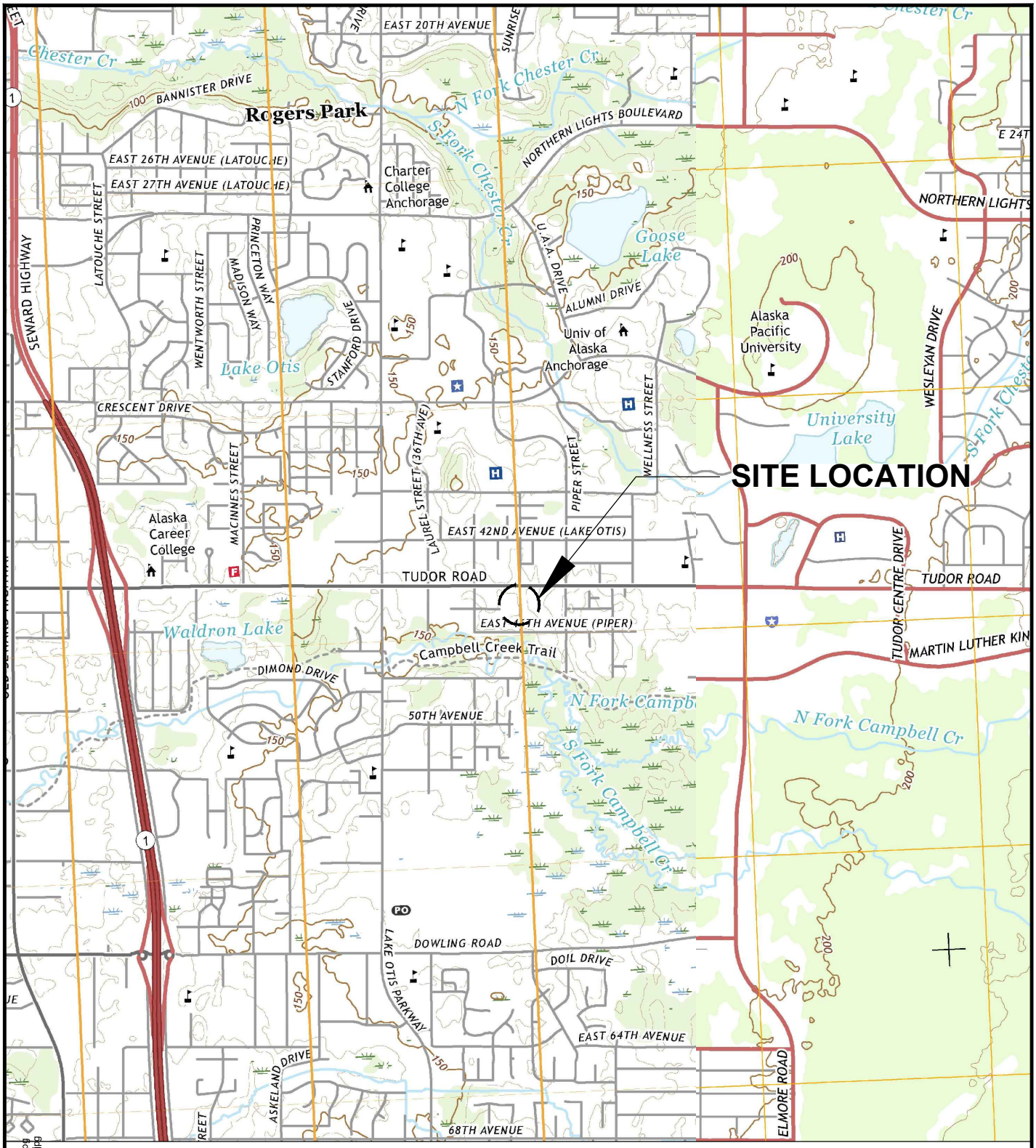
Well ID	Sample Date	Dichlorodifluoromethane (Freon 12) mg/L	Styrene mg/L	trans-1,3-Dichloropropene mg/L	Trichlorofluoromethane (Freon 11) mg/L	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.2**	**1.2**	**0.0047**	**5.2**	**0.00019**	
Trip Blank	1/30/1996	--	--	--	--	--	
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	--	--	--	--	--	
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	--	--	--	--	--	
Trip Blank	6/20/2012	--	--	--	--	--	
Trip Blank	11/5/2012	--	--	--	--	--	

Table 5d. Historical Groundwater Analytical Results - Additional VOCs
First Quarter 1992 to Current
Former Chevron-Branded Service Station 97324
4417 Lake Otis Parkway
Anchorage, Alaska

Well ID	Sample Date	Dichlorodifluoromethane (Freon 12) mg/L	Styrene mg/L	trans-1,3-Dichloropropene mg/L	Trichlorofluoromethane (Freon 11) mg/L	Vinyl chloride (Chloroethene) mg/L	Comments
ADEC Groundwater Cleanup Levels		**0.2**	**1.2**	**0.0047**	**5.2**	**0.00019**	
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	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
Trip Blank	10/9/2020	<0.00500 J	<0.00100	<0.00100	<0.00500	***<0.00100***	
Trip Blank	4/7/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
Trip Blank	8/26/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
Tudor Motel	9/21/2007	--	--	--	--	--	
Tudor Motel	5/1/2008	--	--	--	--	--	
Tudor Motel	7/15/2008	--	--	--	--	--	
Equipment Blank	4/22/2020	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	
Equipment Blank	10/9/2020	<0.00500 J	<0.00100	<0.00100	<0.00500	***<0.00100***	
Equipment Blank	4/7/2021	<0.00500	<0.00100		<0.00500	***<0.00100***	
Equipment Blank	8/26/2021	<0.00500	<0.00100	<0.00100	<0.00500	***<0.00100***	

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

FIGURES



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

N

0 2000' 4000'

APPROXIMATE GRAPHIC SCALE

AREA LOCATION

ALASKA

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

SITE LOCATION MAP

ARCADIS

FIGURE 1

XREFS: IMAGES: PROJECTNAME: ---
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AK_Anchorage_A-8_NW_20190703_TM_geo.jpg

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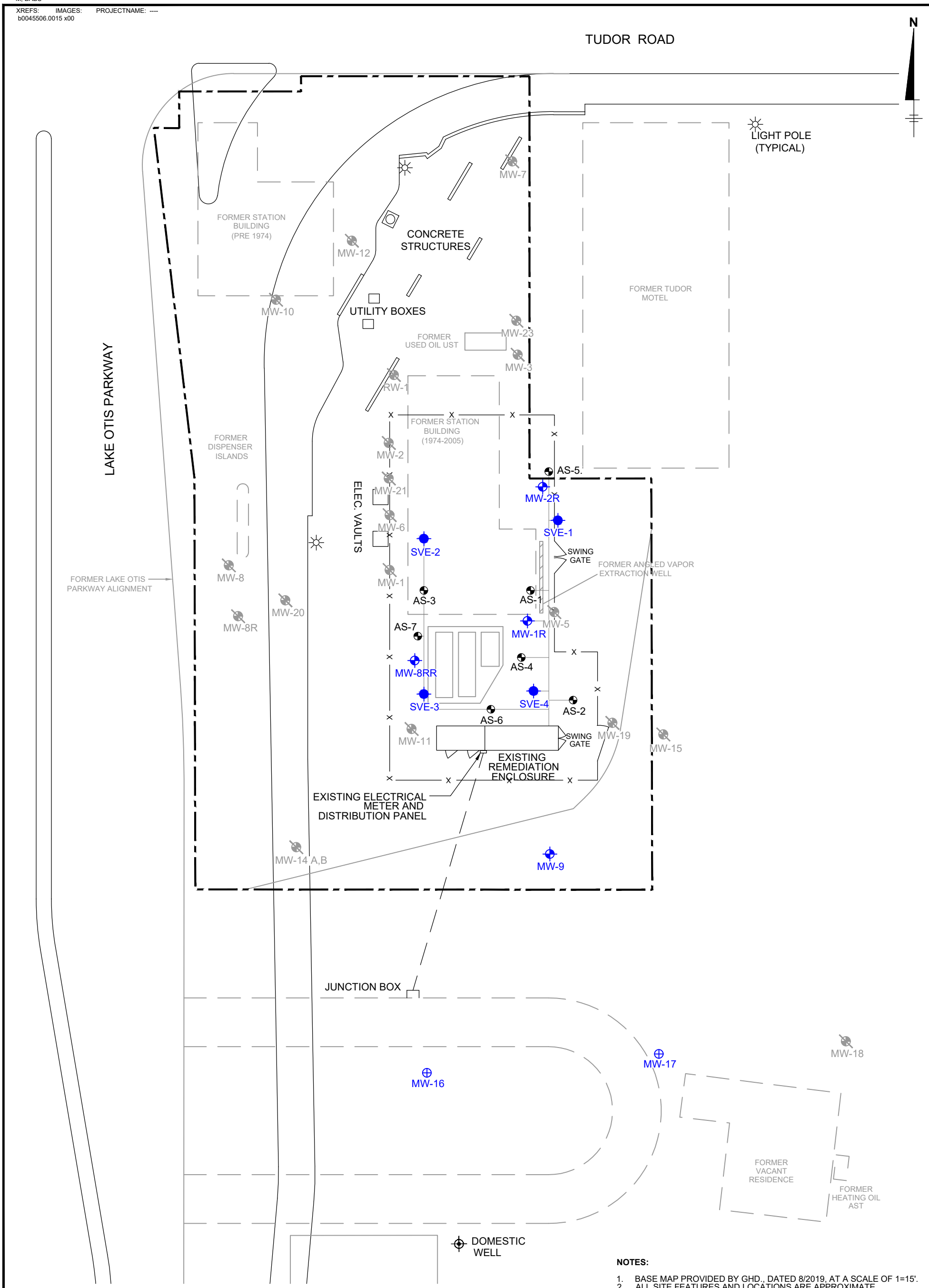

LEGEND:

- 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

C:\Users\ymb2640\ACCDocs\Arcadis\AUS-CHEVRON-97324-ANCHORAGE Alaska\Project Files\2021\01-In Progress\01-DWG\GWM-2SA21-F03-GWE CONTOUR.dwg LAYOUT: 3 SAVED: 9/22/2021 12:06 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 9/22/2021 12:11 PM BY: Y M, BABU

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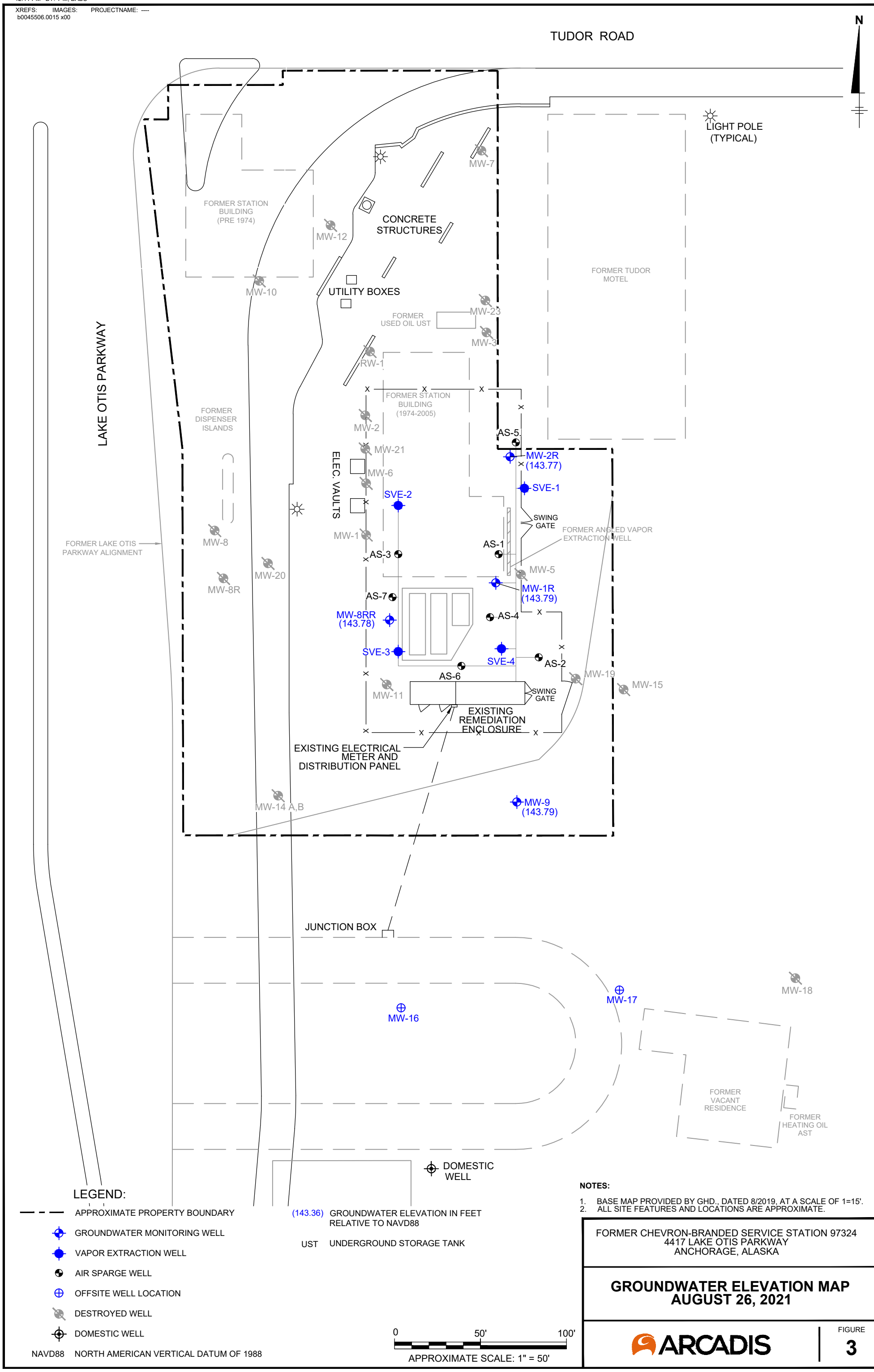


LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- OFFSITE WELL LOCATION
- DESTROYED WELL
- DOMESTIC WELL
- NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988
- (143.36) GROUNDWATER ELEVATION IN FEET RELATIVE TO NAVD88
- UST UNDERGROUND STORAGE TANK

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

NOTES:

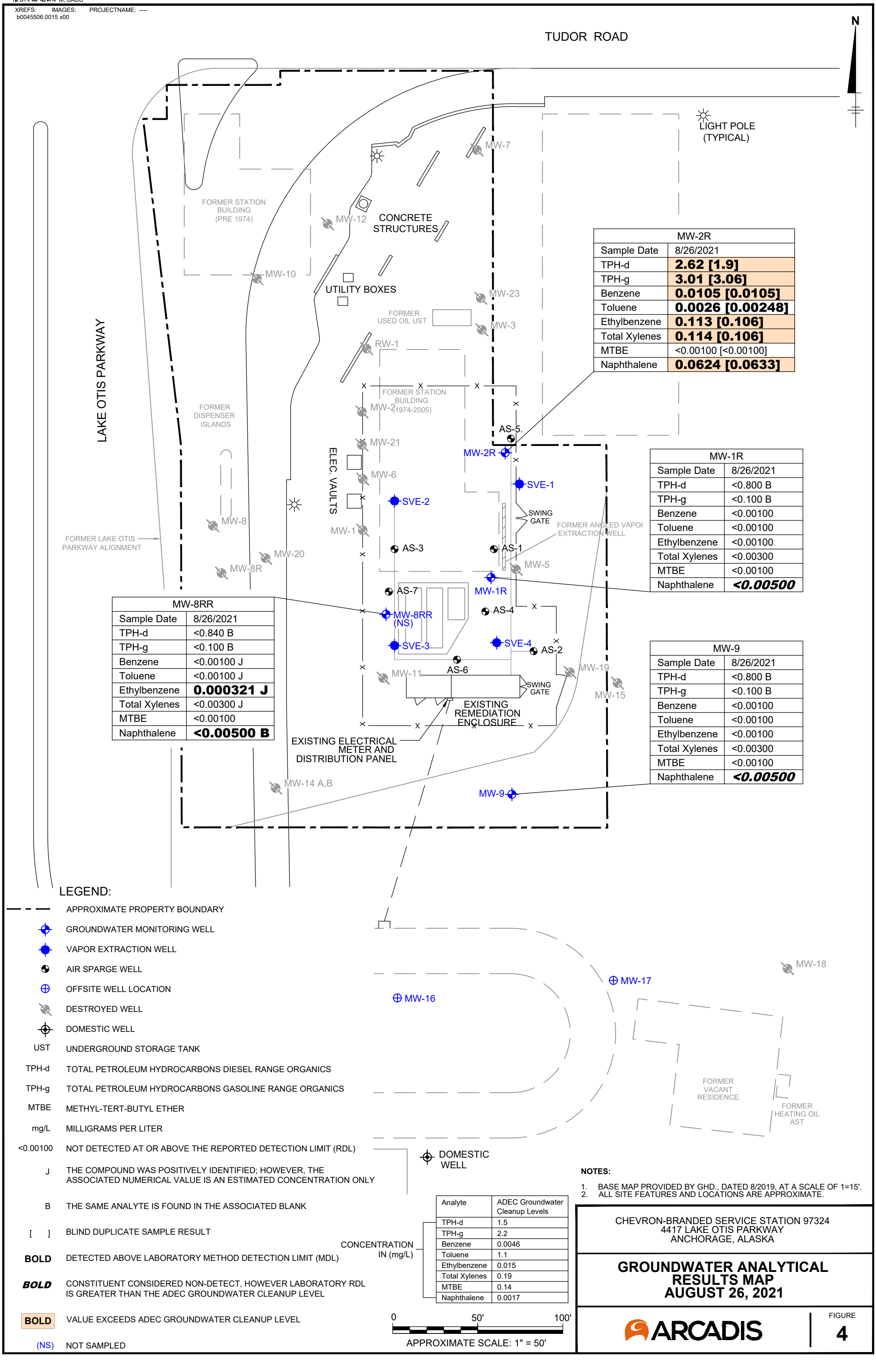
1. BASE MAP PROVIDED BY GHD., DATED 8/2019, AT A SCALE OF 1=15'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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

GROUNDWATER ELEVATION MAP AUGUST 26, 2021

ARCADIS

FIGURE 3



MW-2R	
Sample Date	8/26/2021
TPH-d	**2.62 [1.9]**
TPH-g	**3.01 [3.06]**
Benzene	**0.0105 [0.0105]**
Toluene	**0.0026 [0.00248]**
Ethylbenzene	**0.113 [0.106]**
Total Xylenes	**0.114 [0.106]**
MTBE	<0.00100 [<0.00100]
Naphthalene	**0.0624 [0.0633]**

MW-1R	
Sample Date	8/26/2021
TPH-d	<0.800 B
TPH-g	<0.100 B
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
MTBE	<0.00100
Naphthalene	***<0.00500***

MW-8RR	
Sample Date	8/26/2021
TPH-d	<0.840 B
TPH-g	<0.100 B
Benzene	<0.00100 J
Toluene	<0.00100 J
Ethylbenzene	**0.000321 J**
Total Xylenes	<0.00300 J
MTBE	<0.00100
Naphthalene	**<0.00500 B**

MW-9	
Sample Date	8/26/2021
TPH-d	<0.800 B
TPH-g	<0.100 B
Benzene	<0.00100
Toluene	<0.00100
Ethylbenzene	<0.00100
Total Xylenes	<0.00300
MTBE	<0.00100
Naphthalene	***<0.00500***

LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- VAPOR EXTRACTION WELL
- AIR SPARGE WELL
- OFFSITE WELL LOCATION
- DESTROYED WELL
- DOMESTIC WELL
- UST — UNDERGROUND STORAGE TANK
- TPH-d — TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS
- TPH-g — TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS
- MTBE — METHYL-TERT-BUTYL ETHER
- mg/L — MILLIGRAMS PER LITER
- <0.00100 — NOT DETECTED AT OR ABOVE THE REPORTED DETECTION LIMIT (RDL)
- J — THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
- B — THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
- [ ] — BLIND DUPLICATE SAMPLE RESULT
- **BOLD** — DETECTED ABOVE LABORATORY METHOD DETECTION LIMIT (MDL)
- ***BOLD*** — CONSTITUENT CONSIDERED NON-DETECT, HOWEVER LABORATORY RDL IS GREATER THAN THE ADEC GROUNDWATER CLEANUP LEVEL
- **BOLD** — VALUE EXCEEDS ADEC GROUNDWATER CLEANUP LEVEL
- (NS) — NOT SAMPLED

CONCENTRATION IN (mg/L)

Analyte	ADEC Groundwater Cleanup Levels
TPH-d	1.5
TPH-g	2.2
Benzene	0.0046
Toluene	1.1
Ethylbenzene	0.015
Total Xylenes	0.19
MTBE	0.14
Naphthalene	0.0017

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.

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

GROUNDWATER ANALYTICAL RESULTS MAP AUGUST 26, 2021

ARCADIS

FIGURE 4

APPENDIX A

ARCADIS Design & Consultancy for natural and built assets

Chevron Environmental Management Company

Appendix A:

Site History and Background

Former Chevron Facility 97324
4417 Lake Otis Parkway
Anchorage, Alaska
ADEC File No: 2100.26.008
HAZARD ID No: 23885

June 19, 2020

Appendix A: 97324 Site Description and Background

1 97324 SITE BACKGROUND AND HISTORY

1.1 Site Description and Vicinity

Former Chevron Facility 97324 is located at 4417 Lake Otis Parkway in Anchorage, Alaska. The site was formerly operated as a Chevron-branded service station with three underground storage tanks (UST), two dispenser islands, and a station building with an auto service bay. The surrounding properties are mixed commercial and industrial; the site is bordered to the north, west, and south by former or current ADEC contaminated sites.

1.2 Site History

In 2004, the facility building, three petroleum underground storage tanks (USTs) equipped with dispenser pumps, and product lines were removed from the property. A remediation system consisting of seven air sparge (AS) wells and four soil vapor extraction (SVE) wells was operated seasonally until 2017, when it was shut down.

2 SITE CHARACTERIZATIONS

A soil and groundwater remediation system which included seven air sparge (AS) wells and four soil vapor extraction (SVE) wells was shut down in 2017. Currently, six groundwater monitoring wells remain in place, four of which are sampled and monitored semiannually.

3 CURRENT SITE MONITORING ACTIVITIES

The site currently has a network of six monitoring wells; four wells are monitored and sampled semiannually (MW-1R, MW-2R, MW-8RR, and MW-9). Historically, concentrations of volatile organic compounds (VOCs), gasoline range organics (GRO), and diesel range organics (DRO) have exceeded their respective ADEC Method 2 groundwater cleanup levels in several monitoring wells.

4 GEOLOGY AND HYDROGEOLOGY

4.1 Site Hydrogeology

The site is in south central Alaska, south of the Knik Arm and north of the Turnagain Arm of Cook Inlet. From 1992 until present, static groundwater depths at the site have ranged between 8.58 to 24.53 feet below top of casing (ft btoc). Historic ground water flow is to the northwest.

5 REFERENCES

GHD Inc. 2018. Second Semiannual 2018 Groundwater Monitoring Report Former Chevron-Branded Service Station 97324, 4417 Lake Otis Parkway , Anchorage, AK. December 5

APPENDIX B

ARCADIS Design & Consultancy for natural and built assets

Daily Log

Project Name : 97324
Project Number : 30063667
Purpose : Gw sampling
PPE : Level D
Equipment: Water Quality Meter (i.e. YSI)

Weather(°F) : Clear
Prepared By: Evan Wujcik

Date	Time	Description of Activities
8/26/2021	09:00	Arrive on site Open permit to work Locate Wells
8/26/2021	10:00	Sample MW-2R Decon equipment Blind duplicate Samples collected at this location See chain of custody for analytes
8/26/2021	11:00	Sample MW-8RR Decon equipment MS/MSD Samples collected at this location See chain of custody for analytes
8/26/2021	12:00	Sample MW-1R Decon equipment See chain of custody for analytes
8/26/2021	13:00	Sample MW-1R Decon equipment See chain of custody for analytes
8/26/2021	14:00	Load vehicle Close permit to work Mobilize offsite

Waste Management:

Drums On Site										
Date	Are there any waste drums on site?	Number of Drums upon Arrival	Size of Drums	Type of Drums	Condition of Drums	Waste Drummed Today?	Number of drums Created	Size of drums	Condition of Drums	General Waste Comments
8/26/2021	no					no				

ARCADIS Design & Consultancy for natural and built assets

Daily Log

Groundwater Gauging Log

Project Number	30063667
Client:	Chevron
Site ID:	97324
Site Location:	Anchorage, Alaska
Measuring Point:	Top of Casing
Date(s):	08/26/2021
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	08/26/2021	10:19	23.77	ND	31.00	0	--	--
MW-2R	08/26/2021	09:00	24.48	ND	31.20	0	--	--
MW-8RR	08/26/2021	09:39	22.65	ND	32.50	0	--	--
MW-9	08/26/2021	10:47	15.45	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**	4/7/2021		
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)	24.21	**Total Depth (ft-bmp)**	31	**Water Column (ft)**	6.79	**Gallons in Well**	1.1
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	15:00	**Well Volumes Purged**	0.58	**Sample ID**	MW-1R-W-20210407	**Evacuation Equipment**	Bladder
Purge Start	14:30	**Gallons Purged**	0.63	**Duplicate ID**	--		
Purge End	14:50	**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
14:33	200	24.21	7.68	0.582	145	2.87	4.75	120	--	--
14:36	200	24.21	7.54	0.575	145	2.24	4.73	123	--	--
14:39	200	24.21	7.49	0.571	145	1.94	4.76	125	--	--
14:42	200	24.21	7.45	0.564	139	1.67	4.77	126	--	--

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-20210407 Sample Time: 15:00 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-1R	**Date**	8/26/2021		
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)	23.77	**Total Depth (ft-bmp)**	31	**Water Column (ft)**	7.23	**Gallons in Well**	1.17
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	12:00	**Well Volumes Purged**	0.54	**Sample ID**	MW-1R-W-20210826	**Evacuation Equipment**	Bladder
Purge Start	11:30	**Gallons Purged**	0.63	**Duplicate ID**	--		
Purge End	11:50	**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
11:33	200	23.80	6.90	0.462	56.4	2.10	8.26	96	--	--
11:36	200	23.80	6.84	0.445	46.1	1.89	8.08	97	--	--
11:39	200	23.80	6.80	0.439	38.1	1.90	7.87	97	--	--
11:42	200	23.80	6.77	0.436	30.5	1.85	7.77	99	--	--

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-20210826 Sample Time: 12:00 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-2R	**Date**	8/26/2021		
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)	24.48	**Total Depth (ft-bmp)**	31.2	**Water Column (ft)**	6.72	**Gallons in Well**	1.09
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	10:00	**Well Volumes Purged**	0.58	**Sample ID**	MW-2R-W-20210826	**Evacuation Equipment**	Bladder
Purge Start	09:30	**Gallons Purged**	0.63	**Duplicate ID**	BD-1-W-20210826		
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	24.50	6.97	0.845	23.1	12.74	9.26	-10	--	--
09:36	200	24.50	6.95	0.836	36.8	12.30	9.10	-18	--	--
09:39	200	24.50	6.95	0.833	44.3	11.85	8.90	-22	--	--
09:42	200	24.50	6.94	0.826	48.6	11.49	8.90	-25	--	--

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-20210826 Sample Time: 10:00 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**	4/7/2021		
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)	24.94	**Total Depth (ft-bmp)**	31.3	**Water Column (ft)**	6.36	**Gallons in Well**	1.03
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	14:00	**Well Volumes Purged**	0.77	**Sample ID**	MW-2R-W-20210407	**Evacuation Equipment**	Bladder
Purge Start	13:30	**Gallons Purged**	0.79	**Duplicate ID**	BD-1-W-20210407		
Purge End	13:50	**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
13:33	200	24.94	7.25	1.04	53.1	2.32	4.31	180	--	--
13:36	200	24.94	7.28	1.04	47.9	2.14	4.36	173	--	--
13:39	200	24.94	7.30	1.04	41.3	1.96	4.36	166	--	--
13:42	200	24.94	7.31	1.04	39.9	1.84	4.36	160	--	--
13:45	200	24.94	7.33	1.03	36.5	1.77	4.33	157	--	--

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-20210407 Sample Time: 14:00 Sample Depth (ft-bmp): 25.5

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**	8/26/2021		
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)	22.65	**Total Depth (ft-bmp)**	32.5	**Water Column (ft)**	9.85	**Gallons in Well**	1.6
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	11:00	**Well Volumes Purged**	0.40	**Sample ID**	MW-8RR-W-20210826	**Evacuation Equipment**	Bladder
Purge Start	10:30	**Gallons Purged**	0.63	**Duplicate ID**	MS/MSD		
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	22.66	7.14	0.719	87.2	10.83	9.51	117	--	--
10:36	200	22.66	7.13	0.710	83.2	10.52	10.04	124	--	--
10:39	200	22.66	7.12	0.724	84.7	10.92	9.23	128	--	--
10:42	200	22.66	7.11	0.729	82.8	10.80	8.90	130	--	--

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-20210826 Sample Time: 11:00 Sample Depth (ft-bmp): 23

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**	8/26/2021		
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)	15.45	**Total Depth (ft-bmp)**	19.3	**Water Column (ft)**	3.85	**Gallons in Well**	0.63
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	13:00	**Well Volumes Purged**	1.26	**Sample ID**	MW-9-W-20210826	**Evacuation Equipment**	Bladder
Purge Start	12:30	**Gallons Purged**	0.79	**Duplicate ID**	--		
Purge End	12:50	**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
12:33	200	15.45	6.80	0.322	49.5	12.83	8.22	149	--	--
12:36	200	15.45	6.68	0.321	59.9	12.65	7.88	160	--	--
12:39	200	15.45	6.56	0.322	55.5	12.07	7.61	163	--	--
12:42	200	15.45	6.53	0.324	52.1	11.91	7.31	168	--	--
12:45	200	15.45	6.51	0.325	45.8	11.67	7.23	171	--	--

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-20210826 Sample Time: 13:00 Sample Depth (ft-bmp): 16

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**	4/7/2021		
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)	15.88	**Total Depth (ft-bmp)**	19.3	**Water Column (ft)**	3.42	**Gallons in Well**	0.56
Water Quality Meter Make/Model	Horiba U-52	**Purge Method**	Low-Flow	**Sample Method**			Grab
Sample Time	12:00	**Well Volumes Purged**	1.13	**Sample ID**	MW-9-W-20210407	**Evacuation Equipment**	Bladder
Purge Start	11:30	**Gallons Purged**	0.63	**Duplicate ID**	MS/MSD		
Purge End	11:50	**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
11:33	200	15.88	6.97	0.345	68.9	3.67	4.45	234	--	--
11:36	200	15.88	6.93	0.346	71.0	3.60	4.50	235	--	--
11:39	200	15.88	6.90	0.345	62.0	3.52	4.46	240	--	--
11:42	200	15.88	6.85	0.346	59.3	3.48	4.40	245	--	--

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-20210407 Sample Time: 12:00 Sample Depth (ft-bmp): 16.5

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

APPENDIX C

ANALYTICAL REPORT

September 13, 2021

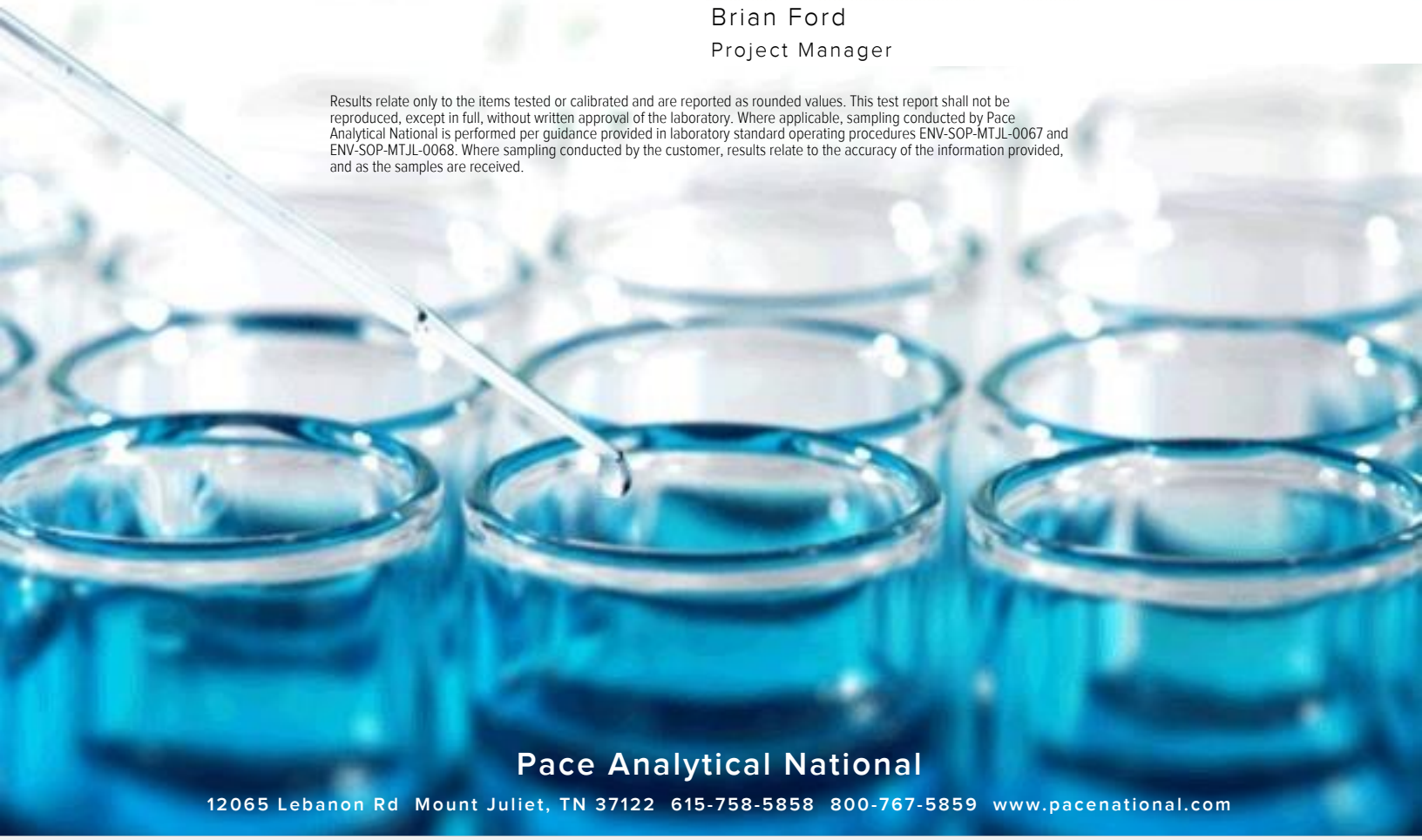
Arcadis - Chevron - AK

Sample Delivery Group:	L1396394
Samples Received:	08/28/2021
Project Number:	30063667.19.21
Description:	97324
Site:	4417 LAKE OTIS PKWY, ANCHORAGE
Report To:	Sydney Clark 880 H St. Anchorage, AK 99501

Entire Report Reviewed By:

Brian Ford

Project Manager



Pace Analytical National

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

TABLE OF CONTENTS

MW-2R-W-20210826 L1396394-01 GW

Collected by: E. Wujcik | Collected date/time: 08/26/21 10:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 16:25	09/02/21 16:25	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	25	08/30/21 23:28	08/30/21 23:28	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 04:30	09/02/21 04:30	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1733645	1	09/02/21 09:02	09/02/21 22:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1731465	1.03	08/30/21 21:57	08/31/21 11:29	LEA	Mt. Juliet, TN

MW-8RR-W-20210826 L1396394-02 GW

Collected by: E. Wujcik | Collected date/time: 08/26/21 11:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 16:47	09/02/21 16:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	1	08/30/21 22:41	08/30/21 22:41	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 04:51	09/02/21 04:51	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1733645	1.05	09/02/21 09:02	09/02/21 22:38	JAS	Mt. Juliet, TN

MW-1R-W-20210826 L1396394-03 GW

Collected by: E. Wujcik | Collected date/time: 08/26/21 12:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 17:08	09/02/21 17:08	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	1	08/30/21 23:05	08/30/21 23:05	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 05:11	09/02/21 05:11	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1733645	1	09/02/21 09:02	09/02/21 23:38	JAS	Mt. Juliet, TN

MW-9-W-20210826 L1396394-04 GW

Collected by: E. Wujcik | Collected date/time: 08/26/21 13:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 17:30	09/02/21 17:30	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	25	08/30/21 23:52	08/30/21 23:52	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 05:31	09/02/21 05:31	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1733645	1	09/02/21 09:02	09/02/21 23:58	JAS	Mt. Juliet, TN

BD-1-W-20210826 L1396394-05 GW

Collected by: E. Wujcik | Collected date/time: 08/26/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 17:52	09/02/21 17:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	25	08/31/21 00:15	08/31/21 00:15	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 05:51	09/02/21 05:51	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1733645	1	09/02/21 09:02	09/03/21 00:18	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1731465	1.02	08/30/21 21:57	08/31/21 11:47	LEA	Mt. Juliet, TN

EQB-1-W-20210826 L1396394-06 GW

Collected by: E. Wujcik | Collected date/time: 08/26/21 14:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 14:57	09/02/21 14:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	1	08/30/21 20:43	08/30/21 20:43	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 00:28	09/02/21 00:28	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1735778	1	09/08/21 07:43	09/10/21 01:11	JAS	Mt. Juliet, TN

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

EQB-1-W-20210826 L1396394-06 GW

Collected by: E. Wujcik
Collected date/time: 08/26/21 14:00
Received date/time: 08/28/21 09:15

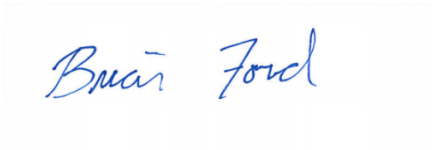
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1731465	1	08/30/21 21:57	08/31/21 12:04	LEA	Mt. Juliet, TN

TRIP BLANK-20210826 L1396394-07 GW

Collected by: E. Wujcik
Collected date/time: 08/26/21 00:00
Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method AK101	WG1733662	1	09/02/21 14:13	09/02/21 14:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732035	1	08/30/21 19:55	08/30/21 19:55	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1732971	1	09/02/21 00:08	09/02/21 00:08	ACG	Mt. Juliet, TN

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



Brian Ford
Project Manager

Volatile Organic Compounds (GC) by Method AK101

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1733662	TPHGAK C6 to C10	L1396394-02, 03, 04, 07

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

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

Batch	Lab Sample ID	Analytes
WG1732971	L1396394-01	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene
WG1732971	L1396394-02	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene
WG1732971	L1396394-03	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene
WG1732971	L1396394-04	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene
WG1732971	L1396394-05	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene
WG1732971	L1396394-06	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene
WG1732971	L1396394-07	1,1,1,2-Tetrachloroethane, Bromoform, Bromomethane, Isopropylbenzene, n-Propylbenzene and Tetrachloroethene

The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.

Batch	Lab Sample ID	Analytes
WG1732971	L1396394-01	1,2-Dichloroethane
WG1732971	L1396394-03	1,2-Dichloroethane
WG1732971	L1396394-05	1,2-Dichloroethane

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

Batch	Lab Sample ID	Analytes
WG1732971	(LCS) R3699701-1, L1396394-01, 02, 03, 04, 05, 06, 07	Acrolein

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

Batch	Lab Sample ID	Analytes
WG1732971	(LCS) R3699701-1, L1396394-01, 02, 03, 04, 05, 06, 07	Isopropylbenzene and n-Propylbenzene

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

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

Batch	Lab Sample ID	Analytes
WG1732971	(MS) R3699701-3, (MSD) R3699701-4, L1396394-02	Acrolein, Chloroethane, Dichlorodifluoromethane and Trichlorofluoromethane

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

Batch	Lab Sample ID	Analytes
WG1732971	(MSD) R3699701-4, L1396394-02	28 analytes

Semi-Volatile Organic Compounds (GC) by Method AK102

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1733645	AK102 DRO C10-C25	L1396394-01, 02, 03, 04, 05
WG1735778	AK102 DRO C10-C25	L1396394-06

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1731465	Benzo(a)anthracene	L1396394-01
WG1731465	Fluoranthene	L1396394-01
WG1731465	Pyrene	L1396394-01

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

Batch	Lab Sample ID	Analytes
WG1731465	(MSD) R3698632-4	Dibenz(a,h)anthracene

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

Batch	Lab Sample ID	Analytes
WG1731465	(MSD) R3698632-4	12 analytes

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	3010		28.7	100	1	09/02/2021 16:25	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*50.0-150*		*09/02/2021 16:25*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.0500	0.125	25	08/30/2021 23:28	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 04:30	WG1732971
1,2-Dibromoethane	U		0.103	0.125	25	08/30/2021 23:28	WG1732035
Acrolein	U	J4	2.54	50.0	1	09/02/2021 04:30	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 04:30	WG1732971
Benzene	10.5		0.0941	1.00	1	09/02/2021 04:30	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 04:30	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 04:30	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 04:30	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 04:30	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 04:30	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 04:30	WG1732971
sec-Butylbenzene	14.7		0.125	1.00	1	09/02/2021 04:30	WG1732971
tert-Butylbenzene	15.3		0.127	1.00	1	09/02/2021 04:30	WG1732971
Carbon disulfide	U		0.0962	1.00	1	09/02/2021 04:30	WG1732971
Carbon tetrachloride	U		0.128	1.00	1	09/02/2021 04:30	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 04:30	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 04:30	WG1732971
Chloroethane	U		0.192	5.00	1	09/02/2021 04:30	WG1732971
Chloroform	U		0.111	5.00	1	09/02/2021 04:30	WG1732971
Chloromethane	U		0.960	2.50	1	09/02/2021 04:30	WG1732971
2-Chlorotoluene	U		0.106	1.00	1	09/02/2021 04:30	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 04:30	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 04:30	WG1732971
Dibromomethane	U		0.122	1.00	1	09/02/2021 04:30	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 04:30	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 04:30	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 04:30	WG1732971
Dichlorodifluoromethane	U		0.374	5.00	1	09/02/2021 04:30	WG1732971
1,1-Dichloroethane	U		0.100	1.00	1	09/02/2021 04:30	WG1732971
1,2-Dichloroethane	10.5	C5	0.0819	1.00	1	09/02/2021 04:30	WG1732971
1,1-Dichloroethene	U		0.188	1.00	1	09/02/2021 04:30	WG1732971
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/02/2021 04:30	WG1732971
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/02/2021 04:30	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 04:30	WG1732971
1,1-Dichloropropene	U		0.142	1.00	1	09/02/2021 04:30	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 04:30	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 04:30	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 04:30	WG1732971
2,2-Dichloropropane	U		0.161	1.00	1	09/02/2021 04:30	WG1732971
Di-isopropyl ether	U		0.105	1.00	1	09/02/2021 04:30	WG1732971
Ethylbenzene	113		0.137	1.00	1	09/02/2021 04:30	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 04:30	WG1732971
Isopropylbenzene	43.3	C3 J4	0.105	1.00	1	09/02/2021 04:30	WG1732971
p-Isopropyltoluene	31.5		0.120	1.00	1	09/02/2021 04:30	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 04:30	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 04:30	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 04:30	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 04:30	WG1732971

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 ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	62.4		1.00	5.00	1	09/02/2021 04:30	WG1732971
n-Propylbenzene	100	C3 J4	0.0993	1.00	1	09/02/2021 04:30	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 04:30	WG1732971
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	09/02/2021 04:30	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 04:30	WG1732971
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/02/2021 04:30	WG1732971
Tetrachloroethene	U	C3	0.300	1.00	1	09/02/2021 04:30	WG1732971
Toluene	2.60		0.278	1.00	1	09/02/2021 04:30	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 04:30	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 04:30	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 04:30	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 04:30	WG1732971
Trichloroethene	U		0.190	1.00	1	09/02/2021 04:30	WG1732971
Trichlorofluoromethane	U		0.160	5.00	1	09/02/2021 04:30	WG1732971
1,2,4-Trimethylbenzene	92.0		0.322	1.00	1	09/02/2021 04:30	WG1732971
1,2,3-Trimethylbenzene	4.53		0.104	1.00	1	09/02/2021 04:30	WG1732971
1,3,5-Trimethylbenzene	58.1		0.104	1.00	1	09/02/2021 04:30	WG1732971
Vinyl chloride	U		0.234	1.00	1	09/02/2021 04:30	WG1732971
Xylenes, Total	114		0.174	3.00	1	09/02/2021 04:30	WG1732971
o-Xylene	4.43		0.174	1.00	1	09/02/2021 04:30	WG1732971
m&p-Xylene	110		0.430	2.00	1	09/02/2021 04:30	WG1732971
(S) Toluene-d8	*89.4*			*80.0-120*		*09/02/2021 04:30*	WG1732971
(S) 4-Bromofluorobenzene	*83.6*			*77.0-126*		*09/02/2021 04:30*	WG1732971
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*09/02/2021 04:30*	WG1732971

Sample Narrative:

L1396394-01 WG1732035: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	2620	B	229	800	1	09/02/2021 22:18	WG1733645
(S) o-Terphenyl	*109*			*50.0-150*		*09/02/2021 22:18*	WG1733645

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0196	0.0515	1.03	08/31/2021 11:29	WG1731465
Acenaphthene	0.0726		0.0196	0.0515	1.03	08/31/2021 11:29	WG1731465
Acenaphthylene	U		0.0175	0.0515	1.03	08/31/2021 11:29	WG1731465
Benzo(a)anthracene	0.0361	B J	0.0206	0.0515	1.03	08/31/2021 11:29	WG1731465
Benzo(a)pyrene	0.0381	J	0.0185	0.0515	1.03	08/31/2021 11:29	WG1731465
Benzo(b)fluoranthene	0.0402	J	0.0175	0.0515	1.03	08/31/2021 11:29	WG1731465
Benzo(g,h,i)perylene	0.0425	J	0.0185	0.0515	1.03	08/31/2021 11:29	WG1731465
Benzo(k)fluoranthene	0.0347	J	0.0206	0.258	1.03	08/31/2021 11:29	WG1731465
Chrysene	0.0315	J	0.0185	0.0515	1.03	08/31/2021 11:29	WG1731465
Dibenz(a,h)anthracene	0.0384	J	0.0185	0.0515	1.03	08/31/2021 11:29	WG1731465
Fluoranthene	0.0249	B J	0.0113	0.0515	1.03	08/31/2021 11:29	WG1731465
Fluorene	0.0228	J	0.0175	0.0515	1.03	08/31/2021 11:29	WG1731465
Indeno(1,2,3-cd)pyrene	0.0380	J	0.0185	0.0515	1.03	08/31/2021 11:29	WG1731465
Naphthalene	36.0		0.132	0.515	1.03	08/31/2021 11:29	WG1731465
Phenanthrene	0.0243	J	0.0185	0.0515	1.03	08/31/2021 11:29	WG1731465
Pyrene	0.0294	B J	0.0175	0.0515	1.03	08/31/2021 11:29	WG1731465
1-Methylnaphthalene	11.7		0.0206	0.515	1.03	08/31/2021 11:29	WG1731465
2-Methylnaphthalene	7.40		0.0288	0.515	1.03	08/31/2021 11:29	WG1731465

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	
2-Chloronaphthalene	0.0285	J	0.0124	0.515	1.03	08/31/2021 11:29	WG1731465
(S) Nitrobenzene-d5	*78.6*			*11.0-135*		*08/31/2021 11:29*	WG1731465
(S) 2-Fluorobiphenyl	*74.8*			*32.0-120*		*08/31/2021 11:29*	WG1731465
(S) p-Terphenyl-d14	*81.1*			*23.0-122*		*08/31/2021 11:29*	WG1731465

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	47.3	B J	28.7	100	1	09/02/2021 16:47	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*50.0-150*		*09/02/2021 16:47*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.00200	0.00500	1	08/30/2021 22:41	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 04:51	WG1732971
1,2-Dibromoethane	0.00600		0.00410	0.00500	1	08/30/2021 22:41	WG1732035
Acrolein	U	J4 J5	2.54	50.0	1	09/02/2021 04:51	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 04:51	WG1732971
Benzene	U	J3	0.0941	1.00	1	09/02/2021 04:51	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 04:51	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 04:51	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 04:51	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 04:51	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 04:51	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 04:51	WG1732971
sec-Butylbenzene	0.450	J	0.125	1.00	1	09/02/2021 04:51	WG1732971
tert-Butylbenzene	0.258	J	0.127	1.00	1	09/02/2021 04:51	WG1732971
Carbon disulfide	U	J3	0.0962	1.00	1	09/02/2021 04:51	WG1732971
Carbon tetrachloride	U	J3	0.128	1.00	1	09/02/2021 04:51	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 04:51	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 04:51	WG1732971
Chloroethane	U	J3 J5	0.192	5.00	1	09/02/2021 04:51	WG1732971
Chloroform	U	J3	0.111	5.00	1	09/02/2021 04:51	WG1732971
Chloromethane	U	J3	0.960	2.50	1	09/02/2021 04:51	WG1732971
2-Chlorotoluene	U	J3	0.106	1.00	1	09/02/2021 04:51	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 04:51	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 04:51	WG1732971
Dibromomethane	U	J3	0.122	1.00	1	09/02/2021 04:51	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 04:51	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 04:51	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 04:51	WG1732971
Dichlorodifluoromethane	U	J3 J5	0.374	5.00	1	09/02/2021 04:51	WG1732971
1,1-Dichloroethane	U	J3	0.100	1.00	1	09/02/2021 04:51	WG1732971
1,2-Dichloroethane	U		0.0819	1.00	1	09/02/2021 04:51	WG1732971
1,1-Dichloroethene	U	J3	0.188	1.00	1	09/02/2021 04:51	WG1732971
cis-1,2-Dichloroethene	U	J3	0.126	1.00	1	09/02/2021 04:51	WG1732971
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/02/2021 04:51	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 04:51	WG1732971
1,1-Dichloropropene	U	J3	0.142	1.00	1	09/02/2021 04:51	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 04:51	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 04:51	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 04:51	WG1732971
2,2-Dichloropropane	U	J3	0.161	1.00	1	09/02/2021 04:51	WG1732971
Di-isopropyl ether	U	J3	0.105	1.00	1	09/02/2021 04:51	WG1732971
Ethylbenzene	0.321	J J3	0.137	1.00	1	09/02/2021 04:51	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 04:51	WG1732971
Isopropylbenzene	0.295	C3 J J3 J4	0.105	1.00	1	09/02/2021 04:51	WG1732971
p-Isopropyltoluene	0.796	J	0.120	1.00	1	09/02/2021 04:51	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 04:51	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 04:51	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 04:51	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 04:51	WG1732971

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	4.29	J	1.00	5.00	1	09/02/2021 04:51	WG1732971
n-Propylbenzene	1.08	C3 J4	0.0993	1.00	1	09/02/2021 04:51	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 04:51	WG1732971
1,1,1,2-Tetrachloroethane	U	C3 J3	0.147	1.00	1	09/02/2021 04:51	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 04:51	WG1732971
1,1,2-Trichlorotrifluoroethane	U	J3	0.180	1.00	1	09/02/2021 04:51	WG1732971
Tetrachloroethene	1.59	C3	0.300	1.00	1	09/02/2021 04:51	WG1732971
Toluene	U	J3	0.278	1.00	1	09/02/2021 04:51	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 04:51	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 04:51	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 04:51	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 04:51	WG1732971
Trichloroethene	U	J3	0.190	1.00	1	09/02/2021 04:51	WG1732971
Trichlorofluoromethane	U	J5	0.160	5.00	1	09/02/2021 04:51	WG1732971
1,2,4-Trimethylbenzene	0.995	J J3	0.322	1.00	1	09/02/2021 04:51	WG1732971
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 04:51	WG1732971
1,3,5-Trimethylbenzene	0.645	J J3	0.104	1.00	1	09/02/2021 04:51	WG1732971
Vinyl chloride	U	J3	0.234	1.00	1	09/02/2021 04:51	WG1732971
Xylenes, Total	U	J3	0.174	3.00	1	09/02/2021 04:51	WG1732971
o-Xylene	U	J3	0.174	1.00	1	09/02/2021 04:51	WG1732971
m&p-Xylene	U	J3	0.430	2.00	1	09/02/2021 04:51	WG1732971
(S) Toluene-d8	*97.9*			*80.0-120*		*09/02/2021 04:51*	WG1732971
(S) 4-Bromofluorobenzene	*84.1*			*77.0-126*		*09/02/2021 04:51*	WG1732971
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*09/02/2021 04:51*	WG1732971

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	633	B J	240	840	1.05	09/02/2021 22:38	WG1733645
(S) o-Terphenyl	*99.4*			*50.0-150*		*09/02/2021 22:38*	WG1733645

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	29.7	B J	28.7	100	1	09/02/2021 17:08	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*50.0-150*		*09/02/2021 17:08*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.00200	0.00500	1	08/30/2021 23:05	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 05:11	WG1732971
1,2-Dibromoethane	U		0.00410	0.00500	1	08/30/2021 23:05	WG1732035
Acrolein	U	J4	2.54	50.0	1	09/02/2021 05:11	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 05:11	WG1732971
Benzene	U		0.0941	1.00	1	09/02/2021 05:11	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 05:11	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 05:11	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 05:11	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 05:11	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 05:11	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 05:11	WG1732971
sec-Butylbenzene	U		0.125	1.00	1	09/02/2021 05:11	WG1732971
tert-Butylbenzene	U		0.127	1.00	1	09/02/2021 05:11	WG1732971
Carbon disulfide	U		0.0962	1.00	1	09/02/2021 05:11	WG1732971
Carbon tetrachloride	U		0.128	1.00	1	09/02/2021 05:11	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 05:11	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 05:11	WG1732971
Chloroethane	U		0.192	5.00	1	09/02/2021 05:11	WG1732971
Chloroform	U		0.111	5.00	1	09/02/2021 05:11	WG1732971
Chloromethane	U		0.960	2.50	1	09/02/2021 05:11	WG1732971
2-Chlorotoluene	U		0.106	1.00	1	09/02/2021 05:11	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 05:11	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 05:11	WG1732971
Dibromomethane	U		0.122	1.00	1	09/02/2021 05:11	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 05:11	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 05:11	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 05:11	WG1732971
Dichlorodifluoromethane	U		0.374	5.00	1	09/02/2021 05:11	WG1732971
1,1-Dichloroethane	U		0.100	1.00	1	09/02/2021 05:11	WG1732971
1,2-Dichloroethane	3.11	C5	0.0819	1.00	1	09/02/2021 05:11	WG1732971
1,1-Dichloroethene	U		0.188	1.00	1	09/02/2021 05:11	WG1732971
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/02/2021 05:11	WG1732971
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/02/2021 05:11	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 05:11	WG1732971
1,1-Dichloropropene	U		0.142	1.00	1	09/02/2021 05:11	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 05:11	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 05:11	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 05:11	WG1732971
2,2-Dichloropropane	U		0.161	1.00	1	09/02/2021 05:11	WG1732971
Di-isopropyl ether	U		0.105	1.00	1	09/02/2021 05:11	WG1732971
Ethylbenzene	U		0.137	1.00	1	09/02/2021 05:11	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 05:11	WG1732971
Isopropylbenzene	U	C3 J4	0.105	1.00	1	09/02/2021 05:11	WG1732971
p-Isopropyltoluene	U		0.120	1.00	1	09/02/2021 05:11	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 05:11	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 05:11	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 05:11	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 05:11	WG1732971

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		1.00	5.00	1	09/02/2021 05:11	WG1732971
n-Propylbenzene	U	C3 J4	0.0993	1.00	1	09/02/2021 05:11	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 05:11	WG1732971
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	09/02/2021 05:11	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 05:11	WG1732971
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/02/2021 05:11	WG1732971
Tetrachloroethene	U	C3	0.300	1.00	1	09/02/2021 05:11	WG1732971
Toluene	U		0.278	1.00	1	09/02/2021 05:11	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 05:11	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 05:11	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 05:11	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 05:11	WG1732971
Trichloroethene	U		0.190	1.00	1	09/02/2021 05:11	WG1732971
Trichlorofluoromethane	U		0.160	5.00	1	09/02/2021 05:11	WG1732971
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/02/2021 05:11	WG1732971
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 05:11	WG1732971
1,3,5-Trimethylbenzene	0.169	J	0.104	1.00	1	09/02/2021 05:11	WG1732971
Vinyl chloride	U		0.234	1.00	1	09/02/2021 05:11	WG1732971
Xylenes, Total	U		0.174	3.00	1	09/02/2021 05:11	WG1732971
o-Xylene	U		0.174	1.00	1	09/02/2021 05:11	WG1732971
m&p-Xylene	U		0.430	2.00	1	09/02/2021 05:11	WG1732971
(S) Toluene-d8	*96.9*			*80.0-120*		*09/02/2021 05:11*	WG1732971
(S) 4-Bromofluorobenzene	*86.3*			*77.0-126*		*09/02/2021 05:11*	WG1732971
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*09/02/2021 05:11*	WG1732971

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	658	B J	229	800	1	09/02/2021 23:38	WG1733645
(S) o-Terphenyl	*105*			*50.0-150*		*09/02/2021 23:38*	WG1733645

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	67.4	B J	28.7	100	1	09/02/2021 17:30	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*50.0-150*		*09/02/2021 17:30*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.0500	0.125	25	08/30/2021 23:52	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 05:31	WG1732971
1,2-Dibromoethane	U		0.103	0.125	25	08/30/2021 23:52	WG1732035
Acrolein	U	J4	2.54	50.0	1	09/02/2021 05:31	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 05:31	WG1732971
Benzene	U		0.0941	1.00	1	09/02/2021 05:31	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 05:31	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 05:31	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 05:31	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 05:31	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 05:31	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 05:31	WG1732971
sec-Butylbenzene	U		0.125	1.00	1	09/02/2021 05:31	WG1732971
tert-Butylbenzene	U		0.127	1.00	1	09/02/2021 05:31	WG1732971
Carbon disulfide	U		0.0962	1.00	1	09/02/2021 05:31	WG1732971
Carbon tetrachloride	U		0.128	1.00	1	09/02/2021 05:31	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 05:31	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 05:31	WG1732971
Chloroethane	U		0.192	5.00	1	09/02/2021 05:31	WG1732971
Chloroform	U		0.111	5.00	1	09/02/2021 05:31	WG1732971
Chloromethane	U		0.960	2.50	1	09/02/2021 05:31	WG1732971
2-Chlorotoluene	U		0.106	1.00	1	09/02/2021 05:31	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 05:31	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 05:31	WG1732971
Dibromomethane	U		0.122	1.00	1	09/02/2021 05:31	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 05:31	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 05:31	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 05:31	WG1732971
Dichlorodifluoromethane	U		0.374	5.00	1	09/02/2021 05:31	WG1732971
1,1-Dichloroethane	U		0.100	1.00	1	09/02/2021 05:31	WG1732971
1,2-Dichloroethane	U		0.0819	1.00	1	09/02/2021 05:31	WG1732971
1,1-Dichloroethene	U		0.188	1.00	1	09/02/2021 05:31	WG1732971
cis-1,2-Dichloroethene	37.6		0.126	1.00	1	09/02/2021 05:31	WG1732971
trans-1,2-Dichloroethene	0.275	J	0.149	1.00	1	09/02/2021 05:31	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 05:31	WG1732971
1,1-Dichloropropene	U		0.142	1.00	1	09/02/2021 05:31	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 05:31	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 05:31	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 05:31	WG1732971
2,2-Dichloropropane	U		0.161	1.00	1	09/02/2021 05:31	WG1732971
Di-isopropyl ether	U		0.105	1.00	1	09/02/2021 05:31	WG1732971
Ethylbenzene	U		0.137	1.00	1	09/02/2021 05:31	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 05:31	WG1732971
Isopropylbenzene	U	C3 J4	0.105	1.00	1	09/02/2021 05:31	WG1732971
p-Isopropyltoluene	U		0.120	1.00	1	09/02/2021 05:31	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 05:31	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 05:31	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 05:31	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 05:31	WG1732971

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		1.00	5.00	1	09/02/2021 05:31	WG1732971
n-Propylbenzene	U	C3 J4	0.0993	1.00	1	09/02/2021 05:31	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 05:31	WG1732971
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	09/02/2021 05:31	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 05:31	WG1732971
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/02/2021 05:31	WG1732971
Tetrachloroethene	45.2	C3	0.300	1.00	1	09/02/2021 05:31	WG1732971
Toluene	U		0.278	1.00	1	09/02/2021 05:31	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 05:31	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 05:31	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 05:31	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 05:31	WG1732971
Trichloroethene	13.5		0.190	1.00	1	09/02/2021 05:31	WG1732971
Trichlorofluoromethane	U		0.160	5.00	1	09/02/2021 05:31	WG1732971
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/02/2021 05:31	WG1732971
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 05:31	WG1732971
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 05:31	WG1732971
Vinyl chloride	U		0.234	1.00	1	09/02/2021 05:31	WG1732971
Xylenes, Total	U		0.174	3.00	1	09/02/2021 05:31	WG1732971
o-Xylene	U		0.174	1.00	1	09/02/2021 05:31	WG1732971
m&p-Xylene	U		0.430	2.00	1	09/02/2021 05:31	WG1732971
(S) Toluene-d8	*102*			*80.0-120*		*09/02/2021 05:31*	WG1732971
(S) 4-Bromofluorobenzene	*85.4*			*77.0-126*		*09/02/2021 05:31*	WG1732971
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*09/02/2021 05:31*	WG1732971

Sample Narrative:

L1396394-04 WG1732035: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	503	B J	229	800	1	09/02/2021 23:58	WG1733645
(S) o-Terphenyl	*105*			*50.0-150*		*09/02/2021 23:58*	WG1733645

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	3060		28.7	100	1	09/02/2021 17:52	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*50.0-150*		*09/02/2021 17:52*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.0500	0.125	25	08/31/2021 00:15	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 05:51	WG1732971
1,2-Dibromoethane	U		0.103	0.125	25	08/31/2021 00:15	WG1732035
Acrolein	U	J4	2.54	50.0	1	09/02/2021 05:51	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 05:51	WG1732971
Benzene	10.5		0.0941	1.00	1	09/02/2021 05:51	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 05:51	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 05:51	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 05:51	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 05:51	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 05:51	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 05:51	WG1732971
sec-Butylbenzene	14.8		0.125	1.00	1	09/02/2021 05:51	WG1732971
tert-Butylbenzene	15.1		0.127	1.00	1	09/02/2021 05:51	WG1732971
Carbon disulfide	U		0.0962	1.00	1	09/02/2021 05:51	WG1732971
Carbon tetrachloride	U		0.128	1.00	1	09/02/2021 05:51	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 05:51	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 05:51	WG1732971
Chloroethane	U		0.192	5.00	1	09/02/2021 05:51	WG1732971
Chloroform	U		0.111	5.00	1	09/02/2021 05:51	WG1732971
Chloromethane	U		0.960	2.50	1	09/02/2021 05:51	WG1732971
2-Chlorotoluene	U		0.106	1.00	1	09/02/2021 05:51	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 05:51	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 05:51	WG1732971
Dibromomethane	U		0.122	1.00	1	09/02/2021 05:51	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 05:51	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 05:51	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 05:51	WG1732971
Dichlorodifluoromethane	U		0.374	5.00	1	09/02/2021 05:51	WG1732971
1,1-Dichloroethane	U		0.100	1.00	1	09/02/2021 05:51	WG1732971
1,2-Dichloroethane	10.6	C5	0.0819	1.00	1	09/02/2021 05:51	WG1732971
1,1-Dichloroethene	U		0.188	1.00	1	09/02/2021 05:51	WG1732971
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/02/2021 05:51	WG1732971
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/02/2021 05:51	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 05:51	WG1732971
1,1-Dichloropropene	U		0.142	1.00	1	09/02/2021 05:51	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 05:51	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 05:51	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 05:51	WG1732971
2,2-Dichloropropane	U		0.161	1.00	1	09/02/2021 05:51	WG1732971
Di-isopropyl ether	U		0.105	1.00	1	09/02/2021 05:51	WG1732971
Ethylbenzene	106		0.137	1.00	1	09/02/2021 05:51	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 05:51	WG1732971
Isopropylbenzene	42.6	C3 J4	0.105	1.00	1	09/02/2021 05:51	WG1732971
p-Isopropyltoluene	29.5		0.120	1.00	1	09/02/2021 05:51	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 05:51	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 05:51	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 05:51	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 05:51	WG1732971

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	63.3		1.00	5.00	1	09/02/2021 05:51	WG1732971
n-Propylbenzene	94.5	C3 J4	0.0993	1.00	1	09/02/2021 05:51	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 05:51	WG1732971
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	09/02/2021 05:51	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 05:51	WG1732971
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/02/2021 05:51	WG1732971
Tetrachloroethene	U	C3	0.300	1.00	1	09/02/2021 05:51	WG1732971
Toluene	2.48		0.278	1.00	1	09/02/2021 05:51	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 05:51	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 05:51	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 05:51	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 05:51	WG1732971
Trichloroethene	U		0.190	1.00	1	09/02/2021 05:51	WG1732971
Trichlorofluoromethane	U		0.160	5.00	1	09/02/2021 05:51	WG1732971
1,2,4-Trimethylbenzene	85.3		0.322	1.00	1	09/02/2021 05:51	WG1732971
1,2,3-Trimethylbenzene	4.37		0.104	1.00	1	09/02/2021 05:51	WG1732971
1,3,5-Trimethylbenzene	53.7		0.104	1.00	1	09/02/2021 05:51	WG1732971
Vinyl chloride	U		0.234	1.00	1	09/02/2021 05:51	WG1732971
Xylenes, Total	106		0.174	3.00	1	09/02/2021 05:51	WG1732971
o-Xylene	4.28		0.174	1.00	1	09/02/2021 05:51	WG1732971
m&p-Xylene	102		0.430	2.00	1	09/02/2021 05:51	WG1732971
(S) Toluene-d8	*91.5*			*80.0-120*		*09/02/2021 05:51*	WG1732971
(S) 4-Bromofluorobenzene	*85.1*			*77.0-126*		*09/02/2021 05:51*	WG1732971
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*09/02/2021 05:51*	WG1732971

Sample Narrative:

L1396394-05 WG1732035: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	1900	B	229	800	1	09/03/2021 00:18	WG1733645
(S) o-Terphenyl	*106*			*50.0-150*		*09/03/2021 00:18*	WG1733645

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0194	0.0510	1.02	08/31/2021 11:47	WG1731465
Acenaphthene	0.0692		0.0194	0.0510	1.02	08/31/2021 11:47	WG1731465
Acenaphthylene	U		0.0173	0.0510	1.02	08/31/2021 11:47	WG1731465
Benzo(a)anthracene	U		0.0204	0.0510	1.02	08/31/2021 11:47	WG1731465
Benzo(a)pyrene	U		0.0184	0.0510	1.02	08/31/2021 11:47	WG1731465
Benzo(b)fluoranthene	U		0.0173	0.0510	1.02	08/31/2021 11:47	WG1731465
Benzo(g,h,i)perylene	U		0.0184	0.0510	1.02	08/31/2021 11:47	WG1731465
Benzo(k)fluoranthene	U		0.0204	0.255	1.02	08/31/2021 11:47	WG1731465
Chrysene	U		0.0184	0.0510	1.02	08/31/2021 11:47	WG1731465
Dibenz(a,h)anthracene	U		0.0184	0.0510	1.02	08/31/2021 11:47	WG1731465
Fluoranthene	U		0.0112	0.0510	1.02	08/31/2021 11:47	WG1731465
Fluorene	U		0.0173	0.0510	1.02	08/31/2021 11:47	WG1731465
Indeno(1,2,3-cd)pyrene	U		0.0184	0.0510	1.02	08/31/2021 11:47	WG1731465
Naphthalene	34.9		0.131	0.510	1.02	08/31/2021 11:47	WG1731465
Phenanthrene	U		0.0184	0.0510	1.02	08/31/2021 11:47	WG1731465
Pyrene	U		0.0173	0.0510	1.02	08/31/2021 11:47	WG1731465
1-Methylnaphthalene	11.0		0.0204	0.510	1.02	08/31/2021 11:47	WG1731465
2-Methylnaphthalene	6.79		0.0286	0.510	1.02	08/31/2021 11:47	WG1731465

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	
2-Chloronaphthalene	0.0298	J	0.0122	0.510	1.02	08/31/2021 11:47	WG1731465
(S) Nitrobenzene-d5	*76.5*			*11.0-135*		*08/31/2021 11:47*	WG1731465
(S) 2-Fluorobiphenyl	*71.1*			*32.0-120*		*08/31/2021 11:47*	WG1731465
(S) p-Terphenyl-d14	*67.2*			*23.0-122*		*08/31/2021 11:47*	WG1731465

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	U		28.7	100	1	09/02/2021 14:57	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*50.0-150*		*09/02/2021 14:57*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.00200	0.00500	1	08/30/2021 20:43	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 00:28	WG1732971
1,2-Dibromoethane	U		0.00410	0.00500	1	08/30/2021 20:43	WG1732035
Acrolein	U	J4	2.54	50.0	1	09/02/2021 00:28	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 00:28	WG1732971
Benzene	U		0.0941	1.00	1	09/02/2021 00:28	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 00:28	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 00:28	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 00:28	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 00:28	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 00:28	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 00:28	WG1732971
sec-Butylbenzene	U		0.125	1.00	1	09/02/2021 00:28	WG1732971
tert-Butylbenzene	U		0.127	1.00	1	09/02/2021 00:28	WG1732971
Carbon disulfide	U		0.0962	1.00	1	09/02/2021 00:28	WG1732971
Carbon tetrachloride	U		0.128	1.00	1	09/02/2021 00:28	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 00:28	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 00:28	WG1732971
Chloroethane	U		0.192	5.00	1	09/02/2021 00:28	WG1732971
Chloroform	U		0.111	5.00	1	09/02/2021 00:28	WG1732971
Chloromethane	U		0.960	2.50	1	09/02/2021 00:28	WG1732971
2-Chlorotoluene	U		0.106	1.00	1	09/02/2021 00:28	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 00:28	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 00:28	WG1732971
Dibromomethane	U		0.122	1.00	1	09/02/2021 00:28	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 00:28	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 00:28	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 00:28	WG1732971
Dichlorodifluoromethane	U		0.374	5.00	1	09/02/2021 00:28	WG1732971
1,1-Dichloroethane	U		0.100	1.00	1	09/02/2021 00:28	WG1732971
1,2-Dichloroethane	U		0.0819	1.00	1	09/02/2021 00:28	WG1732971
1,1-Dichloroethene	U		0.188	1.00	1	09/02/2021 00:28	WG1732971
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/02/2021 00:28	WG1732971
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/02/2021 00:28	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 00:28	WG1732971
1,1-Dichloropropene	U		0.142	1.00	1	09/02/2021 00:28	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 00:28	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 00:28	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 00:28	WG1732971
2,2-Dichloropropane	U		0.161	1.00	1	09/02/2021 00:28	WG1732971
Di-isopropyl ether	U		0.105	1.00	1	09/02/2021 00:28	WG1732971
Ethylbenzene	U		0.137	1.00	1	09/02/2021 00:28	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 00:28	WG1732971
Isopropylbenzene	U	C3 J4	0.105	1.00	1	09/02/2021 00:28	WG1732971
p-Isopropyltoluene	U		0.120	1.00	1	09/02/2021 00:28	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 00:28	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 00:28	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 00:28	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 00:28	WG1732971

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		1.00	5.00	1	09/02/2021 00:28	WG1732971
n-Propylbenzene	U	C3 J4	0.0993	1.00	1	09/02/2021 00:28	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 00:28	WG1732971
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	09/02/2021 00:28	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 00:28	WG1732971
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/02/2021 00:28	WG1732971
Tetrachloroethene	U	C3	0.300	1.00	1	09/02/2021 00:28	WG1732971
Toluene	U		0.278	1.00	1	09/02/2021 00:28	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 00:28	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 00:28	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 00:28	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 00:28	WG1732971
Trichloroethene	U		0.190	1.00	1	09/02/2021 00:28	WG1732971
Trichlorofluoromethane	U		0.160	5.00	1	09/02/2021 00:28	WG1732971
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/02/2021 00:28	WG1732971
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 00:28	WG1732971
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 00:28	WG1732971
Vinyl chloride	U		0.234	1.00	1	09/02/2021 00:28	WG1732971
Xylenes, Total	U		0.174	3.00	1	09/02/2021 00:28	WG1732971
o-Xylene	U		0.174	1.00	1	09/02/2021 00:28	WG1732971
m&p-Xylene	U		0.430	2.00	1	09/02/2021 00:28	WG1732971
(S) Toluene-d8	*97.4*			*80.0-120*		*09/02/2021 00:28*	WG1732971
(S) 4-Bromofluorobenzene	*86.0*			*77.0-126*		*09/02/2021 00:28*	WG1732971
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*09/02/2021 00:28*	WG1732971

Semi-Volatile Organic Compounds (GC) by Method AK102

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
AK102 DRO C10-C25	624	B J	229	800	1	09/10/2021 01:11	WG1735778
(S) o-Terphenyl	*102*			*50.0-150*		*09/10/2021 01:11*	WG1735778

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	08/31/2021 12:04	WG1731465
Acenaphthene	U		0.0190	0.0500	1	08/31/2021 12:04	WG1731465
Acenaphthylene	U		0.0170	0.0500	1	08/31/2021 12:04	WG1731465
Benzo(a)anthracene	U		0.0200	0.0500	1	08/31/2021 12:04	WG1731465
Benzo(a)pyrene	U		0.0180	0.0500	1	08/31/2021 12:04	WG1731465
Benzo(b)fluoranthene	U		0.0170	0.0500	1	08/31/2021 12:04	WG1731465
Benzo(g,h,i)perylene	U		0.0180	0.0500	1	08/31/2021 12:04	WG1731465
Benzo(k)fluoranthene	U		0.0200	0.250	1	08/31/2021 12:04	WG1731465
Chrysene	U		0.0180	0.0500	1	08/31/2021 12:04	WG1731465
Dibenz(a,h)anthracene	U		0.0180	0.0500	1	08/31/2021 12:04	WG1731465
Fluoranthene	U		0.0110	0.0500	1	08/31/2021 12:04	WG1731465
Fluorene	U		0.0170	0.0500	1	08/31/2021 12:04	WG1731465
Indeno(1,2,3-cd)pyrene	U		0.0180	0.0500	1	08/31/2021 12:04	WG1731465
Naphthalene	U		0.128	0.500	1	08/31/2021 12:04	WG1731465
Phenanthrene	U		0.0180	0.0500	1	08/31/2021 12:04	WG1731465
Pyrene	U		0.0170	0.0500	1	08/31/2021 12:04	WG1731465
1-Methylnaphthalene	U		0.0200	0.500	1	08/31/2021 12:04	WG1731465
2-Methylnaphthalene	U		0.0280	0.500	1	08/31/2021 12:04	WG1731465
2-Chloronaphthalene	U		0.0120	0.500	1	08/31/2021 12:04	WG1731465
(S) Nitrobenzene-d5	*68.5*			*11.0-135*		*08/31/2021 12:04*	WG1731465
(S) 2-Fluorobiphenyl	*66.0*			*32.0-120*		*08/31/2021 12:04*	WG1731465

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	
(S) p-Terphenyl-d14	*71.5*			*23.0-122*		*08/31/2021 12:04*	WG1731465

Volatile Organic Compounds (GC) by Method AK101

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
TPHGAK C6 to C10	42.9	B J	28.7	100	1	09/02/2021 14:13	WG1733662
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*50.0-150*		*09/02/2021 14:13*	WG1733662

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,3-Trichloropropane	U		0.00200	0.00500	1	08/30/2021 19:55	WG1732035
Acetone	U		11.3	50.0	1	09/02/2021 00:08	WG1732971
1,2-Dibromoethane	U		0.00410	0.00500	1	08/30/2021 19:55	WG1732035
Acrolein	U	J4	2.54	50.0	1	09/02/2021 00:08	WG1732971
Acrylonitrile	U		0.671	10.0	1	09/02/2021 00:08	WG1732971
Benzene	U		0.0941	1.00	1	09/02/2021 00:08	WG1732971
Bromobenzene	U		0.118	1.00	1	09/02/2021 00:08	WG1732971
Bromochloromethane	U		0.128	1.00	1	09/02/2021 00:08	WG1732971
Bromodichloromethane	U		0.136	1.00	1	09/02/2021 00:08	WG1732971
Bromoform	U	C3	0.129	1.00	1	09/02/2021 00:08	WG1732971
Bromomethane	U	C3	0.605	5.00	1	09/02/2021 00:08	WG1732971
n-Butylbenzene	U		0.157	1.00	1	09/02/2021 00:08	WG1732971
sec-Butylbenzene	U		0.125	1.00	1	09/02/2021 00:08	WG1732971
tert-Butylbenzene	U		0.127	1.00	1	09/02/2021 00:08	WG1732971
Carbon disulfide	U		0.0962	1.00	1	09/02/2021 00:08	WG1732971
Carbon tetrachloride	U		0.128	1.00	1	09/02/2021 00:08	WG1732971
Chlorobenzene	U		0.116	1.00	1	09/02/2021 00:08	WG1732971
Chlorodibromomethane	U		0.140	1.00	1	09/02/2021 00:08	WG1732971
Chloroethane	U		0.192	5.00	1	09/02/2021 00:08	WG1732971
Chloroform	U		0.111	5.00	1	09/02/2021 00:08	WG1732971
Chloromethane	U		0.960	2.50	1	09/02/2021 00:08	WG1732971
2-Chlorotoluene	U		0.106	1.00	1	09/02/2021 00:08	WG1732971
4-Chlorotoluene	U		0.114	1.00	1	09/02/2021 00:08	WG1732971
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	09/02/2021 00:08	WG1732971
Dibromomethane	U		0.122	1.00	1	09/02/2021 00:08	WG1732971
1,2-Dichlorobenzene	U		0.107	1.00	1	09/02/2021 00:08	WG1732971
1,3-Dichlorobenzene	U		0.110	1.00	1	09/02/2021 00:08	WG1732971
1,4-Dichlorobenzene	U		0.120	1.00	1	09/02/2021 00:08	WG1732971
Dichlorodifluoromethane	U		0.374	5.00	1	09/02/2021 00:08	WG1732971
1,1-Dichloroethane	U		0.100	1.00	1	09/02/2021 00:08	WG1732971
1,2-Dichloroethane	U		0.0819	1.00	1	09/02/2021 00:08	WG1732971
1,1-Dichloroethene	U		0.188	1.00	1	09/02/2021 00:08	WG1732971
cis-1,2-Dichloroethene	U		0.126	1.00	1	09/02/2021 00:08	WG1732971
trans-1,2-Dichloroethene	U		0.149	1.00	1	09/02/2021 00:08	WG1732971
1,2-Dichloropropane	U		0.149	1.00	1	09/02/2021 00:08	WG1732971
1,1-Dichloropropene	U		0.142	1.00	1	09/02/2021 00:08	WG1732971
1,3-Dichloropropane	U		0.110	1.00	1	09/02/2021 00:08	WG1732971
cis-1,3-Dichloropropene	U		0.111	1.00	1	09/02/2021 00:08	WG1732971
trans-1,3-Dichloropropene	U		0.118	1.00	1	09/02/2021 00:08	WG1732971
2,2-Dichloropropane	U		0.161	1.00	1	09/02/2021 00:08	WG1732971
Di-isopropyl ether	U		0.105	1.00	1	09/02/2021 00:08	WG1732971
Ethylbenzene	U		0.137	1.00	1	09/02/2021 00:08	WG1732971
Hexachloro-1,3-butadiene	U		0.337	1.00	1	09/02/2021 00:08	WG1732971
Isopropylbenzene	U	C3 J4	0.105	1.00	1	09/02/2021 00:08	WG1732971
p-Isopropyltoluene	U		0.120	1.00	1	09/02/2021 00:08	WG1732971
2-Butanone (MEK)	U		1.19	10.0	1	09/02/2021 00:08	WG1732971
Methylene Chloride	U		0.430	5.00	1	09/02/2021 00:08	WG1732971
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	09/02/2021 00:08	WG1732971
Methyl tert-butyl ether	U		0.101	1.00	1	09/02/2021 00:08	WG1732971

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	1.24	J	1.00	5.00	1	09/02/2021 00:08	WG1732971
n-Propylbenzene	U	C3 J4	0.0993	1.00	1	09/02/2021 00:08	WG1732971
Styrene	U		0.118	1.00	1	09/02/2021 00:08	WG1732971
1,1,1,2-Tetrachloroethane	U	C3	0.147	1.00	1	09/02/2021 00:08	WG1732971
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	09/02/2021 00:08	WG1732971
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	09/02/2021 00:08	WG1732971
Tetrachloroethene	U	C3	0.300	1.00	1	09/02/2021 00:08	WG1732971
Toluene	U		0.278	1.00	1	09/02/2021 00:08	WG1732971
1,2,3-Trichlorobenzene	U		0.230	1.00	1	09/02/2021 00:08	WG1732971
1,2,4-Trichlorobenzene	U		0.481	1.00	1	09/02/2021 00:08	WG1732971
1,1,1-Trichloroethane	U		0.149	1.00	1	09/02/2021 00:08	WG1732971
1,1,2-Trichloroethane	U		0.158	1.00	1	09/02/2021 00:08	WG1732971
Trichloroethene	U		0.190	1.00	1	09/02/2021 00:08	WG1732971
Trichlorofluoromethane	U		0.160	5.00	1	09/02/2021 00:08	WG1732971
1,2,4-Trimethylbenzene	U		0.322	1.00	1	09/02/2021 00:08	WG1732971
1,2,3-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 00:08	WG1732971
1,3,5-Trimethylbenzene	U		0.104	1.00	1	09/02/2021 00:08	WG1732971
Vinyl chloride	U		0.234	1.00	1	09/02/2021 00:08	WG1732971
Xylenes, Total	U		0.174	3.00	1	09/02/2021 00:08	WG1732971
o-Xylene	U		0.174	1.00	1	09/02/2021 00:08	WG1732971
m&p-Xylene	U		0.430	2.00	1	09/02/2021 00:08	WG1732971
(S) Toluene-d8	*105*			*80.0-120*		*09/02/2021 00:08*	WG1732971
(S) 4-Bromofluorobenzene	*91.0*			*77.0-126*		*09/02/2021 00:08*	WG1732971
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*09/02/2021 00:08*	WG1732971

Method Blank (MB)

(MB) R3701237-2 09/02/21 13:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
TPHGAK C6 to C10	30.3	J	28.7	100
(S) a,a,a-Trifluorotoluene(FID)	*98.2*			*60.0-120*

Laboratory Control Sample (LCS)

(LCS) R3701237-1 09/02/21 12:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHGAK C6 to C10	5000	5590	112	60.0-120	
(S) a,a,a-Trifluorotoluene(FID)			*114*	*60.0-120*	

L1396394-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396394-02 09/02/21 16:47 • (MS) R3701237-3 09/02/21 20:04 • (MSD) R3701237-4 09/02/21 20:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHGAK C6 to C10	5000	47.3	4810	5120	95.3	101	1	70.0-130			6.24	20
(S) a,a,a-Trifluorotoluene(FID)					*99.1*	*102*		*50.0-150*				

Method Blank (MB)

(MB) R3698689-2 08/30/21 19:08

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

Laboratory Control Sample (LCS)

(LCS) R3698689-1 08/30/21 18:45

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,2,3-Trichloropropane	0.0500	0.0440	88.0	70.0-130	
1,2-Dibromoethane	0.0500	0.0490	98.0	70.0-130	

L1395903-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1395903-02 08/30/21 21:30 • (MS) R3698689-3 08/31/21 01:03 • (MSD) R3698689-4 08/31/21 01:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
1,2,3-Trichloropropane	0.0500	U	0.0390	0.0440	78.0	88.0	1	70.0-130			12.0	20
1,2-Dibromoethane	0.0500	U	0.0500	0.0500	100	100	1	70.0-130			0.000	20

L1396394-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396394-02 08/30/21 22:41 • (MS) R3698689-5 08/31/21 01:50 • (MSD) R3698689-6 08/31/21 02:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
1,2,3-Trichloropropane	0.0500	U	0.0490	0.0500	98.0	100	1	70.0-130			2.02	20
1,2-Dibromoethane	0.0500	0.00600	0.0680	0.0660	124	120	1	70.0-130			2.99	20

Method Blank (MB)

(MB) R3699701-2 09/01/21 20:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00

Method Blank (MB)

(MB) R3699701-2 09/01/21 20:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trimethylbenzene	U		0.104	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	*93.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3699701-1 09/01/21 19:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.1	112	19.0-160	
Acrolein	25.0	48.6	194	10.0-160	J4

Laboratory Control Sample (LCS)

(LCS) R3699701-1 09/01/21 19:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acrylonitrile	25.0	22.8	91.2	55.0-149	
Benzene	5.00	5.28	106	70.0-123	
Bromobenzene	5.00	4.11	82.2	73.0-121	
Bromodichloromethane	5.00	5.17	103	75.0-120	
Bromochloromethane	5.00	4.59	91.8	76.0-122	
Bromoform	5.00	3.41	68.2	68.0-132	
Bromomethane	5.00	3.84	76.8	10.0-160	
n-Butylbenzene	5.00	4.62	92.4	73.0-125	
sec-Butylbenzene	5.00	4.13	82.6	75.0-125	
tert-Butylbenzene	5.00	4.16	83.2	76.0-124	
Carbon disulfide	5.00	4.63	92.6	61.0-128	
Carbon tetrachloride	5.00	5.13	103	68.0-126	
Chlorobenzene	5.00	4.48	89.6	80.0-121	
Chlorodibromomethane	5.00	4.20	84.0	77.0-125	
Chloroethane	5.00	6.95	139	47.0-150	
Chloroform	5.00	5.32	106	73.0-120	
Chloromethane	5.00	4.67	93.4	41.0-142	
2-Chlorotoluene	5.00	4.27	85.4	76.0-123	
4-Chlorotoluene	5.00	4.19	83.8	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.96	99.2	58.0-134	
Dibromomethane	5.00	5.56	111	80.0-120	
1,2-Dichlorobenzene	5.00	4.47	89.4	79.0-121	
1,3-Dichlorobenzene	5.00	4.49	89.8	79.0-120	
1,4-Dichlorobenzene	5.00	4.80	96.0	79.0-120	
Dichlorodifluoromethane	5.00	6.13	123	51.0-149	
1,1-Dichloroethane	5.00	5.55	111	70.0-126	
1,2-Dichloroethane	5.00	6.03	121	70.0-128	
1,1-Dichloroethene	5.00	4.33	86.6	71.0-124	
cis-1,2-Dichloroethene	5.00	4.78	95.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.87	97.4	73.0-120	
1,2-Dichloropropane	5.00	5.64	113	77.0-125	
1,1-Dichloropropene	5.00	5.14	103	74.0-126	
1,3-Dichloropropane	5.00	4.97	99.4	80.0-120	
cis-1,3-Dichloropropene	5.00	5.29	106	80.0-123	
trans-1,3-Dichloropropene	5.00	4.36	87.2	78.0-124	
2,2-Dichloropropane	5.00	5.53	111	58.0-130	
Di-isopropyl ether	5.00	5.32	106	58.0-138	
Ethylbenzene	5.00	4.20	84.0	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.57	91.4	54.0-138	
Isopropylbenzene	5.00	3.74	74.8	76.0-127	J4

Laboratory Control Sample (LCS)

(LCS) R3699701-1 09/01/21 19:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
p-Isopropyltoluene	5.00	4.44	88.8	76.0-125	
2-Butanone (MEK)	25.0	20.3	81.2	44.0-160	
Methylene Chloride	5.00	5.15	103	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	23.5	94.0	68.0-142	
Methyl tert-butyl ether	5.00	5.31	106	68.0-125	
Naphthalene	5.00	4.35	87.0	54.0-135	
n-Propylbenzene	5.00	3.81	76.2	77.0-124	J4
Styrene	5.00	4.00	80.0	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	3.81	76.2	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.17	83.4	65.0-130	
Tetrachloroethene	5.00	3.69	73.8	72.0-132	
Toluene	5.00	4.40	88.0	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	4.79	95.8	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.86	97.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.63	92.6	57.0-137	
1,1,1-Trichloroethane	5.00	4.95	99.0	73.0-124	
1,1,2-Trichloroethane	5.00	4.21	84.2	80.0-120	
Trichloroethene	5.00	4.52	90.4	78.0-124	
Trichlorofluoromethane	5.00	7.04	141	59.0-147	
1,2,3-Trimethylbenzene	5.00	4.41	88.2	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.16	83.2	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.02	80.4	76.0-122	
Vinyl chloride	5.00	6.22	124	67.0-131	
Xylenes, Total	15.0	13.3	88.7	79.0-123	
o-Xylene	5.00	4.09	81.8	80.0-122	
m&p-Xylenes	10.0	9.24	92.4	80.0-122	
(S) Toluene-d8			*93.1*	*80.0-120*	
(S) 4-Bromofluorobenzene			*87.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

L1396394-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396394-02 09/02/21 04:51 • (MS) R3699701-3 09/02/21 06:52 • (MSD) R3699701-4 09/02/21 07:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	29.7	27.6	119	110	1	10.0-160			7.33	35
Acrolein	25.0	U	53.2	43.6	213	174	1	10.0-160	J5	J5	19.8	39
Acrylonitrile	25.0	U	28.0	24.0	112	96.0	1	21.0-160			15.4	32
Benzene	5.00	U	6.43	4.74	129	94.8	1	17.0-158		J3	30.3	27

L1396394-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396394-02 09/02/21 04:51 • (MS) R3699701-3 09/02/21 06:52 • (MSD) R3699701-4 09/02/21 07:12

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 %
Bromobenzene	5.00	U	4.80	4.04	96.0	80.8	1	30.0-149			17.2	28
Bromodichloromethane	5.00	U	5.92	4.91	118	98.2	1	31.0-150			18.7	27
Bromochloromethane	5.00	U	5.84	4.52	117	90.4	1	38.0-142			25.5	26
Bromoform	5.00	U	4.08	3.49	81.6	69.8	1	29.0-150			15.6	29
Bromomethane	5.00	U	2.45	2.68	49.0	53.6	1	10.0-160			8.97	38
n-Butylbenzene	5.00	U	4.89	3.96	97.8	79.2	1	31.0-150			21.0	30
sec-Butylbenzene	5.00	0.450	5.28	4.03	96.6	71.6	1	33.0-155			26.9	29
tert-Butylbenzene	5.00	0.258	4.99	4.01	94.6	75.0	1	34.0-153			21.8	28
Carbon disulfide	5.00	U	5.43	3.90	109	78.0	1	10.0-156		J3	32.8	28
Carbon tetrachloride	5.00	U	6.62	4.71	132	94.2	1	23.0-159		J3	33.7	28
Chlorobenzene	5.00	U	5.32	4.15	106	83.0	1	33.0-152			24.7	27
Chlorodibromomethane	5.00	U	5.04	4.12	101	82.4	1	37.0-149			20.1	27
Chloroethane	5.00	U	9.21	6.63	184	133	1	10.0-160	J5	J3	32.6	30
Chloroform	5.00	U	6.60	4.92	132	98.4	1	29.0-154		J3	29.2	28
Chloromethane	5.00	U	5.99	4.32	120	86.4	1	10.0-160		J3	32.4	29
2-Chlorotoluene	5.00	U	5.19	3.80	104	76.0	1	32.0-153		J3	30.9	28
4-Chlorotoluene	5.00	U	4.80	3.66	96.0	73.2	1	32.0-150			27.0	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.87	4.51	97.4	90.2	1	22.0-151			7.68	34
Dibromomethane	5.00	U	6.28	4.74	126	94.8	1	30.0-151		J3	27.9	27
1,2-Dichlorobenzene	5.00	U	5.41	4.45	108	89.0	1	34.0-149			19.5	28
1,3-Dichlorobenzene	5.00	U	5.26	4.20	105	84.0	1	36.0-146			22.4	27
1,4-Dichlorobenzene	5.00	U	5.30	4.63	106	92.6	1	35.0-142			13.5	27
Dichlorodifluoromethane	5.00	U	8.25	5.51	165	110	1	10.0-160	J5	J3	39.8	29
1,1-Dichloroethane	5.00	U	6.83	5.18	137	104	1	25.0-158		J3	27.5	27
1,2-Dichloroethane	5.00	U	7.52	6.71	150	134	1	29.0-151			11.4	27
1,1-Dichloroethene	5.00	U	5.96	3.89	119	77.8	1	11.0-160		J3	42.0	29
cis-1,2-Dichloroethene	5.00	U	5.89	4.22	118	84.4	1	10.0-160		J3	33.0	27
trans-1,2-Dichloroethene	5.00	U	6.10	4.69	122	93.8	1	17.0-153			26.1	27
1,2-Dichloropropane	5.00	U	6.37	5.31	127	106	1	30.0-156			18.2	27
1,1-Dichloropropene	5.00	U	6.92	4.79	138	95.8	1	25.0-158		J3	36.4	27
1,3-Dichloropropane	5.00	U	5.94	4.79	119	95.8	1	38.0-147			21.4	27
cis-1,3-Dichloropropene	5.00	U	5.86	4.58	117	91.6	1	34.0-149			24.5	28
trans-1,3-Dichloropropene	5.00	U	5.44	4.16	109	83.2	1	32.0-149			26.7	28
2,2-Dichloropropane	5.00	U	5.87	4.22	117	84.4	1	24.0-152		J3	32.7	29
Di-isopropyl ether	5.00	U	7.00	5.25	140	105	1	21.0-160		J3	28.6	28
Ethylbenzene	5.00	0.321	5.26	3.86	98.8	70.8	1	30.0-155		J3	30.7	27
Hexachloro-1,3-butadiene	5.00	U	4.96	4.61	99.2	92.2	1	20.0-154			7.31	34
Isopropylbenzene	5.00	0.295	4.93	3.74	92.7	68.9	1	28.0-157		J3	27.5	27
p-Isopropyltoluene	5.00	0.796	5.19	3.95	87.9	63.1	1	30.0-154			27.1	29
2-Butanone (MEK)	25.0	U	26.3	22.4	105	89.6	1	10.0-160			16.0	32

L1396394-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396394-02 09/02/21 04:51 • (MS) R3699701-3 09/02/21 06:52 • (MSD) R3699701-4 09/02/21 07:12

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 %
Methylene Chloride	5.00	U	5.80	4.69	116	93.8	1	23.0-144			21.2	28
4-Methyl-2-pentanone (MIBK)	25.0	U	30.4	25.6	122	102	1	29.0-160			17.1	29
Methyl tert-butyl ether	5.00	U	6.41	5.17	128	103	1	28.0-150			21.4	29
Naphthalene	5.00	4.29	5.30	5.15	20.2	17.2	1	12.0-156			2.87	35
n-Propylbenzene	5.00	1.08	4.85	3.87	75.4	55.8	1	31.0-154			22.5	28
Styrene	5.00	U	4.50	3.57	90.0	71.4	1	33.0-155			23.0	28
1,1,1,2-Tetrachloroethane	5.00	U	5.26	3.79	105	75.8	1	36.0-151		J3	32.5	29
1,1,2,2-Tetrachloroethane	5.00	U	5.25	4.85	105	97.0	1	33.0-150			7.92	28
Tetrachloroethene	5.00	1.59	6.47	5.03	97.6	68.8	1	10.0-160			25.0	27
Toluene	5.00	U	5.18	3.86	104	77.2	1	26.0-154		J3	29.2	28
1,1,2-Trichlorotrifluoroethane	5.00	U	6.45	4.62	129	92.4	1	23.0-160		J3	33.1	30
1,2,3-Trichlorobenzene	5.00	U	5.97	5.10	119	102	1	17.0-150			15.7	36
1,2,4-Trichlorobenzene	5.00	U	5.05	4.76	101	95.2	1	24.0-150			5.91	33
1,1,1-Trichloroethane	5.00	U	6.54	4.98	131	99.6	1	23.0-160			27.1	28
1,1,2-Trichloroethane	5.00	U	4.93	4.14	98.6	82.8	1	35.0-147			17.4	27
Trichloroethene	5.00	U	6.00	4.03	120	80.6	1	10.0-160		J3	39.3	25
Trichlorofluoromethane	5.00	U	10.5	7.68	210	154	1	17.0-160	J5		31.0	31
1,2,3-Trimethylbenzene	5.00	U	5.29	4.60	106	92.0	1	32.0-149			14.0	28
1,2,4-Trimethylbenzene	5.00	0.995	5.05	3.82	81.1	56.5	1	26.0-154		J3	27.7	27
1,3,5-Trimethylbenzene	5.00	0.645	5.10	3.86	89.1	64.3	1	28.0-153		J3	27.7	27
Vinyl chloride	5.00	U	7.57	5.46	151	109	1	10.0-160		J3	32.4	27
Xylenes, Total	15.0	U	15.5	10.9	103	72.7	1	29.0-154		J3	34.8	28
o-Xylene	5.00	U	4.99	3.81	99.8	76.2	1	45.0-144		J3	26.8	26
m&p-Xylenes	10.0	U	10.5	7.13	105	71.3	1	43.0-146		J3	38.2	26
(S) Toluene-d8					*95.3*	*91.3*		*80.0-120*				
(S) 4-Bromofluorobenzene					*87.5*	*78.3*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*119*	*115*		*70.0-130*				

Method Blank (MB)

(MB) R3699930-1 09/02/21 17:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
AK102 DRO C10-C25	455	J	229	800
(S) o-Terphenyl	*99.1*			*60.0-120*

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

(LCS) R3699930-2 09/02/21 17:36 • (LCSD) R3699930-3 09/02/21 17:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	6810	6990	114	117	75.0-125			2.61	20
(S) o-Terphenyl				*83.0*	*85.0*	*60.0-120*				

L1395903-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1395903-02 09/02/21 20:17 • (MS) R3699930-4 09/02/21 20:37 • (MSD) R3699930-5 09/02/21 20:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6320	585	7130	7180	104	110	1.05	75.0-125			0.699	20
(S) o-Terphenyl					*78.2*	*80.9*		*50.0-150*				

L1396394-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396394-02 09/02/21 22:38 • (MS) R3699930-6 09/02/21 22:58 • (MSD) R3699930-7 09/02/21 23:18

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6320	633	6800	6790	97.6	103	1.05	75.0-125			0.147	20
(S) o-Terphenyl					*80.5*	*82.8*		*50.0-150*				

Method Blank (MB)

(MB) R3702767-1 09/09/21 22:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
AK102 DRO C10-C25	581	J	229	800
(S) o-Terphenyl	*93.9*			*60.0-120*

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

(LCS) R3702767-2 09/09/21 22:51 • (LCSD) R3702767-3 09/09/21 23:11

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	6570	6870	110	115	75.0-125			4.46	20
(S) o-Terphenyl				*64.4*	*83.4*	*60.0-120*				

L1397157-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397157-02 09/10/21 01:52 • (MS) R3702767-4 09/10/21 02:12 • (MSD) R3702767-5 09/10/21 02:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	712	6510	6770	96.6	101	1	75.0-125			3.92	20
(S) o-Terphenyl					*77.2*	*67.0*		*50.0-150*				

L1397640-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397640-03 09/10/21 03:32 • (MS) R3702767-6 09/10/21 03:52 • (MSD) R3702767-7 09/10/21 04:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
AK102 DRO C10-C25	6000	1170	7410	7460	104	105	1	75.0-125			0.672	20
(S) o-Terphenyl					*73.0*	*75.3*		*50.0-150*				

Method Blank (MB)

(MB) R3698632-2 08/31/21 05:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0170	0.0500
Benzo(a)anthracene	0.0202	J	0.0200	0.0500
Benzo(a)pyrene	U		0.0180	0.0500
Benzo(b)fluoranthene	U		0.0170	0.0500
Benzo(g,h,i)perylene	U		0.0180	0.0500
Benzo(k)fluoranthene	U		0.0200	0.250
Chrysene	U		0.0180	0.0500
Dibenz(a,h)anthracene	U		0.0180	0.0500
Fluoranthene	0.0183	J	0.0110	0.0500
Fluorene	U		0.0170	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0180	0.0500
Naphthalene	U		0.128	0.500
Phenanthrene	U		0.0180	0.0500
Pyrene	0.0192	J	0.0170	0.0500
1-Methylnaphthalene	U		0.0200	0.500
2-Methylnaphthalene	U		0.0280	0.500
2-Chloronaphthalene	U		0.0120	0.500
(S) Nitrobenzene-d5	*87.0*			*11.0-135*
(S) 2-Fluorobiphenyl	*80.5*			*32.0-120*
(S) p-Terphenyl-d14	*99.0*			*23.0-122*

Laboratory Control Sample (LCS)

(LCS) R3698632-1 08/31/21 05:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	1.40	70.0	43.0-127	
Acenaphthene	2.00	1.36	68.0	42.0-120	
Acenaphthylene	2.00	1.47	73.5	43.0-120	
Benzo(a)anthracene	2.00	1.42	71.0	46.0-120	
Benzo(a)pyrene	2.00	1.34	67.0	44.0-122	
Benzo(b)fluoranthene	2.00	1.33	66.5	43.0-122	
Benzo(g,h,i)perylene	2.00	1.23	61.5	25.0-137	
Benzo(k)fluoranthene	2.00	1.30	65.0	39.0-128	
Chrysene	2.00	1.38	69.0	42.0-129	
Dibenz(a,h)anthracene	2.00	1.18	59.0	25.0-139	
Fluoranthene	2.00	1.36	68.0	48.0-131	

Laboratory Control Sample (LCS)

(LCS) R3698632-1 08/31/21 05:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	2.00	1.35	67.5	42.0-120	
Indeno(1,2,3-cd)pyrene	2.00	1.27	63.5	37.0-133	
Naphthalene	2.00	1.32	66.0	30.0-120	
Phenanthrene	2.00	1.37	68.5	42.0-120	
Pyrene	2.00	1.36	68.0	38.0-124	
1-Methylnaphthalene	2.00	1.33	66.5	43.0-120	
2-Methylnaphthalene	2.00	1.25	62.5	40.0-120	
2-Chloronaphthalene	2.00	1.31	65.5	39.0-120	
(S) Nitrobenzene-d5			*71.5*	*11.0-135*	
(S) 2-Fluorobiphenyl			*68.5*	*32.0-120*	
(S) p-Terphenyl-d14			*78.5*	*23.0-122*	

L1396364-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396364-01 08/31/21 09:45 • (MS) R3698632-3 08/31/21 10:02 • (MSD) R3698632-4 08/31/21 10:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	2.02	U	1.64	1.26	81.2	66.3	1.01	28.0-120		J3	26.2	25
Acenaphthene	2.02	U	1.67	1.35	82.7	71.1	1.01	16.0-120			21.2	25
Acenaphthylene	2.02	U	1.76	1.45	87.1	76.3	1.01	16.0-121			19.3	26
Benzo(a)anthracene	2.02	0.0600	1.59	0.994	75.7	49.2	1.01	19.0-125		J3	46.1	26
Benzo(a)pyrene	2.02	0.0870	1.38	0.794	64.0	37.2	1.01	10.0-126		J3	53.9	32
Benzo(b)fluoranthene	2.02	0.0885	1.43	0.820	66.4	38.5	1.01	10.0-125		J3	54.2	36
Benzo(g,h,i)perylene	2.02	0.134	0.665	0.406	26.3	14.3	1.01	10.0-128		J3	48.4	37
Benzo(k)fluoranthene	2.02	0.0950	1.35	0.778	62.1	35.9	1.01	10.0-124		J3	53.8	32
Chrysene	2.02	0.0721	1.58	1.00	74.6	48.8	1.01	18.0-127		J3	45.0	26
Dibenz(a,h)anthracene	2.02	0.119	0.505	0.273	19.1	8.11	1.01	10.0-132		J3 J6	59.6	43
Fluoranthene	2.02	0.0247	1.59	1.14	77.5	58.7	1.01	37.0-122		J3	33.0	23
Fluorene	2.02	U	1.64	1.29	81.2	67.9	1.01	20.0-120			23.9	26
Indeno(1,2,3-cd)pyrene	2.02	0.130	0.743	0.535	30.3	21.3	1.01	10.0-130			32.6	38
Naphthalene	2.02	U	1.64	1.33	81.2	70.0	1.01	14.0-120		J3	20.9	20
Phenanthrene	2.02	U	1.66	1.28	82.2	67.4	1.01	26.0-120		J3	25.9	24
Pyrene	2.02	0.0274	1.65	1.17	80.3	60.1	1.01	29.0-120		J3	34.0	24
1-Methylnaphthalene	2.02	U	1.60	1.28	79.2	67.4	1.01	10.0-145			22.2	24
2-Methylnaphthalene	2.02	U	1.51	1.22	74.8	64.2	1.01	10.0-143			21.2	24
2-Chloronaphthalene	2.02	U	1.57	1.28	77.7	67.4	1.01	16.0-120			20.4	25
(S) Nitrobenzene-d5					*86.6*	*82.6*		*11.0-135*				
(S) 2-Fluorobiphenyl					*80.2*	*67.9*		*32.0-120*				
(S) p-Terphenyl-d14					*94.6*	*58.4*		*23.0-122*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

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	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

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

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

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

Company Name/Address:
Arcadis - Chevron - AK

880 H St.
Anchorage, AK 99501

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

Pres Chk

Report to:
Sydney Clark

Email To:
Sydney.Clark@arcadis.com;Nicole.Monroe@arc

Project Description:
97324

City/State Collected: **Anchorage, Ak**

Please Circle: PT MT CT ET (AKST)

Phone: **907-276-8095**

Client Project #
30063667.19.21

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 ___ 10 Day (Rad Only)
___ Three Day X Standard

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	AK101 40mlAmb HCl	AK102 100ml Amb HCl	EDB/123TCP V524LL 40mlAmb-HCl	PAHs 8270ESIM 100ml Amb-NoPres	VOCs 8260D 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-2R-W-20210826	Grab	GW	—	8.26.21	1000	13	X	X	X	X	X		-01
MW-8R-W-20210826	Grab	GW	—	8.26.21	1100	33	X	X	X		X	MS/MSD	-02
MW-1R-W-20210826	Grab	GW	—	8.26.21	1200	11	X	X	X		X		-03
MW-9-W-20210826	Grab	GW	—	8.26.21	1300	11	X	X	X		X		-04
BD-1-W-20210826	Grab	GW	—	8.26.21	—	13	X	X	X	X	X		-05
EQB-1-W-20210826	Grab	GW	—	8.26.21	1400	13	X	X	X	X	X		-06
Trip Blank	—	GW	—	8.26.21	—	3	X		X		X		-07
		GW											
		GW											

Chain of Custody Page 1 of 1

Pace Analytical®

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 # L1396394

Tab C148

Acctnum: **CHEVARCAK**

Template: **T193745**

Prelogin: **P868035**

PM: **110 - Brian Ford**

PB:

Shipped Via:

* 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 # 5217 3307 5928

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y	N
COC Signed/Accurate:		Y	N
Bottles arrive intact:		Y	N
Correct bottles used:		Y	N
Sufficient volume sent:		Y	N
If Applicable			
VOA Zero Headspace:		Y	N
Preservation Correct/Checked:		Y	N
RAD Screen <0.5 mR/hr:		Y	N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	8.27.21	0800		3
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.4+0.2=2.6 °C Bottles Received: 94
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8-28-21 Time: 0915
			B. Ballog	Hold: Condition: NCF / OK

APPENDIX D

Laboratory Data Review Checklist

Completed By:

Bhagyashree A Fulzele

Title:

Project Chemist

Date:

September 21, 2021

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Pace Analytical

Laboratory Report Number:

L1396394

Laboratory Report Date:

09/13/2021

CS Site Name:

Second Semi Annual 2021 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 CS 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 approved?

   Yes☐ No☐ N/A☒ Comments:

Not applicable.

2. Chain of Custody (CoC)

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. Correct analyses requested?

   Yes☒ No☐ N/A☐ Comments:

Yes.

3. Laboratory Sample Receipt Documentation

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

   Yes☒ No☐ N/A☐ Comments:

Yes.

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

   Yes☒ No☐ N/A☐ Comments:

Yes.

   c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?

   Yes☐ No☒ N/A☐ Comments:

No.

   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, etc.?

   Yes☒ No☐ N/A☐ Comments:

Yes.

e. Data quality or usability affected?

Comments:

Data quality/usability was not affected.

4. Case Narrative

a. Present and understandable?

Yes☒ No☐ N/A☐ Comments:

Yes.

b. 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. Correct analyses performed/reported as requested on COC?

Yes☒ No☐ N/A☐ Comments:

Yes.

b. All applicable holding times met?

Yes☒ No☐ N/A☐ Comments:

Yes.

c. All soils reported on a dry weight basis?

Yes☐ No☐ N/A☒ Comments:

Not applicable.

d. Are the reported LOQs less than the Cleanup Level or the minimum required detection level for the project?

Yes☒ No☐ N/A☐ Comments:

Yes.

e. Data quality or usability affected?

Data quality/usability was not affected.

6. QC Samples

a. Method Blank

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

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. All method blank results less than limit of quantitation (LOQ) or project specified objectives?

Yes☐ No☒ N/A☐ Comments:

No.

iii. If above LOQ or project specified objectives, what samples are affected?

Comments:

Method AK101: Compound TPHGAK C6 to C10 (30.3 J ug/L) was detected below the reporting limit in method blank batch WG1733662. A blank action level was established at five times of the reported blank concentration. Compound result in sample IDs MW-8RR-W-20210826, MW-1R-W-20210826 and MW-9-W-20210826 was qualified as non-detect (UB) at reporting limit. Method AK102: Compound AK102 DRO C10-C25 (455 J ug/L) was detected below the reporting limit in method blank batch WG1733645. A blank action level was established at five times of the reported blank concentration. Compound result in sample IDs MW-8RR-W-20210826, MW-1R-W-20210826 and MW-9-W-20210826 was qualified as non-detect (UB) at reporting limit. Method SW 846 8270D: Compounds benzo(a)anthracene (0.0202 J ug/L), fluoranthene (0.0183 J ug/L) and pyrene (0.0192 J ug/L) was detected below the reporting limit in method blank batch WG1731465. A blank action level was established at five times of the reported blank concentration. Compounds result in sample ID MW-2R-W-20210826 was qualified as non-detect (UB) at 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:

Method blank contamination considered as 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 – 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 – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

Not applicable.

iii. Accuracy – 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:

Method SW846 8260D: LCS recovery was greater than the control limit for compound acrolein in preparation batch WG1732971. The compound was non-detected in any of the associated samples; therefore, no other qualification was required.

LCS recovery was greater than the control limit for compounds isopropylbenzene and n-propylbenzene in preparation batch WG1732971. Compound result in the associated samples was qualified as estimated (J/UJ).

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? 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:

Accuracy: Compounds isopropylbenzene and n-propylbenzene result in sample IDs MW-2R-W-20210826, MW-8RR-W-20210826, MW-1R-W-20210826, MW-9-W-20210826, BD-1-W-20210826, EQB-1-W-20210826 and TRIP BLANK-20210826 was qualified as estimated (J/UJ).

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

Yes☒ No☐ N/A☐ Comments:

Yes.

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

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

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

Note: Leave blank if not required for project

i. Organics – 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-8RR-W-20210826 for Method AK101, AK102 and SW846 8260D.

ii. Metals/Inorganics – one MS and one MSD reported per matrix, analysis and 20 samples?

Yes☐ No☐ N/A☒ Comments:

Not applicable.

iii. Accuracy – 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:

Method SW846 8260D: MS and/or MSD recovery for compounds acrolein, chloroethane, dichlorodifluoromethane and trichlorofluoromethane exceeded in sample ID MW-8RR-W-20210826. Compounds result in associated sample was qualified as estimated (J/UJ).

iv. Precision – 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:

Method SW846 8260D: MS/MSD RPD for compounds benzene, carbon disulfide, carbon tetrachloride, chloroethane, chloroform, chloromethane, 2-chlorotoluene, dibromomethane, dichlorodifluoromethane, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, 1,1-dichloropropene, 2,2-dichloropropane, di-isopropyl ether, ethylbenzene, isopropylbenzene, 1,1,1,2-tetrachloroethane, toluene, 1,1,2-trichlorotrifluoroethane and trichloroethene were exceeded the control limit in sample MW-8RR-W-20210826. The compound result in associated sample was qualified as estimated (UJ/J).

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

Comments:

The MS/MSD RPD exceedance was observed for compound acetone in sample ID MW-8RR-W-20210826 and qualified as estimated (UJ/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. Data quality or usability affected? (Use comment box to explain.)

Comments:

MS/MSD recovery and RPD exceedance is considered minor and would result in the estimation of 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 – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R; 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. Data quality or usability affected?

Comments:

Data quality or usability was not affected.

e. Trip Blanks

i. 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 sample was collected as TRIP BLANK-20210826.

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes☒ No☐ N/A☐ Comments:

Yes.

iii. All results less than LOQ and project specified objectives?

Yes☐ No☒ N/A☐ Comments:

No.

iv. If above LOQ or project specified objectives, what samples are affected?

Comments:

Method AK101: Compound TPHGAK C6 to C10 (42.9 J ug/L) was detected below the reporting limit in TRIP BLANK-20210826. A blank action level was established at five times of the reported blank concentration. Compound result in sample IDs MW-8RR-W-20210826, MW-1R-W-20210826 and MW-9-W-20210826 was qualified as non-detect (UB) at reporting limit.

Method SW846 8260D: Compound naphthalene (1.24 J ug/L) was detected below the reporting limit in TRIP BLANK-20210826. A blank action level was established at five times of the reported blank concentration. Compound result in sample IDs MW-8RR-W-20210826 was qualified as non-detect (UB) at reporting limit.

v. Data quality or usability affected?

Comments:

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

f. Field Duplicate

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

Yes☒ No☐ N/A☐ Comments:

Yes.

ii. Submitted blind to lab?

Yes☒ No☐ N/A☐ Comments:

Field duplicate BD-1-W-20210826 was collected from sample MW-2R-W-20210826.

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

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

Where R_1 = Sample Concentration
R_2 = Field Duplicate Concentration

Yes☒ No☐ N/A☐ Comments:

Yes.

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

Comments:

Data quality/usability was not affected.

g. Decontamination or Equipment Blank (If not applicable, a comment stating why must be entered below)?

Yes☒ No☐ N/A☐ Comments:

Equipment blank sample was collected as EQB-1-W-20210826.

i. All results less than LOQ and project specified objectives?

Yes☐ No☒ N/A☐ Comments:

Yes.

ii. If above LOQ or project specified objectives, what samples are affected?

Comments:

None of the samples were affected.

iii. Data quality or usability affected?

Comments:

Data quality or usability was not affected.

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

a. Defined and appropriate?

Yes☒ No☐ N/A☐ Comments:

Method SW846 8260D: Continuing calibration for compounds 1,1,1,2-tetrachloroethane, bromoform, bromomethane, isopropylbenzene, n-propylbenzene and tetrachloroethene was responded low. Compounds result in sample IDs MW-2R-W-20210826, MW-8RR-W-20210826, MW-1R-W-20210826, MW-9-W-20210826, BD-1-W-20210826, EQB-1-W-20210826 and TRIP BLANK-20210826 was qualified as estimated (UJ/J). Continuing calibration for compound 1,2-dichloroethane was responded high. Detected compound result in sample IDs MW-2R-W-20210826, MW-1R-W-20210826 and BD-1-W-20210826 was qualified as estimated (J).