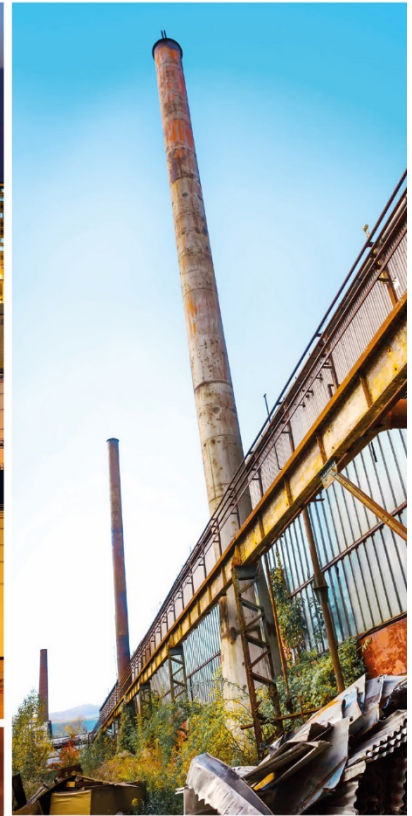




First Semiannual 2018 Groundwater Monitoring Report

Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska
ADEC File ID: 2100.26.003
Hazard ID: 23820


Chevron Environmental
Management Company





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Acronyms and Abbreviations

| | |
|---------|---|
| AAC | Alaska Administrative Code |
| ADEC | Alaska Department of Environmental Conservation |
| BTEX | benzene, toluene, ethylbenzene, and xylenes |
| COPCs | constituents of potential concern |
| CSM | conceptual site model |
| DRO | diesel range organics |
| ft btoc | feet below top of casing |
| EPA | Environmental Protection Agency |
| GAC | granulated active carbon |
| GRO | gasoline range organics |
| mg/L | milligrams per liter |
| No. | number |
| P.G. | Professional Geologist |
| ™ | trademark |
| UST | underground storage tank |
| VOC | volatile organic compounds |

1. Introduction

GHD is submitting this *First Semiannual 2018 Groundwater Monitoring Report* to the Alaska Department of Environmental Conservation (ADEC) on behalf of Chevron Environmental Management Company (Chevron) for Chevron-branded service station 95799. GHD performed groundwater monitoring and sampling in accordance with the ADEC's August 2017 *Field Sampling Guidance*. Reporting was performed by GHD in accordance with ADEC's March 7, 2017 *Site Characterization Work Plan and Reporting Guidance for Investigation of Contaminated Sites*.

Project objectives are to monitor current groundwater conditions to evaluate petroleum hydrocarbon attenuation.

1.1 Site Description and Background

The site is located at 2500 Seward Highway in Anchorage, Alaska (Figure 1). The property's legal description is LAMPERT BLK 4 LT 1A. The latitude and longitude are 61.197668^o north and 149.868651^o west. The site is an active Chevron-branded service station consisting of a station building, three underground storage tanks (USTs), product dispensers, and piping.

Land use surrounding the site is primarily commercial. Businesses are located to the north, south and west of the site. Residences are located to the east across Seward Highway.

Five onsite and two offsite groundwater monitoring wells are monitored and sampled semiannually (Figure 2). Site photographs are included in Appendix A.

1.2 Hydrogeology

The site is located in south central Alaska, between the northern Knik Arm and the southern Turnagain Arm of Cook Inlet. Historical static groundwater depths have ranged between 8.04 to 16.00 feet below top of casing (ft btoc) according to groundwater data collected since 1989. Static groundwater depths ranged from 10.68 (OS-3) to 14.17 ft btoc (MW-15) on June 6, 2018. Groundwater flow was to the northwest with a gradient of 0.01, which is consistent with historical data (Figure 2).

1.3 Conceptual Site Model

GHD completed a conceptual site model (CSM) for this site. Human health CSM scoping and graphics forms are included as Appendix B.

1.4 Constituents of Potential Concern - Cleanup Levels

Site constituents of potential concern (COPCs) are:

Table 1.1 Constituents of Potential Concern

| COPCs | ADEC Cleanup Levels | |
|---------|---------------------|--------------|
| | Groundwater (mg/L) | Soil (mg/kg) |
| DRO | 1.5 | 250 |
| Benzene | 0.0046 | 0.022 |

mg/L - milligrams per liter
mg/kg - milligrams per kilogram
DRO - diesel range organics
GRO - gas range organics

ADEC Table C Groundwater Cleanup Levels (Title 18 Alaska Administrative Code (AAC) 75.345) and ADEC Method Two Soil Cleanup Levels, Tables B1 and B2, under 40 inch zone, migration to groundwater (Title 18 AAC 75.341) are the default site cleanup levels for groundwater and soil.

2. Groundwater Monitoring and Sampling

GHD gauged groundwater monitoring wells MW-1R, MW-2R, MW-11R, MW-14, MW-15, OS-2, and OS-3 on June 6, 2018. Groundwater monitoring wells MW-1R, MW-2R, MW-11R, MW-15, OS-2, and OS-3 were sampled on June 6-7, 2018. GHD monitoring data package is presented in Appendix C.

2.1 Low Flow Purging and Sampling

Each monitoring well was opened and the cap removed to allow groundwater levels to stabilize and equilibrate. Depth to groundwater and total well depth was measured and recorded with a water level meter capable of 0.01 foot accuracy. A QED™ Sample Pro bladder pump with a self-contained compressor and control unit was used to purge groundwater from the well. Clean, disposable Teflon lined tubing and a bladder was used to purge the well and collect samples to minimize the risk of volatile contaminant absorption by the sampling equipment. Drawdown of the water table was continuously monitored during purging with a water level meter and the flow rate of the pump was adjusted so that drawdown was limited to 0.1 meter, or 0.3 feet. The intake of the pump was set as close as possible to the soil/groundwater interface and caution was exercised to ensure that the water table was within the screened interval of the well. Water quality parameters were continuously monitored during purging using a multi-parameter water quality meter equipped with a flow through cell and a turbidity meter. Water quality 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. A grab-groundwater sample was collected upon stabilization. Water quality parameters are considered stable when three successive readings are within the following ADEC limits:

- ± 3 percent for temperature (minimum of ± 0.2°C),
- ± 0.1 for pH,
- ± 3 percent for conductivity,

- ± 10 mv for redox potential,
- ± 10 percent for dissolved oxygen, and
- ± 10 percent of turbidity.

2.2 Data Quality

All field instruments were calibrated prior to mobilization according to the manufacturer's specifications and calibration was checked and documented onsite on a daily basis. Calibration forms are included in Appendix C. Field staff is trained in routine maintenance and operation of instrumentation. All reusable sampling equipment was decontaminated using a stiff brush and a solution of water and laboratory grade detergent. Equipment was rinsed twice in clean water and once with distilled or deionized water.

Samples analyzed for volatile organic compounds (VOCs) were collected before samples for non volatile compounds. Groundwater samples, including one duplicate per 10 samples collected were decanted into clean containers supplied by the analytical laboratory, placed on ice in an insulated cooler, and chilled to a temperature of approximately 4°C (+/-2°C). The coolers were sealed for transport and shipped to Eurofins Lancaster analytical laboratory under chain of custody. Laboratory data was qualified by a GHD chemist and an ADEC lab checklist was completed.

2.3 Purged Groundwater Disposal

Approximately 9.25 gallons of groundwater not used for sampling was filtered through granular activated carbon (GAC) and purged to the ground in the ADEC approved discharge areas within the planter areas surrounding the site to ensure infiltration and no offsite runoff.

3. Results and Findings

3.1 Groundwater Analytical Methods

Collected groundwater samples were analyzed for one or more of the following:

- DRO by Alaska Series Method AK 102
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by SW-846 Method 8260

3.2 Groundwater Sampling Results

DRO was detected above cleanup levels in well MW-11R at 1.8 mg/L and in the duplicate sample at 1.9 mg/L. Naphthalene was detected above cleanup levels in well MW-11R duplicate sample at 0.002 mg/L. No benzene was detected above cleanup levels in samples from onsite wells. Benzene was detected above cleanup levels in offsite well OS-2 at 0.016 mg/L and in the duplicate sample at 0.017 mg/L. Hydrocarbon concentrations in groundwater are presented in Figure 2. Current groundwater analytical data is presented in Table 1. Historical groundwater analytical data is presented in Table 2 and groundwater PAH analytical data is presented in Table 3. The laboratory analytical report is presented in Appendix D. Hydrocarbon concentration graphs are presented in Appendix E.

Based on the quality assurance/quality control review, the data submitted were judged to be acceptable for use without qualification. The ADEC Laboratory Data Review Checklist and memorandum are presented in Appendix F.

4. Conclusions and Recommendations

No petroleum hydrocarbons were detected above cleanup levels with the exception of DRO and naphthalene in MW-11R and benzene in OS-2. GHD will continue semiannual groundwater monitoring and sampling in 2018.



about GHD

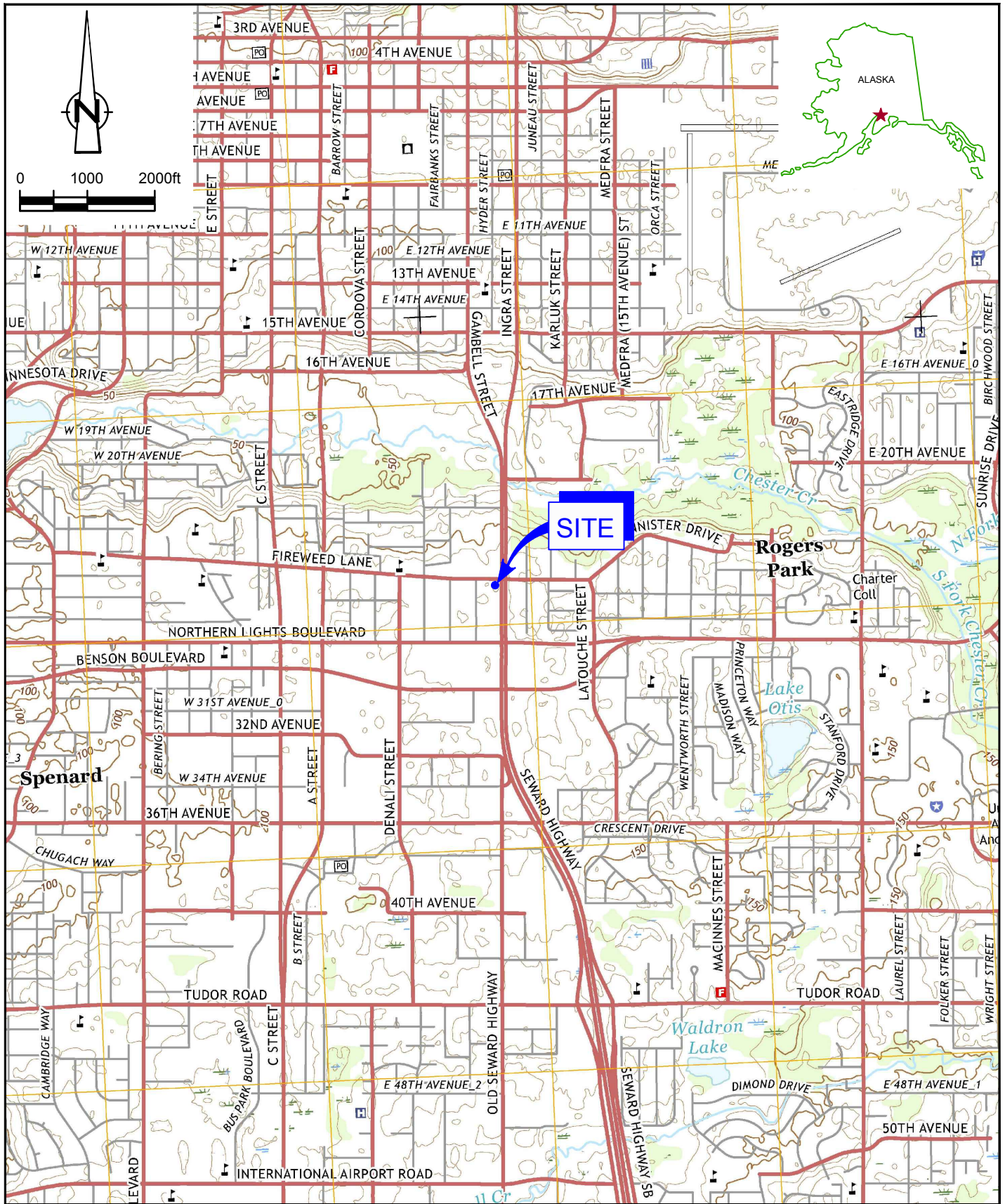
GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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Figures



SOURCE: USGS QUAD MAP; ANCHORAGE A-8 NW, AK, 2016.



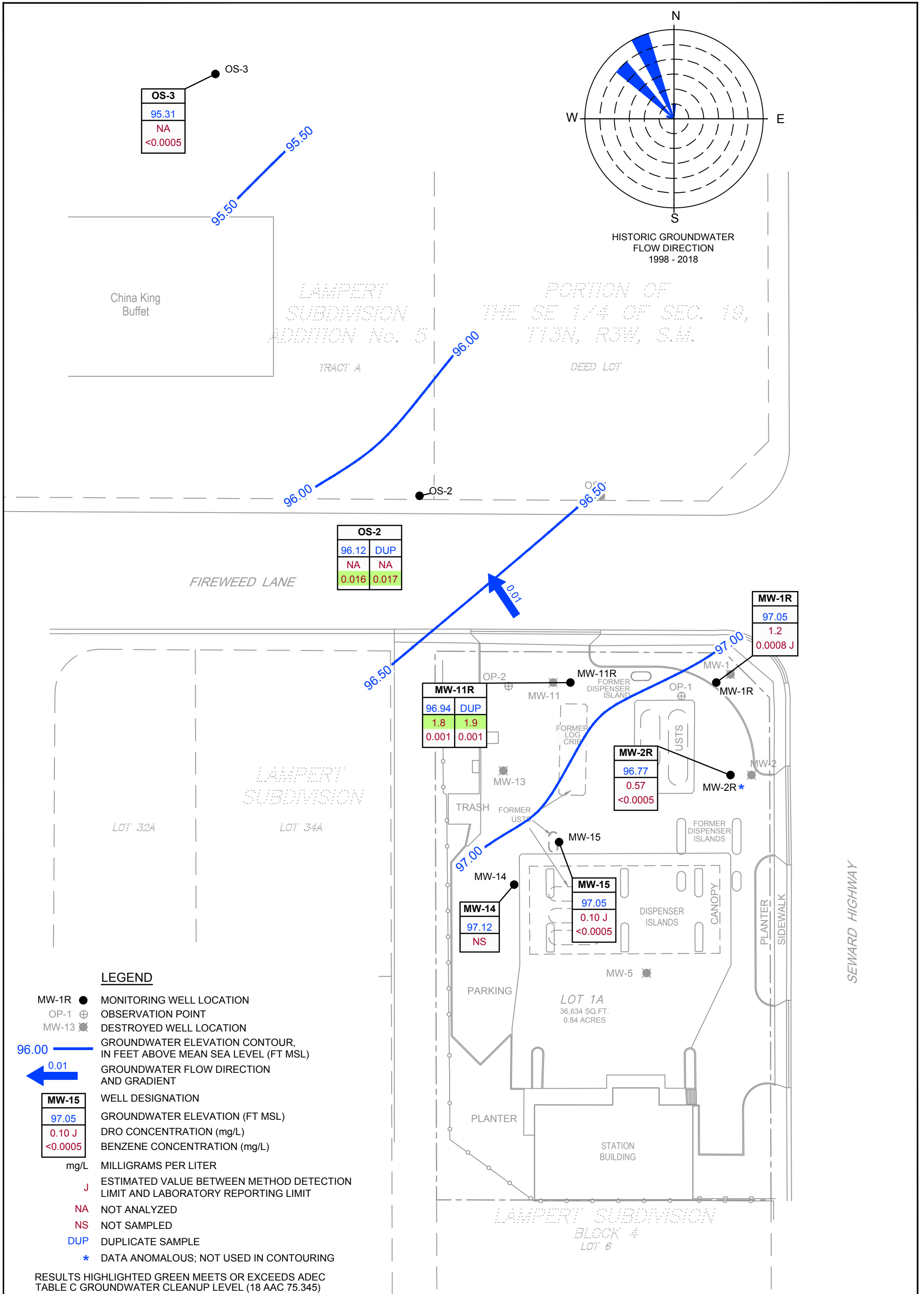
CHEVRON-BRANDED SERVICE STATION 95799
 2500 SEWARD HIGHWAY
 ANCHORAGE, ALASKA

620914-95

Jul 6, 2018

VICINITY MAP

FIGURE 1



CHEVRON-BRANDED SERVICE STATION 95799
2500 SEWARD HIGHWAY
ANCHORAGE, ALASKA

GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON
CONCENTRATION MAP - JUNE 6-7, 2018

620914-95
Jul 24, 2018

FIGURE 2

Tables

Table 1

**Current Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska**

| Location | Date | TOC ft msl | DTW ft btoc | GWE ft msl | HYDROCARBONS | | PRIMARY VOCS | | | |
|---|------------|---------------|----------------|---------------|------------------|-------------|----------------------|-------------------|----------------------|-----------------------|
| | | | | | DRO mg/L | GRO mg/L | Benzene mg/L | Toluene mg/L | Ethylbenzene mg/L | Total Xylenes mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 |
| MW-1R | 06/06/2018 | 110.10 | 13.05 | 97.05 | 1.2 | - | 0.0008 J | <0.0005 | <0.0005 | <0.0005 |
| MW-2R | 06/07/2018 | 109.85 | 13.08 | 96.77 | 0.57 | - | <0.0005 | <0.0005 | <0.0005 | 0.007 |
| MW-11R | 06/06/2018 | 110.15 | 13.21 | 96.94 | 1.8 / 1.9 | - | 0.001 / 0.001 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | 0.002 / 0.002 |
| MW-14 | 06/06/2018 | 110.90 | 13.78 | 97.12 | - | - | - | - | - | - |
| MW-15 | 06/06/2018 | 111.22 | 14.17 | 97.05 | 0.10 J | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| OS-2 | 06/07/2018 | 109.68 | 13.56 | 96.12 | - | - | 0.016 / 0.017 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0005 / <0.0005 |
| OS-3 | 06/07/2018 | 105.99 | 10.68 | 95.31 | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| QA | 06/07/2018 | - | - | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 |

Notes and Abbreviations

TOC = top of casing

DTW = depth to water

GWE = groundwater elevation

DRO = diesel range organics by Alaska Series Method AK102

GRO = gasoline range organics by Alaska Series Method AK101

Benzene, Toluene, Ethylbenzene, and Total Xylenes by Environmental Protection Agency (EPA) Method 8021B or 8260B or SW-E46 8021B

Total Xylenes = Sum of m-, o-, and p-xylenes

VOC = volatile organic compounds by EPA Method 524.2

ADEC = Alaska Department of Environmental Conservation

^a = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)**BOLD** = Indicates concentration above the ADEC Table C Groundwater Cleanup Level

ft msl = feet above mean sea level

ft btoc = feet below top of casing

mg/L = milligrams per liter

J = Estimated value

- = Not measured / not analyzed

<x = Constituent not detected above x milligrams per liter

x / y = Sample results / blind duplicate results

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|--------------|--------|---------|--------|--------------|------------|---------------|---------------------|--------------------|--------------------|-------------------|------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| MW-1 | 12/01/1989** | 99.49 | 13.53 | 85.96 | - | - | - | - | - | - | - | |
| MW-1 | 09/01/1990** | 99.49 | 13.84 | 85.65 | - | - | - | - | - | - | - | |
| MW-1 | 01/01/1991** | 99.49 | 14.40 | 85.09 | - | - | - | - | - | - | - | |
| MW-1 | 03/01/1991** | 99.49 | 14.66 | 84.83 | - | - | - | - | - | - | - | |
| MW-1 | 08/01/1991** | 99.49 | 14.41 | 85.08 | - | - | - | - | - | - | - | |
| MW-1 | 11/01/1991** | 99.49 | 14.11 | 85.38 | - | - | - | 0.021 | 0.003 | 0.036 | 0.072 | |
| MW-1 | 02/01/1992** | 99.49 | 14.40 | 85.09 | - | - | - | 0.018 | 0.011 | 0.027 | 0.063 | |
| MW-1 | 05/01/1992** | 99.49 | 13.26 | 86.23 | - | - | - | 0.016 | ND | 0.029 | 0.052 | |
| MW-1 | 08/01/1992 | 99.49 | 13.64 | 85.85 | - | - | - | 0.016 | ND | 0.03 | 0.055 | |
| MW-1 | 05/01/1993** | 99.49 | 13.56 | 85.93 | ND | - | 1.8 | 0.035 | 0.002 | 0.053 | 0.13 | |
| MW-1 | 08/01/1993** | 99.49 | 13.82 | 85.67 | ND | - | 1.3 | 0.06 | 0.002 | 0.051 | 0.089 | |
| MW-1 | 11/01/1993** | 99.41 | 13.64 | 85.77 | ND | - | 11.0 | 0.07 | 0.003 | 0.034 | 0.056 | |
| MW-1 | 03/01/1994** | 99.41 | 14.64 | 84.77 | ND | - | 0.89 | 0.033 | 0.0012 | 0.026 | 0.058 | |
| MW-1 | 06/01/1994** | 99.41 | 14.17 | 85.24 | ND | - | 1.6 | 0.034 | 0.0014 | 0.043 | 0.097 | |
| MW-1 | 08/01/1994** | 99.41 | 14.63 | 84.78 | ND | - | 0.82 | 0.011 | ND | 0.021 | 0.48 | |
| MW-1 | 12/13/1994 | 99.41 | 15.10 | 84.31 | - | - | 0.2 | 0.0007 | ND | 0.0031 | 0.0087 | |
| MW-1 | 03/22/1995 | 99.41 | 15.20 | 84.21 | - | - | ND | ND | ND | 0.00063 | 0.0028 | |
| MW-1 | 06/22/1995 | 99.41 | 14.18 | 85.23 | - | - | 0.68 | 0.0032 | 0.00059 | 0.0062 | 0.019 | |
| MW-1 | 08/28/1995 | 99.41 | 14.38 | 85.03 | - | - | 0.42 | 0.0026 | 0.0006 | 0.0053 | 0.016 | |
| MW-1 | 11/16/1995 | 99.41 | 14.48 | 84.93 | - | - | 0.48 | 0.0032 | ND | 0.0053 | 0.014 | |
| MW-1 | 01/31/1996 | 99.41 | 15.00 | 84.41 | - | - | 0.2 | 0.00097 | ND | 0.0019 | 0.0055 | |
| MW-1 | 06/01/1996 | 99.41 | 15.02 | 84.39 | - | - | 0.111 / 0.136 | 0.000633 / <0.0005 | <0.0005 / <0.0005 | 0.00107 / 0.000588 | 0.00366 / 0.00199 | |
| MW-1 | 08/21/1996 | 99.26 | 15.16 | 84.10 | - | - | 0.135 / 0.134 | 0.000709 / 0.000795 | <0.0005 / 0.000684 | 0.00111 / 0.00116 | 0.00412 / 0.0045 | |
| MW-1 | 10/15/1996 | 99.26 | 15.35 | 83.91 | - | - | 0.101 / 0.106 | 0.000727 / 0.000794 | <0.0005 / <0.0005 | 0.00061 / 0.000642 | 0.00296 / 0.00301 | |
| MW-1 | 04/28/1997 | 99.26 | 15.53 | 83.73 | - | - | <0.05 / <0.05 | <0.0005 / <0.0005 | <0.0005 / 0.000826 | <0.0005 / <0.0005 | <0.001 / <0.001 | |
| MW-1 | 09/07/1997 | 99.26 | 14.83 | 84.43 | - | - | <0.05 / <0.05 | <0.0005 / 0.000522 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.001 / <0.001 | |
| MW-1 | 04/21/1998 | 99.26 | 16.00 | 83.26 | - | - | <0.05 | <0.001 | <0.0005 | <0.0005 | <0.001 | |
| MW-1 | 09/23/1998 | 99.26 | - | - | - | - | - | - | - | - | - | |
| MW-1R | 06/18/2008 | - | 12.71 | - | - | 6.1 | 0.4 | 0.056 | 0.0006 | 0.005 | 0.002 | |
| MW-1R | 08/27/2008 | 109.64 | 12.95 | 96.69 | - | 3.6 | 0.3 | 0.085 | 0.001 | 0.009 | 0.005 | |
| MW-1R | 05/12/2009 | 109.64 | 13.03 | 96.61 | - | 1.4 | 0.17 | 0.018 | <0.0005 | 0.0047 | 0.0020 | |
| MW-1R | 08/27/2009 | 109.64 | 13.28 | 96.36 | - | 2.4 | 0.85 | 0.087 | 0.0027 | 0.014 | 0.0071 | |
| MW-1R | 06/16/2010 | 109.64 | 13.44 | 96.20 | - | 1.1 | 0.30 | 0.073 | 0.0016 J | 0.0048 | 0.0026 J | |
| MW-1R | 09/05/2010 | 109.64 | 13.45 | 96.19 | - | 1.6 | 0.30 | 0.071 | 0.0013 J | 0.0059 | 0.0021 J | |
| MW-1R | 05/22/2011 | 109.64 | 13.74 | 95.90 | - | 0.64 | 0.12 | 0.0071 | <0.0005 | <0.0005 | <0.0015 | |
| MW-1R | 09/18/2011 | 109.64 | 13.69 | 95.95 | - | 0.98 | 0.094 J | 0.0070 | <0.0005 | 0.0006 J | <0.0015 | |
| MW-1R | 05/23/2012 | 109.64 | 12.99 | 96.65 | - | 1.3 J | 0.12 | 0.0037 | <0.0005 | <0.0005 | <0.0015 | |
| MW-1R | 08/01/2012 | 109.64 | 13.24 | 96.40 | - | 1.2 | 0.11 | 0.0032 | <0.0005 | <0.0005 | <0.0015 | |
| MW-1R | 05/22/2013 | 109.64 | 12.08 | 97.56 | - | 2.5 | 0.068 J | 0.0010 J | <0.00023 | 0.0016 | 0.018 | |
| MW-1R ^{HS} | 05/22/2013 | 109.64 | 12.08 | 97.56 | - | 3.7 | 0.11 | 0.0016 | <0.00023 | 0.0027 | 0.025 | |
| MW-1R | 09/17/2013 | 109.64 | 11.68 | 97.96 | - | - | - | - | - | - | - | |
| MW-1R | 09/18/2013 | - | - | - | - | 5.8 | 0.099 J | 0.0035 | <0.00023 | 0.0013 | 0.0016 J | |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|-------------------------|--------|---------|--------|--------------|------------|---------------|---------------|--------------|--------------|---------------|---------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| MW-1R | 05/06/2014 | 109.64 | 12.02 | 97.62 | - | 2.7 | 0.12 | 0.0033 | 0.00020 J | 0.0055 | 0.0028 J | - |
| MW-1R | 11/05/2014 | 109.64 | 12.60 | 97.04 | - | 0.91 | 0.056 J | 0.0019 | <0.00011 | 0.0023 | <0.00040 | - |
| MW-1R | 05/01/2015 | 109.64 | 13.21 | 96.43 | - | <0.71 | 0.20 | 0.0021 | <0.0005 | 0.0055 | 0.0045 J | - |
| MW-1R | 11/20/2015 | 109.64 | 12.41 | 97.23 | - | 0.74 | 0.039 J | <0.0005 | 0.0007 J | 0.0008 J | 0.006 | - |
| MW-1R | 05/18/2016 | 109.64 | 13.00 | 96.64 | - | 1.0 | 0.16 | 0.002 | <0.0005 | 0.003 | 0.002 | - |
| MW-1R | 10/19/2016 | 109.64 | 13.40 | 96.24 | - | 0.87 | 0.14 | 0.001 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-1R | 05/25/2017 ¹ | 110.10 | 13.56 | 96.54 | - | 0.67 | 0.068 J | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-1R | 09/29/2017 | 110.10 | 13.42 | 96.68 | - | 0.81 | 0.074 J | 0.0007 J | <0.0005 | <0.0005 | <0.0005 | - |
| MW-1R | 06/06/2018 | 110.10 | 13.05 | 97.05 | - | 1.2 | - | 0.0008 J | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| MW-2 | 12/01/1989** | 99.17 | 13.05 | 86.12 | - | - | - | - | - | - | - | - |
| MW-2 | 09/01/1990** | 99.17 | 13.48 | 85.69 | - | - | - | - | - | - | - | - |
| MW-2 | 01/01/1991** | 99.17 | 13.91 | 85.26 | - | - | - | - | - | - | - | - |
| MW-2 | 03/01/1991** | 99.17 | 14.18 | 84.99 | - | - | - | - | - | - | - | - |
| MW-2 | 08/01/1991** | 99.17 | 13.92 | 85.25 | - | - | - | - | - | - | - | - |
| MW-2 | 11/01/1991** | 99.17 | 13.65 | 85.52 | - | - | - | 0.0016 | ND | ND | 0.0008 | - |
| MW-2 | 02/01/1992** | 99.17 | 13.98 | 85.19 | - | - | - | 0.0019 | ND | ND | ND | - |
| MW-2 | 05/01/1992** | 99.17 | 12.76 | 86.41 | - | - | - | 0.0018 | ND | ND | ND | - |
| MW-2 | 08/01/1992** | 99.17 | 13.13 | 86.04 | - | - | - | 0.0016 | 0.002 | 0.0009 | 0.0033 | - |
| MW-2 | 05/01/1993** | 99.17 | 12.89 | 86.28 | 3.0 | - | 0.18 | 0.076 | 0.0007 | 0.0005 | 0.002 | - |
| MW-2 | 08/01/1993** | 99.17 | 13.49 | 85.68 | ND | - | 0.49 | 0.037 | 0.17 | 0.003 | 0.02 | - |
| MW-2 | 11/01/1993** | 99.17 | 13.26 | 85.91 | ND | - | 0.33 | 0.011 | 0.074 | 0.003 | 0.017 | - |
| MW-2 | 03/01/1994** | 99.17 | 14.28 | 84.89 | 3.8 | - | 0.45 | 0.0024 | 0.003 | 0.016 | 0.082 | - |
| MW-2 | 06/01/1994** | 99.17 | 13.81 | 85.36 | ND | - | 0.41 | 0.0039 | 0.0013 | 0.025 | 0.094 | - |
| MW-2 | 08/01/1994** | 99.17 | 14.24 | 84.93 | ND | - | 0.36 | 0.0007 | 0.0022 | 0.025 | 0.072 | - |
| MW-2 | 12/13/1994 | 99.17 | 14.75 | 84.42 | 16.0 | - | 0.42 | 0.0008 | ND | 0.006 | 0.0076 | - |
| MW-2 | 03/22/1995 | 99.17 | 14.80 | 84.37 | 23.0 | - | 0.27 | ND | ND | 0.00091 | 0.0089 | - |
| MW-2 | 06/22/1995 | 99.17 | 13.79 | 85.38 | 5.0 | - | 0.18 | ND | 0.0055 | 0.007 | 0.031 | - |
| MW-2 | 08/28/1995 | 99.17 | 13.97 | 85.20 | 6.2 | - | 0.22 | ND | ND | 0.029 | 0.073 | - |
| MW-2 | 11/16/1995 | 99.17 | 14.09 | 85.08 | 4.0 | - | 0.29 | ND | ND | 0.037 | 0.045 | - |
| MW-2 | 01/31/1996 | 99.17 | 14.59 | 84.58 | 5.2 | - | 0.24 | ND | ND | 0.038 | 0.063 | - |
| MW-2 | 04/21/1998 | 99.17 | 14.60 | 84.57 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| MW-2 | 09/23/1998 | 99.17 | - | - | - | - | - | - | - | - | - | - |
| MW-2R | 06/18/2008 | - | 12.76 | - | - | 10 | 4.4 | 0.031 | 0.0008 | 0.020 | 0.74 | - |
| MW-2R | 08/27/2008 | 109.85 | 13.01 | 96.84 | - | 8.7 | 2.8 | 0.030 | <0.0005 | 0.013 | 0.373 | - |
| MW-2R | 05/12/2009 | 109.85 | 13.13 | 96.72 | - | 1.0 | 1.6 | 0.0089 | <0.0005 | 0.0053 | 0.099 | - |
| MW-2R | 08/27/2009 | 109.85 | 13.33 | 96.52 | - | 1.8 | 2.1 | 0.013 | <0.0005 | 0.0064 | 0.13 | - |
| MW-2R | 06/16/2010 | 109.85 | 13.53 | 96.32 | - | 1.6 | 0.23 | 0.0082 | <0.0005 | 0.0007 J | 0.018 | - |
| MW-2R | 09/05/2010 | 109.85 | 13.41 | - | - | 1.0 | 0.42 | 0.020 | <0.0005 | 0.0015 J | 0.036 | - |
| MW-2R | 05/22/2011 | 109.85 | 13.84 | 96.01 | - | 0.31 | 0.20 | 0.0028 | <0.0005 | 0.0006 J | 0.014 | - |
| MW-2R | 09/18/2011 | 109.85 | 13.76 | 96.09 | - | 14 | 1.3 | 0.0079 | <0.0005 | 0.0019 J | 0.096 | - |
| MW-2R | 05/23/2012 | 109.85 | 13.06 | 96.79 | - | 0.30 J | 0.057 J | <0.0005 | <0.0005 | <0.0005 | 0.0043 J | - |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|-------------------------|--------|---------|--------|--------------|------------|---------------|--------------|--------------|--------------|---------------|---------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| MW-2R | 08/01/2012 | 109.85 | 13.31 | 96.54 | - | 1.2 | 0.37 | <0.0005 | <0.0005 | 0.0006 J | 0.012 | - |
| MW-2R | 05/22/2013 | 109.85 | 12.15 | 97.70 | - | 1.5 | 0.13 | 0.00024 J | 0.00026 J | 0.0012 | 0.031 | - |
| MW-2R ^{HS} | 05/22/2013 | 109.85 | 12.15 | 97.70 | - | 1.9 | 0.15 | 0.00027 J | 0.00032 J | 0.0014 | 0.033 | - |
| MW-2R | 09/17/2013 | 109.85 | 11.71 | 98.14 | - | - | - | - | - | - | - | - |
| MW-2R | 09/18/2013 | - | - | - | - | 0.49 J | <0.050 | <0.00024 | <0.00023 | 0.00031 J | 0.0055 | - |
| MW-2R | 05/06/2014 | 109.85 | 12.02 | 97.83 | - | 2.0 | 0.16 | 0.00054 J | 0.00027 J | 0.00054 J | 0.037 | - |
| MW-2R | 11/05/2014 | 109.85 | 12.59 | 97.26 | - | 1.0 | 0.55 | 0.00057 J | 0.00036 J | 0.0010 | 0.046 | - |
| MW-2R | 05/01/2015 | 109.85 | 13.22 | 96.63 | - | <0.53 | 0.40 | <0.0005 | <0.0005 | 0.0006 J | 0.033 | - |
| MW-2R | 11/20/2015 | 109.85 | 12.46 | 97.39 | - | 0.21 J | 0.23 | <0.0005 | 0.002 | 0.001 | 0.022 | - |
| MW-2R | 05/18/2016 | 109.85 | 13.06 | 96.79 | - | 0.17 J | 0.037 J | <0.0005 | <0.0005 | <0.0005 | 0.001 | - |
| MW-2R | 10/19/2016 | 109.85 | 13.45 | 96.40 | - | 0.21 J | 0.11 | <0.0005 | <0.0005 | <0.0005 | 0.005 | - |
| MW-2R | 05/25/2017 ¹ | 109.85 | 13.61 | 96.24 | - | 1.4 | 0.53 | <0.0005 | <0.0005 | <0.0005 | 0.019 | - |
| MW-2R | 09/29/2017 | 109.85 | 13.49 | 96.36 | - | 0.24 J | 0.11 | <0.0005 | <0.0005 | <0.0005 | 0.005 | - |
| MW-2R | 06/07/2018 | 109.85 | 13.08 | 96.77 | - | 0.57 | - | <0.0005 | <0.0005 | <0.0005 | 0.007 | <0.0005 |
| MW-5 | 12/01/1989** | 100.06 | 13.79 | 86.27 | - | - | - | - | - | - | - | - |
| MW-5 | 09/01/1990** | 100.06 | 14.11 | 85.95 | - | - | - | - | - | - | - | - |
| MW-5 | 01/01/1991** | 100.06 | 14.70 | 85.36 | - | - | - | - | - | - | - | - |
| MW-5 | 03/01/1991** | 100.06 | 14.96 | 85.10 | - | - | - | - | - | - | - | - |
| MW-5 | 08/01/1991** | 100.06 | 14.71 | 85.35 | - | - | - | - | - | - | - | - |
| MW-5 | 11/01/1991** | 100.06 | 14.40 | 85.66 | - | - | - | ND | ND | ND | ND | - |
| MW-5 | 02/01/1992** | 100.06 | 14.72 | 85.34 | - | - | - | ND | ND | ND | ND | - |
| MW-5 | 05/01/1992** | 100.06 | 13.43 | 86.63 | - | - | - | ND | ND | ND | ND | - |
| MW-5 | 08/01/1992** | 100.06 | 13.81 | 86.25 | - | - | - | ND | ND | ND | ND | - |
| MW-5 | 05/01/1993** | 100.06 | 13.66 | 86.40 | ND | - | ND | 0.0006 | 0.0007 | ND | 0.001 | - |
| MW-5 | 08/01/1993** | 100.06 | 13.96 | 86.10 | - | - | ND | ND | ND | ND | ND | - |
| MW-5 | 11/01/1993** | 100.06 | 14.00 | 86.06 | - | - | ND | ND | ND | ND | ND | - |
| MW-5 | 06/22/1995 | 100.06 | 14.55 | 85.51 | - | - | - | - | - | - | - | - |
| MW-5 | 08/28/1995 | 99.91 | - | - | - | - | - | - | - | - | - | - |
| MW-5 | 04/21/1998 | 99.91 | 15.10 | 84.81 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| MW-5 | 09/23/1998 | 99.91 | - | - | - | - | - | - | - | - | - | - |
| MW-11 | 12/01/1989** | 99.19 | 13.36 | 85.83 | - | - | - | - | - | - | - | - |
| MW-11 | 09/01/1990** | 99.19 | 13.79 | 85.40 | - | - | - | - | - | - | - | - |
| MW-11 | 01/01/1991** | 99.19 | 14.29 | 84.90 | - | - | - | - | - | - | - | - |
| MW-11 | 03/01/1991** | 99.19 | 14.50 | 84.69 | - | - | - | - | - | - | - | - |
| MW-11 | 08/01/1991** | 99.19 | - | - | - | - | - | - | - | - | - | - |
| MW-11 | 11/01/1991** | 99.19 | 13.98 | 85.21 | - | - | - | 0.68 | 1.8 | 4.1 | 21.0 | - |
| MW-11 | 02/01/1992** | 99.19 | 14.22 | 84.97 | - | - | - | 0.59 | 1.3 | 0.71 | 3.7 | - |
| MW-11 | 05/01/1992** | 99.19 | 13.07 | 86.12 | - | - | - | 0.35 | 1.2 | 0.62 | 3.0 | - |
| MW-11 | 08/01/1992** | 99.19 | 13.38 | 85.81 | - | - | - | 0.29 | 1.4 | 0.98 | 4.7 | - |
| MW-11 | 12/01/1994** | 99.19 | - | - | - | - | - | - | - | - | - | - |
| MW-11 | 03/22/1995 | 99.19 | 15.50 | 83.69 | - | - | - | - | - | - | - | - |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|-------------------------|--------|---------|--------|--------------|----------------------|------------------|------------------------|-------------------------|----------------------|---------------------|-------------------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 |
| MW-11 | 06/22/1995 | 99.19 | 14.14 | 85.05 | 52.0 | - | 6.9 | 0.0063 | 0.021 | 0.061 | 0.53 | - |
| MW-11 | 08/28/1995 | 99.19 | 14.39 | 84.80 | 80.0 | - | 3.7 | 0.01 | 0.037 | 0.039 | 0.32 | - |
| MW-11 | 11/16/1995 | 99.19 | 14.50 | 84.69 | 20.0 | - | 5.0 | 0.008 | 0.019 | 0.035 | 0.26 | - |
| MW-11 | 01/31/1996 | 99.19 | 15.00 | 84.19 | 20.0 | - | 6.3 / 4.7 | 0.008 / 0.0085 | 0.018 / 0.019 | 0.029 / 0.029 | 0.18 / 0.18 | - |
| MW-11 | 06/01/1996 | 99.19 | 14.95 | 84.24 | 20.0 | - | 2.21 | 0.00528 | 0.0103 | 0.0198 | 0.152 | - |
| MW-11 | 08/21/1996 | 98.90 | 15.02 | 83.88 | 11.2 | - | 1.65 | 0.00424 | 0.00815 | 0.0159 | 0.103 | - |
| MW-11 | 10/15/1996 | 98.90 | 15.30 | 83.60 | 16.6 | - | 2.3 | 0.00478 | 0.00974 | 0.0155 | 0.104 | - |
| MW-11 | 04/28/1997 | 98.90 | 15.35 | 83.55 | 18.6 | - | 0.972 | 0.00351 | 0.00675 | 0.0072 | 0.0711 | - |
| MW-11 | 09/07/1997 | 98.90 | 14.68 | 84.22 | 4.2 | - | 1.42 | 0.00415 | 0.00567 | 0.0109 | 0.199 | - |
| MW-11 | 04/21/1998 | 98.90 | 14.75 | 84.15 | 3.4 | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | 0.00319 | - |
| MW-11 | 09/23/1998 | 98.90 | - | - | - | - | - | - | - | - | - | - |
| MW-11R | 06/18/2008 | - | 12.82 | - | - | 32 | 2.1 | 0.16 | 0.005 | 0.014 | 0.097 | - |
| MW-11R | 08/27/2008 | 109.64 | 13.07 | 96.57 | - | 25 / 21 | 1.5 / 1.8 | 0.23 / 0.23 | 0.002 / 0.002 | 0.006 / 0.006 | 0.040 / 0.039 | - |
| MW-11R | 05/12/2009 | 109.64 | 13.15 | 96.49 | - | 4.5 / 5.3 | 1.1 / 1.1 | 0.21 / 0.21 | 0.0009 / 0.001 | 0.0020 / 0.0020 | 0.0089 / 0.0089 | - |
| MW-11R | 08/27/2009 | 109.64 | 13.41 | 96.23 | - | 6.6 / 6.7 | 2.0 / 1.7 | 0.28 / 0.26 | 0.0023 / 0.0019 J | 0.0050 / 0.0042 | 0.030 / 0.025 | - |
| MW-11R | 06/16/2010 | 109.64 | 13.62 | 96.02 | - | 3.8 / 4.2 | 1.1 / 1.2 | 0.19 / 0.20 | 0.0021 / 0.0022 | 0.0028 / 0.0029 | 0.016 / 0.017 | - |
| MW-11R | 09/05/2010 | 109.64 | 14.53 | 95.11 | - | 2.5 / 2.3 | 1.1 / 1.1 | 0.21 / 0.22 | 0.0015 J / 0.0016 J | 0.0015 J / 0.0017 J | 0.0069 / 0.0079 | - |
| MW-11R | 05/22/2011 | 109.64 | 13.89 | 95.75 | - | 1.2 J / 2.0 J | 0.56 / 0.56 | 0.076 / 0.084 | 0.0009 J / 0.0009 J | 0.001 J / 0.0010 J | 0.0046 J / 0.0048 J | - |
| MW-11R | 09/18/2011 | 109.64 | 13.84 | 95.80 | - | 27 J / 4.6 J | 0.72 / 0.79 | 0.056 / 0.069 | 0.0008 J / 0.0009 J | 0.0011 J / 0.0011 J | 0.0090 / 0.0087 | - |
| MW-11R | 05/23/2012 | 109.64 | 13.14 | 96.50 | - | 4.1 J / 5.0 J | 0.63 / 0.62 | 0.040 / 0.038 | 0.0006 J / 0.0006 J | 0.0013 J / 0.0012 J | 0.0079 / 0.0072 | - |
| MW-11R | 08/01/2012 | 109.64 | 13.41 | 96.23 | - | 14 / 14 | 0.23 / 0.20 | 0.010 / 0.011 | <0.0005 / <0.0005 | 0.0006 J / 0.0007 J | 0.0040 J / 0.0043 J | - |
| MW-11R | 05/22/2013 | 109.64 | 12.13 | 97.51 | - | 3.3 / 2.6 | 0.55 / 0.54 | 0.023 / 0.022 | <0.00023 / <0.00023 | 0.0024 / 0.0023 | 0.010 / 0.010 | - |
| MW-11R ^{HS} | 05/22/2013 | 109.64 | 12.13 | 97.51 | - | 4.1 / 4.3 | 0.53 / 0.55 | 0.028 / 0.029 | 0.00029 J / 0.00030 J | 0.0025 / 0.0028 | 0.012 / 0.013 | - |
| MW-11R | 09/17/2013 | 109.64 | 11.73 | 97.91 | - | - | - | - | - | - | - | - |
| MW-11R | 09/18/2013 | - | - | - | - | 4.7 / 5.0 | 0.33 / 0.27 | 0.019 / 0.023 | 0.00049 J / 0.00048 J | 0.0018 / 0.0018 | 0.0090 / 0.0086 | - |
| MW-11R | 05/06/2014 | 109.64 | 12.13 | 97.51 | - | 2.4 / 2.4 | 0.32 / 0.34 | 0.012 / 0.013 | 0.00034 J / <0.00048 | 0.0014 / 0.0018 | 0.0077 / 0.0090 | - |
| MW-11R | 11/05/2014 | 109.64 | 12.72 | 96.92 | - | 1.2 / 1.1 | 0.38 / 0.33 | 0.0087 / 0.0093 | <0.00031 J / <0.00028 J | 0.0016 / 0.0015 | 0.0067 / 0.0065 | - |
| MW-11R | 05/01/2015 | 109.64 | 13.34 | 96.30 | - | <0.65 / <0.63 | 0.52 / 0.50 | 0.0066 / 0.0063 | <0.0005 / <0.0005 | 0.0014 J / 0.0014 J | <0.0080 / <0.0070 | - |
| MW-11R | 11/20/2015 | 109.64 | 12.58 | 97.06 | - | 2.5 / 2.3 | 0.44 / 0.45 | 0.004 / 0.004 | 0.007 / 0.007 | 0.005 / 0.005 | 0.036 / 0.035 | - |
| MW-11R | 05/18/2016 | 109.64 | 13.17 | 96.47 | - | 1.6 | 0.37 | 0.002 | <0.0005 | 0.0006 J | 0.003 | - |
| MW-11R | 10/19/2016 | 109.64 | 13.58 | 96.06 | - | <0.051J / 1.2 J | 0.25 / 0.27 | 0.003 / 0.002 | <0.0005 / <0.0005 | 0.0007 J / <0.0005 | 0.003 / 0.002 | - |
| MW-11R | 05/25/2017 ¹ | 110.15 | 13.74 | 96.41 | - | 1.1 / 1.3 | 0.47 / 0.43 | 0.001 J / 0.001 J | <0.0005 / <0.0005 | <0.0005 / <0.0005 | 0.002 / 0.002 | - |
| MW-11R | 09/29/2017 | 110.15 | 13.61 | 96.54 | - | 0.86 / 1.1 | 0.40 / 0.45 | 0.002 / 0.001 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | 0.001 / 0.001 | - |
| MW-11R | 06/06/2018 | 110.15 | 13.21 | 96.94 | - | 1.8 / 1.9 | - | 0.001 / 0.001 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | 0.002 / 0.002 | <0.0005 / <0.0005 |
| MW-12 | 08/01/1991** | 98.67 | 13.75 | 84.92 | - | - | - | - | - | - | - | - |
| MW-12 | 11/01/1991** | 98.67 | 13.39 | 85.28 | - | - | - | 0.0009 | 0.0038 | 0.0007 | 0.0044 | - |
| MW-12 | 02/01/1992** | 98.67 | 13.69 | 84.98 | - | - | - | ND | ND | ND | ND | - |
| MW-12 | 05/01/1992** | 98.67 | 12.47 | 86.20 | - | - | - | ND | ND | ND | ND | - |
| MW-12 | 08/01/1992** | 98.67 | 12.82 | 85.85 | - | - | - | ND | ND | ND | ND | - |
| MW-12 | 05/01/1993** | 98.67 | 12.66 | 86.01 | - | - | ND | ND | ND | ND | ND | - |
| MW-12 | 08/01/1993** | 98.67 | 12.97 | 85.70 | - | - | ND | ND | ND | ND | ND | - |

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Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|--------------|--------|---------|--------|--------------|--------------|---------------|-------------------|-------------------|-------------------|-----------------|------------------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| MW-12 | 11/01/1993** | 98.67 | 12.99 | 85.68 | - | - | 0.71 | ND | ND | ND | ND | - |
| MW-12 | 03/01/1994** | 98.67 | 14.12 | 84.55 | - | - | 0.37 | - | - | - | - | - |
| MW-12 | 06/01/1994** | 98.67 | 13.53 | 85.14 | - | - | ND | - | - | - | - | - |
| MW-12 | 08/01/1994** | 98.67 | 14.04 | 84.63 | - | - | ND | - | - | - | - | - |
| MW-12 | 12/13/1994 | 98.67 | - | - | - | - | - | - | - | - | - | - |
| MW-12 | 03/22/1995 | 98.67 | - | - | - | - | - | - | - | - | - | - |
| MW-12 | 06/22/1995 | 98.67 | 13.57 | 85.10 | - | - | ND | - | - | - | - | - |
| MW-12 | 08/28/1995 | 98.67 | 13.74 | 84.93 | - | - | ND | ND | ND | ND | ND | - |
| MW-12 | 11/16/1995 | 98.67 | 13.82 | 84.85 | - | - | ND | ND | ND | ND | ND | - |
| MW-12 | 01/31/1996 | 98.67 | 14.25 | 84.42 | - | - | ND | ND | ND | ND | ND | - |
| MW-12 | 04/28/1997 | 98.67 | 14.98 | 83.69 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | 0.00168 | - |
| MW-12 | 04/21/1998 | 98.67 | - | - | - | - | - | - | - | - | - | - |
| MW-12 | 09/23/1998 | 98.67 | - | - | - | - | - | - | - | - | - | - |
| MW-13 | 07/03/1999 | 109.98 | 14.24 | 95.74 | - | - | 0.804 | 0.00178 | 0.00623 | 0.0273 | 0.235 | <0.01 |
| MW-13 | 10/12/1999 | 109.98 | 13.93 | 96.05 | - | - | 1.44 | <0.005 | <0.005 | 0.0256 | 0.175 | <0.05 |
| MW-13 | 05/17/2000 | 109.98 | 13.43 | 96.55 | - | - | 1.020 / <0.08 | 0.00103 / <0.0005 | 0.00213 / <0.0005 | 0.00485 / <0.0005 | 0.0456 / <0.001 | <0.002 / <0.002 |
| MW-13 | 09/26/2000 | 109.98 | 13.51 | 96.47 | - | - | - | <0.00132 | <0.00058 | <0.00089 | <0.0445 | <0.001 |
| MW-13 | 05/04/2001 | 109.98 | 13.52 | 96.46 | - | - | 0.498 | 0.00119 | 0.00114 | 0.0023 | 0.0163 | 0.00133 / <0.005 |
| MW-13 | 10/03/2001 | 109.98 | 13.94 | 96.04 | - | - | 0.35 | 0.000798 | 0.000608 | 0.00112 | 0.0112 | 0.00112 |
| MW-13 | 05/07/2002 | 109.98 | 14.91 | 95.07 | - | 0.579 / 0.73 | 0.362 | 0.000786 | 0.00069 | 0.000849 | 0.00645 | <0.001 |
| MW-13 | 09/19/2002 | 109.98 | 14.00 | 95.98 | - | 0.594 | 0.273 | 0.00037 | <0.0005 | <0.0005 | 0.00439 | <0.001 / <0.002 |
| MW-13 | 05/29/2003 | 109.98 | 14.33 | 95.65 | - | 0.61 | 0.16 | <0.0005 | <0.0005 | <0.0005 | <0.001 | <0.002 |
| MW-13 | 10/01/2003 | 109.98 | 14.39 | 95.59 | - | - | - | - | - | - | - | - |
| MW-13 | 06/02/2004 | 109.98 | 13.56 | 96.42 | - | - | - | - | - | - | - | - |
| MW-13 | 09/20/2004 | 109.98 | 13.95 | 96.03 | - | - | - | - | - | - | - | - |
| MW-13 | 05/12/2005 | 109.98 | - | - | - | - | - | - | - | - | - | - |
| MW-14 | 09/05/2010 | - | 14.18 | - | - | 0.16 J | 0.38 | 0.022 | <0.0005 | 0.076 | 0.058 | - |
| MW-14 | 05/22/2011 | - | 14.60 | - | - | 0.26 J | 0.043 J | 0.0082 | <0.0005 | 0.0047 | <0.0015 | - |
| MW-14 | 09/18/2011 | - | 14.50 | - | - | <0.50 | 0.011 J | 0.0034 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-14 | 05/23/2012 | - | 13.83 | - | - | 1.6 | 0.049 J | 0.0039 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-14 | 08/01/2012 | - | 14.03 | - | - | 0.42 | 0.020 J | 0.0039 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-14 | 05/22/2013 | - | 12.70 | - | - | 0.82 | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| MW-14 ^{HS} | 05/22/2013 | - | 12.70 | - | - | 1.4 | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| MW-14 | 09/17/2013 | - | 12.28 | - | - | - | - | - | - | - | - | - |
| MW-14 | 09/18/2013 | - | - | - | - | 1.1 | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| MW-14 | 05/06/2014 | - | 12.60 | - | - | 0.24 J | <0.050 | 0.00031 J | <0.00011 | <0.00016 | <0.00040 | - |
| MW-14 | 11/05/2014 | - | 13.18 | - | - | 0.29 J | <0.050 | 0.00018 J | <0.00011 | <0.00016 | <0.00040 | - |
| MW-14 | 05/01/2015 | - | 13.85 | - | - | <0.053 | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-14 | 11/20/2015 | - | - | - | - | - | - | - | - | - | - | - |
| MW-14 | 05/18/2016 | - | 13.75 | - | - | <0.051 | <0.01 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-14 | 10/19/2016 | - | 14.22 | - | - | 0.058 J | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|-------------------------|--------|---------|--------|--------------|-----------------|---------------|-------------------|-------------------|-------------------|--------------------|-------------------------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| MW-14 | 05/25/2017 ¹ | 110.90 | 14.33 | 96.57 | - | 0.089 J | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-14 | 09/29/2017 | 110.90 | 14.22 | 96.68 | - | 0.063 J | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-14 | 06/06/2018 | 110.90 | 13.78 | 97.12 | - | - | - | - | - | - | - | - |
| MW-15 | 09/05/2010 | - | 14.58 | - | - | 0.56 | 0.010 J | 0.0007 J | <0.0005 | <0.0005 | <0.0015 | - |
| MW-15 | 05/22/2011 | - | 14.97 | - | - | 0.18 J | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-15 | 09/18/2011 | - | 14.89 | - | - | <0.50 | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-15 | 05/23/2012 | - | 14.22 | - | - | 0.21 J | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-15 | 08/01/2012 | - | 14.22 | - | - | 0.22 J | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-15 | 05/22/2013 | - | 13.11 | - | - | 0.22 J | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| MW-15 ^{HS} | 05/22/2013 | - | 13.11 | - | - | 0.84 | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| MW-15 | 09/17/2013 | - | 12.70 | - | - | - | - | - | - | - | - | - |
| MW-15 | 09/18/2013 | - | - | - | - | 1.0 | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| MW-15 | 05/06/2014 | - | 13.02 | - | - | 0.099 J | <0.050 | <0.00015 | <0.00011 | <0.00016 | <0.00040 | - |
| MW-15 | 11/05/2014 | - | 13.62 | - | - | 0.19 J | <0.050 | <0.00015 | <0.00011 | <0.00016 | <0.00040 | - |
| MW-15 | 05/01/2015 | - | 14.25 | - | - | <0.057 | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| MW-15 | 11/20/2015 | - | 13.50 | - | - | 1.7 | 39 | 0.043 | 4.4 | 1.3 | 7.8 | - |
| MW-15 | 05/18/2016 | - | 14.13 | - | - | 0.15 J / 0.19 J | 1.0 / 1.1 | <0.0005 / <0.0005 | 0.004 / 0.004 | 0.003 / 0.003 | 0.30 / 0.29 | - |
| MW-15 | 10/19/2016 | - | 14.58 | - | - | 0.060 J | 0.028 J | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-15 | 05/25/2017 ¹ | 111.22 | 14.73 | 96.49 | - | <0.052 | <0.01 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-15 | 09/29/2017 | 111.22 | 14.60 | 96.62 | - | 0.48 | 0.037 J | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| MW-15 | 06/06/2018 | 111.22 | 14.17 | 97.05 | - | 0.10 J | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| OS-1 | 09/01/1990** | 98.97 | 13.66 | 85.31 | - | - | - | - | - | - | - | - |
| OS-1 | 01/01/1991** | 98.97 | 14.16 | 84.81 | - | - | - | - | - | - | - | - |
| OS-1 | 03/01/1991** | 98.97 | 14.39 | 84.58 | - | - | - | - | - | - | - | - |
| OS-1 | 08/01/1991** | 98.97 | 14.23 | 84.74 | - | - | - | - | - | - | - | - |
| OS-1 | 11/01/1991** | 98.97 | 13.58 | 85.39 | - | - | - | ND | ND | ND | 0.003 | - |
| OS-1 | 02/01/1992** | 98.97 | 14.20 | 84.77 | - | - | - | 0.002 | ND | ND | 0.004 | - |
| OS-1 | 05/01/1992** | 98.97 | 13.03 | 85.94 | - | - | - | 0.015 | ND | 0.001 | 0.002 | - |
| OS-1 | 08/01/1992** | 98.97 | 13.38 | 85.59 | - | - | - | 0.06 | ND | 0.016 | 0.019 | - |
| OS-1 | 05/01/1993** | 98.97 | 13.20 | 85.77 | ND | - | 0.20 | 0.023 | ND | 0.013 | 0.032 | - |
| OS-1 | 08/01/1993** | 98.97 | 13.52 | 85.45 | ND | - | 0.22 | 0.028 | ND | 0.017 | 0.03 | - |
| OS-1 | 11/01/1993** | 98.97 | 13.46 | 85.51 | ND | - | 0.20 | 0.011 | 0.0005 | 0.007 | 0.02 | - |
| OS-1 | 03/01/1994** | 98.97 | 14.44 | 84.53 | ND | - | 1.70 | 0.012 | ND | 0.0011 | 0.011 | - |
| OS-1 | 06/01/1994** | 98.97 | 13.97 | 85.00 | ND | - | ND | 0.01 | ND | ND | 0.0064 | - |
| OS-1 | 08/01/1994** | 98.97 | 14.46 | 84.51 | ND | - | ND | 0.009 | ND | ND | 0.0075 | - |
| OS-1 | 04/21/1998 | 98.97 | 14.60 | 84.37 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-1 | 04/27/1999 | 98.97 | 13.91 | 85.06 | - | - | 0.114 | 0.00279 | 0.00124 | 0.00325 | 0.00603 | <0.005 |
| OS-1 | 10/12/1999 | 98.97 | 14.25 | 84.72 | - | - | <0.05 | 0.00205 | <0.0005 | <0.0005 | <0.0005 | <0.005 |
| OS-1 | 05/17/2000 | 98.97 | 13.75 | 85.22 | - | - | <0.08 | <0.0005 | <0.0005 | <0.0005 | <0.001 | <0.002 |
| OS-1 | 09/26/2000 | 98.97 | 13.90 | 85.07 | - | - | <0.05 / <0.05 | <0.0002 / 0.00246 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.001 / <0.001 | <0.001 / <0.001 |
| OS-1 | 05/04/2001 | 98.97 | 13.85 | 85.12 | - | - | 0.253 | 0.00772 | 0.000638 | 0.00331 | 0.00648 | 1.15 / <0.005 |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|--------------|--------|---------|--------|--------------|------------|---------------|--------------------------|-------------------|------------------|-------------------|----------------------------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 |
| OS-1 | 10/03/2001 | 98.97 | 14.26 | 84.71 | - | - | <0.05 | 0.00167 | <0.0005 | <0.0005 | <0.001 | <0.001 |
| OS-1 | 05/07/2002 | 98.97 | 14.56 | 84.41 | - | - | <0.05 | 0.000529 | <0.000577 | <0.0005 | <0.001 | <0.001 |
| OS-1 | 09/19/2002 | 98.97 | 14.32 | 84.65 | - | - | <0.05 | 0.000507 | <0.0005 | <0.0005 | <0.001 | <0.001 / <0.002 |
| OS-1 | 05/29/2003 | 98.97 | 14.64 | 84.33 | - | - | 0.012 | <0.0005 | <0.0005 | <0.0005 | <0.001 | <0.002 |
| OS-1 | 10/01/2003 | 98.97 | 14.73 | 84.24 | - | - | - | - | - | - | - | - |
| OS-1 | 06/02/2004 | 98.97 | 13.88 | 85.09 | - | - | - | - | - | - | - | - |
| OS-1 | 09/20/2004 | 98.97 | 14.10 | 84.87 | - | - | - | - | - | - | - | - |
| OS-1 | 05/12/2005 | 98.97 | 13.76 | 85.21 | - | - | - | - | - | - | - | - |
| OS-1 | 09/30/2005 | 98.97 | 13.76 | 85.21 | - | - | - | - | - | - | - | - |
| OS-1 | 05/15/2006 | 98.97 | 14.03 | 84.94 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-1 | 09/23/2006 | 98.97 | 13.58 | 85.39 | - | - | - | <0.0005 | <0.0007 | <0.0008 | <0.0016 | - |
| OS-1 | 05/16/2007 | 98.97 | 13.81 | 85.16 | - | - | - | 0.0007 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-1 | 08/15/2007 | 98.97 | - | - | - | - | - | - | - | - | - | - |
| OS-2 | 09/01/1990** | 98.55 | 13.40 | 85.15 | - | - | - | - | - | - | - | - |
| OS-2 | 01/01/1991** | 98.55 | 13.88 | 84.67 | - | - | - | - | - | - | - | - |
| OS-2 | 03/01/1991** | 98.55 | 14.13 | 84.42 | - | - | - | - | - | - | - | - |
| OS-2 | 08/01/1991** | 98.55 | 13.96 | 84.59 | - | - | - | - | - | - | - | - |
| OS-2 | 11/01/1991** | 98.55 | 13.87 | 84.68 | - | - | - | 0.56 | 0.097 | 0.069 | 0.25 | - |
| OS-2 | 02/01/1992** | 98.55 | 13.89 | 84.66 | - | - | - | 0.071 | 0.15 | 0.086 | 0.42 | - |
| OS-2 | 05/01/1992** | 98.55 | 12.72 | 85.83 | - | - | - | 0.038 | 0.072 | 0.062 | 0.29 | - |
| OS-2 | 08/01/1992** | 98.55 | 13.06 | 85.49 | - | - | - | 0.029 | 0.009 | 0.045 | 0.2 | - |
| OS-2 | 05/01/1993** | 98.55 | 12.86 | 85.69 | ND | - | 0.57 | 0.018 | 0.001 | 0.037 | 0.11 | - |
| OS-2 | 08/01/1993** | 98.55 | 13.19 | 85.36 | ND | - | 0.32 | 0.019 | ND | 0.032 | 0.052 | - |
| OS-2 | 11/01/1993** | 98.55 | 13.15 | 85.40 | ND | - | 0.73 | 0.022 | 0.006 | 0.037 | 0.081 | - |
| OS-2 | 03/01/1994** | 98.55 | 14.16 | 84.39 | 1.30 | - | 0.85 | 0.029 | 0.02 | 0.038 | 0.13 | - |
| OS-2 | 06/01/1994** | 98.55 | 13.69 | 84.86 | ND | - | 1.00 | 0.05 | 0.014 | 0.06 | 0.17 | - |
| OS-2 | 08/01/1994** | 98.55 | 14.19 | 84.36 | ND | - | 1.50 | 0.056 | 0.0072 | 0.066 | 0.19 | - |
| OS-2 | 12/13/1994 | 98.55 | - | - | - | - | - | - | - | - | - | - |
| OS-2 | 03/22/1995 | 98.55 | - | - | - | - | - | - | - | - | - | - |
| OS-2 | 06/22/1995 | 98.55 | 13.70 | 84.85 | 1.60 | - | 1.60 | 0.038 | 0.012 | 0.048 | 0.16 | - |
| OS-2 | 08/28/1995 | 98.55 | 13.86 | 84.69 | 6.30 | - | 1.50 | 0.048 | 0.0078 | 0.063 | 0.25 | - |
| OS-2 | 11/16/1995 | 98.55 | 13.96 | 84.59 | 1.80 | - | 1.70 | 0.045 | 0.002 | 0.051 | 0.16 | - |
| OS-2 | 01/31/1996 | 98.55 | 14.44 | 84.11 | 2.00 | - | 1.30 | 0.054 | 0.0018 | 0.053 | 0.14 | - |
| OS-2 | 06/01/1996 | 98.55 | 14.44 | 84.11 | - | - | 0.861 | 0.0463 | <0.0025 | 0.0447 | 0.0895 | - |
| OS-2 | 08/21/1996 | 98.55 | 14.71 | 83.84 | - | - | 0.739 | 0.0361 | 0.00129 | 0.0318 | 0.0609 | - |
| OS-2 | 10/15/1996 | 98.55 | 14.99 | 83.56 | - | - | 1.09 | 0.0437 | 0.00143 | 0.037 | 0.063 | - |
| OS-2 | 04/28/1997 | 98.55 | 14.95 | 83.60 | - | - | 0.687 | 0.0282 | 0.000719 | 0.0265 | 0.0255 | - |
| OS-2 | 09/07/1997 | 98.55 | 14.36 | 84.19 | - | - | 0.327 | 0.0234 | 0.00145 | 0.0289 | 0.0289 | - |
| OS-2 | 04/21/1998 | 98.55 | 14.42 | 84.13 | - | - | 0.332 | 0.0201 | <0.0005 | 0.0189 | 0.0137 | - |
| OS-2 | 04/27/1998 | 98.55 | 13.62 | 84.93 | - | - | 0.462 / 0.450 | 0.00772 / 0.00713 | 0.00242 / 0.00223 | 0.0135 / 0.0123 | 0.00954 / 0.00915 | 0.00534 / <0.005 / 0.00514 |
| OS-2 | 09/23/1998 | 98.55 | 14.16 | 84.39 | - | - | 0.233 / 0.248 | 0.017 / 0.0187 | <0.0005 / <0.0008 | 0.00856 / 0.0105 | <0.006 / 0.00663 | - |
| OS-2 | 10/12/1999 | 98.55 | 13.97 | 84.58 | - | - | 0.307 / 0.308 | 0.0107 / 0.011 | 0.00065 / 0.00075 | 0.0138 / 0.0148 | 0.00058 / 0.00062 | <0.005 / <0.005 |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|-------------------------|--------|---------|--------|--------------|------------|---------------|------------------------|---------------------|-------------------|-------------------|-------------------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| OS-2 | 05/17/2000 | 98.55 | 13.43 | 85.12 | - | - | 0.279 | 0.00912 | 0.000801 | 0.00419 | 0.00148 | <0.002 |
| OS-2 | 09/26/2000 | 98.55 | 13.55 | 85.00 | - | - | 0.268 | 0.0105 | <0.0015 | 0.00663 | <0.0113 | <0.001 |
| OS-2 | 05/04/2001 | 98.55 | 13.55 | 85.00 | - | - | <0.05 | <0.0002 | <0.0005 | <0.0005 | <0.001 | <0.001 |
| OS-2 | 10/03/2001 | 98.55 | 13.98 | 84.57 | - | - | 0.301 / 0.309 | 0.0104 / 0.0105 | 0.000854 / 0.000777 | 0.00834 / 0.00816 | 0.0101 / 0.0102 | 0.00124 / 0.00117 |
| OS-2 | 05/07/2002 | 98.55 | 14.25 | 84.30 | - | - | 0.314 | 0.0147 | 0.00127 | 0.0101 | 0.003 | <0.001 |
| OS-2 | 09/19/2002 | 98.55 | 14.03 | 84.52 | - | - | 0.231 | 0.0134 | 0.00527 | 0.00632 | 0.0018 | <0.001 / <0.002 |
| OS-2 | 05/29/2003 | 98.55 | 14.35 | 84.20 | - | - | 0.26 | 0.016 | <0.0005 | 0.003 | <0.001 | <0.002 |
| OS-2 | 10/01/2003 | 98.55 | 14.40 | 84.15 | - | - | - | 0.016 | <0.0005 | 0.002 | 0.0018 | - |
| OS-2 | 06/02/2004 | 98.55 | 13.59 | 84.96 | - | - | - | 0.02 | <0.0002 | 0.0004 | 0.0016 | - |
| OS-2 | 09/20/2004 | 98.55 | 13.86 | 84.69 | - | - | - | 0.042 | 0.0003 | 0.0007 | 0.0033 | - |
| OS-2 | 05/12/2005 | 98.55 | 13.43 | 85.12 | - | - | - | 0.74 | 0.0011 | 0.0009 | 0.0022 | - |
| OS-2 | 09/30/2005 | 98.55 | 13.41 | 85.14 | - | - | - | 0.74 | 0.0031 | 0.0023 | 0.0047 | - |
| OS-2 | 05/15/2006 | 98.55 | 13.71 | 84.84 | - | - | - | 0.19 | 0.003 | 0.004 | 0.011 | - |
| OS-2 | 09/23/2006 | 98.55 | 13.22 | 85.33 | - | - | - | 0.25 / 0.24 | <0.0007 / 0.0008 | 0.005 / 0.006 | 0.01 / 0.01 | - |
| OS-2 | 05/16/2007 | 98.55 | 13.48 | 85.07 | - | - | - | 0.130 / 0.130 | 0.002 / 0.002 | 0.005 / 0.005 | 0.01 / 0.01 | - |
| OS-2 | 08/15/2007 | 98.55 | 13.71 | 84.84 | - | - | 1.20 / 1.20 | 0.014 / 0.120 | 0.0009 / <0.0005 | 0.004 / 0.002 | 0.0088 / 0.005 | - |
| OS-2 | 06/18/2008 | 98.55 | 13.20 | 85.35 | - | - | 0.69 | 0.089 | 0.002 | 0.006 | 0.014 | - |
| OS-2 | 08/27/2008 | 109.68 | 13.44 | 96.24 | - | - | 0.83 | 0.073 | 0.002 | 0.006 | 0.015 | - |
| OS-2 | 05/12/2009 | 109.68 | 13.42 | 96.26 | - | - | 0.85 | 0.079 | 0.0018 | 0.0058 | 0.014 | - |
| OS-2 | 08/27/2009 | 109.68 | 13.75 | 95.93 | - | - | 0.92 | 0.12 | 0.0014 J | 0.0059 | 0.013 | - |
| OS-2 | 08/01/2012 | 109.68 | 13.79 | 95.89 | - | - | 0.90 | 0.15 | 0.0008 J | 0.0007 J | 0.0037 J | - |
| OS-2 | 05/22/2013 | 109.68 | 12.42 | 97.26 | - | - | 1.2 | 0.059 | 0.00051 J | <0.00024 | 0.0017 J | - |
| OS-2 ^{HS} | 05/22/2013 | 109.68 | 12.42 | 97.26 | - | - | 2.1 | 0.060 | 0.00060 J | <0.00024 | 0.0020 J | - |
| OS-2 | 09/17/2013 | 109.68 | 12.09 | 97.59 | - | - | - | - | - | - | - | - |
| OS-2 | 09/18/2013 | - | - | - | - | - | 1.6 | 0.0086 | <0.00023 | <0.00024 | <0.00072 | - |
| OS-2 | 05/06/2014 | 109.68 | 12.57 | 97.11 | - | - | 0.43 | 0.018 | <0.00011 | <0.00016 | <0.00040 | - |
| OS-2 | 11/05/2014 | - | - | - | - | - | - | - | Unable to Locate. | - | - | - |
| OS-2 | 05/01/2015 | 109.68 | - | - | - | - | - | - | - | - | - | - |
| OS-2 | 11/20/2015 | 109.68 | 12.94 | 96.74 | - | - | 0.30 | 0.013 | 0.002 | 0.002 | 0.011 | - |
| OS-2 | 05/18/2016 | 109.68 | 13.52 | 96.16 | - | - | 0.48 | 0.010 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-2 | 10/19/2016 | 109.68 | 13.93 | 95.75 | - | - | 0.57 | 0.024 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-2 | 05/25/2017 ¹ | 109.68 | 14.08 | 95.60 | - | - | 0.48 | 0.025 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-2 | 09/29/2017 | 109.68 | 13.94 | 95.74 | - | - | 0.37 | 0.021 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-2 | 06/07/2018 | 109.68 | 13.56 | 96.12 | - | - | - | 0.016 / 0.017 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0005 / <0.0005 |
| OS-3 | 08/01/1991** | 93.78 | 9.94 | 83.84 | - | - | - | - | - | - | - | - |
| OS-3 | 11/01/1991** | 93.78 | 9.50 | 84.28 | - | - | - | ND | ND | ND | ND | - |
| OS-3 | 02/01/1992** | 93.78 | 9.78 | 84.00 | - | - | - | ND | ND | ND | ND | - |
| OS-3 | 05/01/1992** | 93.78 | 8.81 | 84.97 | - | - | - | ND | ND | ND | ND | - |
| OS-3 | 08/01/1992** | 93.78 | 8.13 | 85.65 | - | - | - | 0.0005 | ND | ND | ND | - |
| OS-3 | 05/01/1993** | 93.78 | 8.89 | 84.89 | ND | - | ND | 0.002 | ND | ND | ND | - |
| OS-3 | 08/01/1993** | 93.78 | 9.21 | 84.57 | ND | - | ND | 0.005 | ND | ND | ND | - |
| OS-3 | 11/01/1993** | 93.78 | 9.10 | 84.68 | ND | - | ND | 0.003 | ND | ND | ND | - |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|--------------|--------|---------|--------|--------------|------------|---------------|----------------------|--------------------|-------------------|-------------------|-----------------------------------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| OS-3 | 03/01/1994** | 93.78 | 9.99 | 83.79 | ND | - | ND | 0.0041 | ND | ND | ND | - |
| OS-3 | 06/01/1994** | 93.78 | 9.59 | 84.19 | ND | - | ND | 0.002 | ND | ND | ND | - |
| OS-3 | 08/01/1994** | 93.78 | 10.09 | 83.69 | ND | - | ND | 0.0023 | ND | ND | ND | - |
| OS-3 | 12/13/1994 | 93.78 | 10.36 | 83.42 | - | - | ND | 0.0021 | ND | ND | ND | - |
| OS-3 | 03/22/1995 | 93.78 | 11.70 | 82.08 | ND | - | ND | 0.00056 | ND | ND | ND | - |
| OS-3 | 06/22/1995 | 93.78 | 9.57 | 84.21 | - | - | ND | ND | ND | ND | ND | - |
| OS-3 | 08/28/1995 | 93.78 | 9.76 | 84.02 | - | - | ND | ND | 0.00055 | ND | ND | - |
| OS-3 | 11/16/1995 | 93.78 | 9.88 | 83.90 | - | - | ND | ND | ND | ND | ND | - |
| OS-3 | 01/31/1996 | 93.78 | 10.29 | 83.49 | - | - | ND | ND | ND | ND | ND | - |
| OS-3 | 06/01/1996 | 93.78 | 10.27 | 83.51 | - | - | <0.05 | <0.0005 | 0.00154 | 0.000558 | 0.00364 | - |
| OS-3 | 08/21/1996 | 93.78 | 10.57 | 83.21 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-3 | 10/15/1996 | 93.78 | 10.71 | 83.07 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-3 | 04/28/1997 | 93.78 | 10.66 | 83.12 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-3 | 09/07/1997 | 93.78 | 10.24 | 83.54 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-3 | 04/21/1998 | 93.78 | 10.10 | 83.68 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-3 | 09/23/1998 | 93.78 | 10.31 | 83.47 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| OS-3 | 04/27/1999 | 93.78 | 9.67 | 84.11 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.005 |
| OS-3 | 10/12/1999 | 93.78 | 9.80 | 83.98 | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.005 |
| OS-3 | 05/17/2000 | 93.78 | 9.30 | 84.48 | - | - | <0.08 | <0.0005 | <0.0005 | <0.0005 | <0.001 | <0.002 |
| OS-3 | 09/26/2000 | 93.78 | 9.49 | 84.29 | - | - | <0.05 | <0.0002 | <0.0005 | <0.0005 | <0.001 | <0.001 |
| OS-3 | 05/04/2001 | 93.78 | 9.35 | 84.43 | - | - | <0.05 | 0.000645 | 0.000614 | <0.0005 | <0.001 | <0.001 |
| OS-3 | 10/03/2001 | 93.78 | 9.87 | 83.91 | - | - | <0.05 | <0.0002 | <0.0005 | <0.0005 | <0.001 | <0.001 |
| OS-3 | 05/07/2002 | 93.78 | 9.95 | 83.83 | - | - | <0.05 / <0.05 | 0.000219 / 0.000259 | 0.000947 / 0.00154 | <0.0005 / <0.0005 | <0.001 / <0.00138 | <0.001 / <0.001 |
| OS-3 | 09/19/2002 | 93.78 | 9.83 | 83.95 | - | - | <0.05 / <0.05 | <0.0002 / <0.0002 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.001 / <0.001 | <0.001 / <0.002 / <0.001 / <0.002 |
| OS-3 | 05/29/2003 | 93.78 | 10.19 | 83.59 | - | - | <0.01 / <0.01 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.001 / <0.001 | <0.002 / <0.002 |
| OS-3 | 10/01/2003 | 93.78 | 10.26 | 83.52 | - | - | - | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0015 / <0.0015 | - |
| OS-3 | 06/02/2004 | 93.78 | 9.48 | 84.30 | - | - | - | <0.0002 / <0.0002 | <0.0002 / <0.0002 | <0.0002 / <0.0002 | <0.0006 / <0.0006 | - |
| OS-3 | 09/20/2004 | 93.78 | 10.08 | 83.70 | - | - | - | <0.0002 / <0.0002 | <0.0002 / <0.0002 | <0.0002 / <0.0002 | <0.0006 / <0.0006 | - |
| OS-3 | 05/12/2005 | 93.78 | 9.34 | 84.44 | - | - | - | <0.0002 / <0.0002 | <0.0002 / <0.0002 | <0.0002 / <0.0002 | <0.0006 / <0.0006 | - |
| OS-3 | 09/30/2005 | 93.78 | 9.33 | 84.45 | - | - | - | 0.8 / <0.0002 | 0.0032 / <0.0002 | 0.0044 / <0.0006 | <0.0044 / <0.0006 | - |
| OS-3 | 05/15/2006 | 93.78 | 9.51 | 84.27 | - | - | - | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.0005 / <0.0005 | <0.001 / <0.001 | - |
| OS-3 | 09/23/2006 | 93.78 | - | - | - | - | - | - | - | - | - | - |
| OS-3 | 05/16/2007 | 93.78 | 9.27 | 84.51 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 08/15/2007 | 93.78 | 9.62 | 84.16 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <1.0 | - |
| OS-3 | 06/18/2008 | 93.78 | 9.11 | 84.67 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 08/27/2008 | 104.87 | 9.32 | 95.55 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 05/12/2009 | 104.87 | 9.15 | 95.72 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| OS-3 | 08/27/2009 | 104.87 | 9.50 | 95.37 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| OS-3 | 08/01/2012 | 104.87 | 9.63 | 95.24 | - | - | - | <0.0005 | <0.0005 | <0.0005 | 0.0041 J | - |
| OS-3 | 05/22/2013 | 104.87 | 8.23 | 96.64 | - | - | - | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| OS-3 ^{HS} | 05/23/2013 | 104.87 | 8.23 | 96.64 | - | - | - | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| OS-3 | 09/17/2013 | 104.87 | 8.04 | 96.83 | - | - | - | - | - | - | - | - |
| OS-3 | 09/18/2013 | - | - | - | - | - | - | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |

Table 2
Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|-------------------------|--------|---------|--------|--------------|------------|---------------|--------------|--------------|--------------|---------------|---------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| OS-3 | 05/06/2014 | 104.87 | - | - | - | - | - | - | - | - | - | - |
| OS-3 | 11/05/2014 | 104.87 | 10.40 | 94.47 | - | - | - | <0.00015 | <0.00011 | <0.00016 | <0.00040 | - |
| OS-3 | 05/01/2015 | 104.87 | 10.88 | 93.99 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| OS-3 | 11/20/2015 | 104.87 | 10.21 | 94.66 | - | - | - | <0.0005 | 0.003 | 0.003 | 0.024 | - |
| OS-3 | 05/18/2016 | 104.87 | 10.63 | 94.24 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 10/19/2016 | 104.87 | 11.02 | 93.85 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 05/25/2017 ¹ | 105.99 | 11.06 | 94.93 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 09/29/2017 | 105.99 | 10.63 | 95.36 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| OS-3 | 06/07/2018 | 105.99 | 10.68 | 95.31 | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| Trip Blank | 11/16/1995 | - | - | - | - | - | ND | ND | ND | ND | ND | - |
| Trip Blank | 06/01/1996 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| Trip Blank | 08/21/1996 | - | - | - | - | - | <0.05 | <0.0005 | 0.001 | <0.0005 | <0.001 | - |
| Trip Blank | 10/15/1996 | - | - | - | - | - | <0.05 | <0.0005 | 0.000713 | <0.0005 | <0.001 | - |
| Trip Blank | 04/28/1997 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| Trip Blank | 09/07/1997 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| Trip Blank | 04/21/1998 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| Trip Blank | 09/23/1998 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.001 | - |
| Trip Blank | 04/27/1999 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.005 |
| Trip Blank | 10/12/1999 | - | - | - | - | - | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.005 |
| Trip Blank | 05/17/2000 | - | - | - | - | - | <0.08 | <0.0005 | <0.0005 | <0.0005 | <0.001 | <0.002 |
| Trip Blank | 09/26/2000 | - | - | - | - | - | <0.05 | <0.0002 | 0.000957 | <0.0005 | <0.001 | <0.001 |
| Trip Blank | 05/04/2001 | - | - | - | - | - | <0.05 | - | - | - | - | - |
| Trip Blank | 10/03/2001 | - | - | - | - | - | <0.05 | <0.0002 | <0.0005 | <0.0005 | <0.001 | <0.001 |
| Trip Blank | 09/19/2002 | - | - | - | - | - | <0.05 | <0.0002 | 0.000756 | <0.0005 | 0.00119 | <0.001 |
| Trip Blank | 05/29/2003 | - | - | - | - | - | <0.01 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.002 |
| Trip Blank | 10/01/2003 | - | - | - | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 06/02/2004 | - | - | - | - | - | - | <0.0002 | <0.0002 | <0.0002 | <0.0006 | - |
| Trip Blank | 09/20/2004 | - | - | - | - | - | - | <0.0002 | <0.0002 | <0.0002 | <0.0006 | - |
| Trip Blank | 05/12/2005 | - | - | - | - | - | - | <0.0002 | <0.0002 | <0.0002 | <0.0006 | - |
| Trip Blank | 09/30/2005 | - | - | - | - | - | - | <0.0002 | <0.0002 | <0.0002 | <0.0006 | - |
| Trip Blank | 05/15/2006 | - | - | - | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 09/23/2006 | - | - | - | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |
| Trip Blank | 08/27/2008 | - | - | - | - | - | <0.01 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 04/29/2009 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 08/19/2009 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 06/10/2010 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 08/27/2010 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 05/22/2011 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 09/12/2011 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 05/23/2012 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 08/01/2012 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank-1 | 05/22/2013 | - | - | - | - | - | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |

Table 2

**Historical Groundwater Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska**

| Location | Date | TOC | DTW | GWE | HYDROCARBONS | | | PRIMARY VOCS | | | | |
|---|------------|--------|---------|--------|--------------|------------|---------------|--------------|--------------|--------------|---------------|---------|
| | | | | | TPH | DRO | GRO | Benzene | Toluene | Ethylbenzene | Total Xylenes | MTBE |
| | Units | ft msl | ft btoc | ft msl | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | | | | 1.5 | 2.2 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | |
| Trip Blank-2 | 05/22/2013 | - | - | - | - | - | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| Trip Blank | 09/18/2013 | - | - | - | - | - | <0.050 | <0.00024 | <0.00023 | <0.00024 | <0.00072 | - |
| Trip Blank | 05/06/2014 | - | - | - | - | - | <0.050 | <0.00015 | <0.00011 | <0.00016 | <0.00040 | - |
| Trip Blank | 11/05/2014 | - | - | - | - | - | <0.050 | <0.00015 | 0.00023 J | <0.00016 | <0.00040 | - |
| Trip Blank | 05/01/2015 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0015 | - |
| Trip Blank | 11/20/2015 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 05/18/2016 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 10/19/2016 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 05/25/2017 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 09/29/2017 | - | - | - | - | - | <0.010 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | - |
| Trip Blank | 06/07/2018 | - | - | - | - | - | - | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 |

Notes and Abbreviations

TOC = top of casing

DTW = depth to water

GWE = groundwater elevation

TPH = total petroleum hydrocarbons

DRO = diesel range organics by Alaska Series Method AK102

GRO = gasoline range organics by Alaska Series Method AK101

Benzene, Toluene, Ethylbenzene, and Total Xylenes by Environmental Protection Agency (EPA) Method 8021B or 8260B or SW-E46 8021B

Total Xylenes = Sum of m-, o-, and p-xylenes

VOC = volatile organic compounds by EPA Method 524.2

MTBE = methyl tert-butyl ether

ADEC = Alaska Department of Environmental Conservation

^a = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)**BOLD** = Indicates concentration above the ADEC Table C Groundwater Cleanup Level

ft msl = feet above mean sea level

ft btoc = feet below top of casing

mg/L = milligrams per liter

J = Estimated value

- = Not measured / not analyzed

<x = Constituent not detected above x milligrams per liter

x / y = Sample results / blind duplicate results

ND = Not detected above laboratory method detection limits

HS = collected via hydrosleeve

** = the date was defaulted to the first of the month because the historical didn't give a specific date, only month and year

1 = Wells re-surveyed November 17, 2016 by Lounsbury and Associates, Inc.

Table 3
Groundwater PAH Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date | PAH | | | | | | | |
|---|------------|-----------------------|------------------------|------------------------|----------------------------|------------------------|------------------------------|------------------------------|------------------------------|
| | | Acenaphthene mg/L | Acenaphthylene mg/L | Anthracene mg/L | Benzo(a)anthracene mg/L | Benzo(a)pyrene mg/L | Benzo(b)fluoranthene mg/L | Benzo(g,h,i)perylene mg/L | Benzo(k)fluoranthene mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | 0.53 | 0.26 | 0.043 | 0.00012 | 0.000034 | 0.00034 | 0.00026 | 0.0008 |
| MW-1R | 06/06/2018 | 0.0002 | 0.00002 J | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |
| MW-2R | 06/16/2010 | 0.000028 J | <0.0000095 | <0.0000095 | <0.0000095 | <0.0000095 | <0.0000095 | <0.0000095 | <0.0000095 |
| MW-2R | 06/07/2018 | <0.00001 | 0.00002 J | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |
| MW-11R | 06/16/2010 | 0.000067 / 0.000061 | <0.000070 / <0.000060 | 0.000011 J / <0.000010 | 0.000021 J / 0.000018 J | <0.0000098 / <0.000010 | 0.000032 J / 0.000012 J | 0.000020 J / 0.000014 J | <0.0000098 / <0.000010 |
| MW-11R | 06/06/2018 | 0.0003 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | 0.00002 J / 0.00003 J | 0.00001 J / 0.00002 J | <0.00001 / <0.00001 |
| MW-15 | 06/06/2018 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 |
| OS-2 | 06/07/2018 | 0.00004 J / 0.00003 J | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 |
| OS-3 | 06/07/2018 | <0.00001 | <0.00001 | <0.00001 | 0.00002 J | 0.00002 J | 0.00006 | 0.00004 J | 0.00002 J |

Table 3
Groundwater PAH Analytical Results
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

| Location | Date Units | PAH | | | | | | | |
|---|---------------|-------------------------|-------------------------------|-------------------------|-----------------------|--------------------------------|-----------------------|----------------------|-------------------------|
| | | Chrysene mg/L | Dibenz(a,h)anthracene mg/L | Fluoranthene mg/L | Fluorene mg/L | Indeno(1,2,3-cd)pyrene mg/L | Naphthalene mg/L | Phenanthrene mg/L | Pyrene mg/L |
| ADEC Groundwater Cleanup Levels 2017^a | | 0.002 | 0.000034 | 0.26 | 0.29 | 0.00019 | 0.0017 | 0.17 | 0.12 |
| MW-1R | 06/06/2018 | <0.00001 | <0.00001 | <0.00001 | 0.0003 | <0.00001 | 0.001 | <0.00003 | <0.00002 |
| MW-2R | 06/16/2010 | <0.0000095 | <0.0000095 | <0.0000095 | 0.000088 | <0.0000095 | 0.0014 | 0.000064 | <0.0000095 |
| MW-2R | 06/07/2018 | <0.00001 | <0.00001 | <0.00001 | 0.00002 J | <0.00001 | 0.001 | <0.00003 | <0.00002 |
| MW-11R | 06/16/2010 | 0.000029 J / 0.000021 J | <0.0000098 / <0.000010 | <0.0000098 / 0.000022 J | 0.00025 / 0.00023 | <0.0000098 / <0.000010 | 0.0027 / 0.0023 | 0.00015 / 0.00013 | 0.000046 J / 0.000034 J |
| MW-11R | 06/06/2018 | 0.00002 J / 0.00002 J | <0.00001 / <0.00001 | 0.00001 J / 0.00001 J | <0.00001 / <0.00001 | <0.00001 / <0.00001 | 0.0002 / 0.002 | <0.00003 / <0.00003 | <0.00002 / <0.00002 |
| MW-15 | 06/06/2018 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | <0.00001 | 0.0002 | <0.00003 | <0.00002 |
| OS-2 | 06/07/2018 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | <0.00001 / <0.00001 | 0.00002 J / 0.00001 J | <0.00001 / <0.00001 | 0.0009 / 0.0009 | <0.00003 / <0.00003 | <0.00002 / <0.00002 |
| OS-3 | 06/07/2018 | 0.00004 J | <0.00001 | 0.00005 J | <0.00001 | 0.00003 J | 0.0002 | <0.00003 | 0.00005 J |

Notes and Abbreviations

PAHs = poly aromatic hydrocarbons by Method SW8270

ADEC = Alaska Department of Environmental Conservation

^a = Levels established in ADEC Table C Groundwater Cleanup Levels (18 AAC 75.345)**BOLD** = Indicates concentration above the ADEC Table C Groundwater Cleanup Level

mg/L = milligrams per liter

J = Estimated value

- = Not measured / not analyzed

<x = Constituent not detected above x milligrams per liter

x / y = Sample results / blind duplicate results

Appendix A

Site Photographs

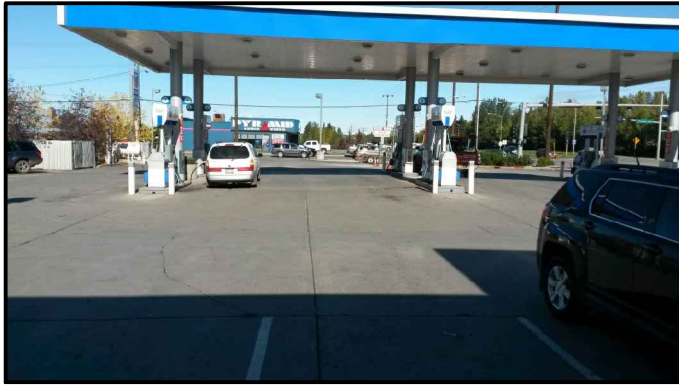


Photo 1.
View of site looking north



Photo 2.
View of site looking west through dispenser islands



Photo 3.
View of site looking north from the east side of the site



Photo 4.
View of site looking south from the north end of the site

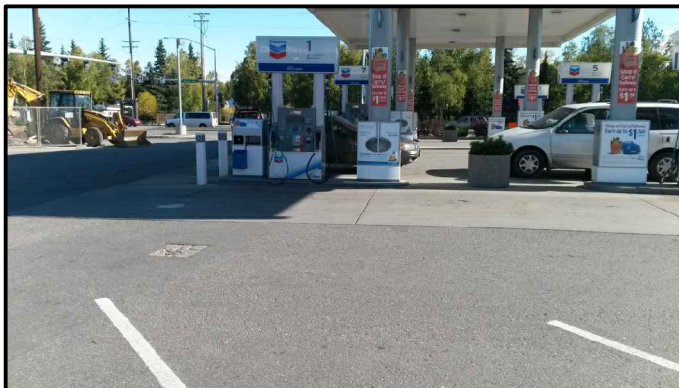


Photo 5.
View of site looking east through the dispenser islands



CHEVRON-BRANDED SERVICE STATION 95799
2500 SEWARD HIGHWAY
ANCHORAGE, ALASKA

SITE PHOTOGRAPHS

620914-95
Dec 5, 2016

Appendix B

Human Health Conceptual Site Model Scoping and Graphics Forms

Appendix A - Human Health Conceptual Site Model Scoping Form and Standardized Graphic

Site Name:

File Number:

Completed by:

Introduction

The form should be used to reach agreement with the Alaska Department of Environmental Conservation (DEC) about which exposure pathways should be further investigated during site characterization. From this information, summary text about the CSM and a graphic depicting exposure pathways should be submitted with the site characterization work plan and updated as needed in later reports.

General Instructions: Follow the italicized instructions in each section below.

1. General Information:

Sources (*check potential sources at the site*)

- | | |
|--|--|
| <input type="checkbox"/> USTs | <input type="checkbox"/> Vehicles |
| <input type="checkbox"/> ASTs | <input type="checkbox"/> Landfills |
| <input type="checkbox"/> Dispensers/fuel loading racks | <input type="checkbox"/> Transformers |
| <input type="checkbox"/> Drums | <input type="checkbox"/> Other: <input type="text"/> |

Release Mechanisms (*check potential release mechanisms at the site*)

- | | |
|---------------------------------|--|
| <input type="checkbox"/> Spills | <input type="checkbox"/> Direct discharge |
| <input type="checkbox"/> Leaks | <input type="checkbox"/> Burning |
| | <input type="checkbox"/> Other: <input type="text"/> |

Impacted Media (*check potentially-impacted media at the site*)

- | | |
|--|--|
| <input type="checkbox"/> Surface soil (0-2 feet bgs*) | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Subsurface soil (>2 feet bgs) | <input type="checkbox"/> Surface water |
| <input type="checkbox"/> Air | <input type="checkbox"/> Biota |
| <input type="checkbox"/> Sediment | <input type="checkbox"/> Other: <input type="text"/> |

Receptors (*check receptors that could be affected by contamination at the site*)

- | | |
|--|--|
| <input type="checkbox"/> Residents (adult or child) | <input type="checkbox"/> Site visitor |
| <input type="checkbox"/> Commercial or industrial worker | <input type="checkbox"/> Trespasser |
| <input type="checkbox"/> Construction worker | <input type="checkbox"/> Recreational user |
| <input type="checkbox"/> Subsistence harvester (i.e. gathers wild foods) | <input type="checkbox"/> Farmer |
| <input type="checkbox"/> Subsistence consumer (i.e. eats wild foods) | <input type="checkbox"/> Other: <input type="text"/> |

* bgs - below ground surface

2. Exposure Pathways: *(The answers to the following questions will identify complete exposure pathways at the site. Check each box where the answer to the question is "yes".)*

a) Direct Contact -

1. Incidental Soil Ingestion

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site-specific basis.)

If the box is checked, label this pathway complete:

Comments:

2. Dermal Absorption of Contaminants from Soil

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site specific basis.)

Can the soil contaminants permeate the skin (see Appendix B in the guidance document)?

If both boxes are checked, label this pathway complete:

Comments:

b) Ingestion -

1. Ingestion of Groundwater

Have contaminants been detected or are they expected to be detected in the groundwater, or are contaminants expected to migrate to groundwater in the future?

Could the potentially affected groundwater be used as a current or future drinking water source? Please note, only leave the box unchecked if DEC has determined the groundwater is not a currently or reasonably expected future source of drinking water according to 18 AAC 75.350.

If both boxes are checked, label this pathway complete:

Comments:

2. Ingestion of Surface Water

Have contaminants been detected or are they expected to be detected in surface water, or are contaminants expected to migrate to surface water in the future?

Could potentially affected surface water bodies be used, currently or in the future, as a drinking water source? Consider both public water systems and private use (i.e., during residential, recreational or subsistence activities).

If both boxes are checked, label this pathway complete:

Comments:

3. Ingestion of Wild and Farmed Foods

Is the site in an area that is used or reasonably could be used for hunting, fishing, or harvesting of wild or farmed foods?

Do the site contaminants have the potential to bioaccumulate (see Appendix C in the guidance document)?

Are site contaminants located where they would have the potential to be taken up into biota? (i.e. soil within the root zone for plants or burrowing depth for animals, in groundwater that could be connected to surface water, etc.)

If all of the boxes are checked, label this pathway complete:

Comments:

c) Inhalation-

1. Inhalation of Outdoor Air

Are contaminants present or potentially present in surface soil between 0 and 15 feet below the ground surface? (Contamination at deeper depths may require evaluation on a site specific basis.)

Are the contaminants in soil volatile (see Appendix D in the guidance document)?

If both boxes are checked, label this pathway complete:

Comments:

2. Inhalation of Indoor Air

Are occupied buildings on the site or reasonably expected to be occupied or placed on the site in an area that could be affected by contaminant vapors? (within 30 horizontal or vertical feet of petroleum contaminated soil or groundwater; within 100 feet of non-petroleum contaminated soil or groundwater; or subject to "preferential pathways," which promote easy airflow like utility conduits or rock fractures)

Are volatile compounds present in soil or groundwater (see Appendix D in the guidance document)?

If both boxes are checked, label this pathway complete:

Comments:

3. Additional Exposure Pathways: *(Although there are no definitive questions provided in this section, these exposure pathways should also be considered at each site. Use the guidelines provided below to determine if further evaluation of each pathway is warranted.)*

Dermal Exposure to Contaminants in Groundwater and Surface Water

Dermal exposure to contaminants in groundwater and surface water may be a complete pathway if:

- Climate permits recreational use of waters for swimming.
- Climate permits exposure to groundwater during activities, such as construction.
- Groundwater or surface water is used for household purposes, such as bathing or cleaning.

Generally, DEC groundwater cleanup levels in 18 AAC 75, Table C, are deemed protective of this pathway because dermal absorption is incorporated into the groundwater exposure equation for residential uses.

Check the box if further evaluation of this pathway is needed:

Comments:

Inhalation of Volatile Compounds in Tap Water

Inhalation of volatile compounds in tap water may be a complete pathway if:

- The contaminated water is used for indoor household purposes such as showering, laundering, and dish washing.
- The contaminants of concern are volatile (common volatile contaminants are listed in Appendix D in the guidance document.)

DEC groundwater cleanup levels in 18 AAC 75, Table C are protective of this pathway because the inhalation of vapors during normal household activities is incorporated into the groundwater exposure equation.

Check the box if further evaluation of this pathway is needed:

Comments:

Inhalation of Fugitive Dust

Inhalation of fugitive dust may be a complete pathway if:

- Nonvolatile compounds are found in the top 2 centimeters of soil. The top 2 centimeters of soil are likely to be dispersed in the wind as dust particles.
- Dust particles are less than 10 micrometers (Particulate Matter - PM₁₀). Particles of this size are called respirable particles and can reach the pulmonary parts of the lungs when inhaled.

DEC human health soil cleanup levels in Table B1 of 18 AAC 75 are protective of this pathway because the inhalation of particulates is incorporated into the soil exposure equation.

Check the box if further evaluation of this pathway is needed:

Comments:

Direct Contact with Sediment

This pathway involves people's hands being exposed to sediment, such as during some recreational, subsistence, or industrial activity. People then incidentally ingest sediment from normal hand-to-mouth activities. In addition, dermal absorption of contaminants may be of concern if the the contaminants are able to permeate the skin (see Appendix B in the guidance document). This type of exposure should be investigated if:

- Climate permits recreational activities around sediment.
- The community has identified subsistence or recreational activities that would result in exposure to the sediment, such as clam digging.

Generally, DEC direct contact soil cleanup levels in 18 AAC 75, Table B1, are assumed to be protective of direct contact with sediment.

Check the box if further evaluation of this pathway is needed:

Comments:

4. Other Comments *(Provide other comments as necessary to support the information provided in this form.)*

[Empty rectangular box for providing other comments]

HUMAN HEALTH CONCEPTUAL SITE MODEL GRAPHIC FORM

Site: Chevron 95799

Completed By: GHD Services, Inc.

Date Completed: 7/6/17

Instructions: Follow the numbered directions below. Do not consider contaminant concentrations or engineering/land use controls when describing pathways.

(1) Check the media that could be directly affected by the release.

(2) For each medium identified in (1), follow the top arrow and check possible transport mechanisms. Check additional media under (1) if the media acts as a secondary source.

Media Transport Mechanisms

Surface Soil (0-2 ft bgs)

Direct release to surface soil check soil

Migration to subsurface soil check soil

Migration to groundwater check groundwater

Volatilization check air

Runoff or erosion check surface water

Uptake by plants or animals check biota

Other (list): _____

Subsurface Soil (2-15 ft bgs)

Direct release to subsurface soil check soil

Migration to groundwater check groundwater

Volatilization check air

Uptake by plants or animals check biota

Other (list): _____

Ground-water

Direct release to groundwater check groundwater

Volatilization check air

Flow to surface water body check surface water

Flow to sediment check sediment

Uptake by plants or animals check biota

Other (list): _____

Surface Water

Direct release to surface water check surface water

Volatilization check air

Sedimentation check sediment

Uptake by plants or animals check biota

Other (list): _____

Sediment

Direct release to sediment check sediment

Resuspension, runoff, or erosion check surface water

Uptake by plants or animals check biota

Other (list): _____

(3) Check all exposure media identified in (2).

Exposure Media

soil

groundwater

air

surface water

sediment

biota

(4) Check all pathways that could be complete. The pathways identified in this column must agree with Sections 2 and 3 of the Human Health CSM Scoping Form.

Exposure Pathway/Route

| | | | | | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> Incidental Soil Ingestion | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Dermal Absorption of Contaminants from Soil | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Inhalation of Fugitive Dust | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Ingestion of Groundwater | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Dermal Absorption of Contaminants in Groundwater | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Inhalation of Volatile Compounds in Tap Water | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> Inhalation of Outdoor Air | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Inhalation of Indoor Air | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Inhalation of Fugitive Dust | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Ingestion of Surface Water | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Dermal Absorption of Contaminants in Surface Water | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Inhalation of Volatile Compounds in Tap Water | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> Direct Contact with Sediment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Ingestion of Wild or Farmed Foods | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

(5) Identify the receptors potentially affected by each exposure pathway. Enter "C" for current receptors, "F" for future receptors, "C/F" for both current and future receptors, or "-" for insignificant exposure.

Current & Future Receptors

| | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Residents (adults or children) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Commercial or industrial workers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Site visitors, trespassers, or recreational users | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Construction workers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Farmers or subsistence harvesters | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Subsistence consumers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Appendix C

Monitoring Data Package



DAILY FIELD REPORT

| | | |
|---|--|---|
| Project Name: CEMC 95799 | GHD Project Manager: S. PRITCHARD | Field Rep: T. WEAVER / O. YAN |
| Project Number: 620914 | Date: 06/06/18 | Site Address: 2500 SEWARD HWY ANCHORAGE, AK |
| Scope of Work: GW MONITORING / SAMPLING → COLLECT GW SAMPLES | | Weather: CLOUDY, LIGHT BREEZE; 41-60°F |
| Equipment: YS1-536 / MP-50 / TURBIDITY METER / WATER LEVEL METER (096101025) (201106162) (067288) | | |

| Time | Activity/Comments | SWA |
|------|--|-----|
| 1240 | PICKED UP OYAN @ ANC AIRPORT; HEAD TO SITE | |
| 1258 | ARRIVE ONSITE; NOTIFY PM; CONDUCT TAILGATE. | |
| 1312 | START GAUGING WELLS → START W/ OFFSITE WORK. 05-3/05-2 | |
| 1324 | HEAD TO SITE TO GAUGE ONSITE WELLS. FINISH GAUGING WELLS @ 1400 | |
| 1405 | SET UP GROUND MW-15 LOCATION FOR LF SAMPLING | |
| 1407 | START LF PURGE SAMPLING; COLLECT GW PARAMETERS | |
| 1440 | COLLECT MW-15-W-180606 SAMPLE; DOUBLE CHECK THE SAMPLE LIST; WORKS LIKE WE DID NOT HAVE PMS SEND TO ESOW; TW NOTIFIED PM; OYAN WILL GO TO OFFICE AND SEE IF THERE ARE EXTRA BOTTLES; DECAN EQUIPMENT | |
| 1503 | SET UP AT MW-12; | |
| 1509 | START LF; OYAN OFFSITE TO PICK UP MORE BOTTLE WATER; COLLECT GW SAMPLE @ MW-12. | |
| 1545 | OYAN BACK W/ MORE BOTTLE WATER; CONTINUE SAMPLING AT MW-12; DECAN EQUIPMENT @ 1553 | |
| 1601 | START SETUP AT MW-112 FOR LF SAMPLING | |
| 1606 | START W/ LF PURGE GW SAMPLING; COLLECT PARAMETER READINGS. | |
| 1650 | COLLECT MW-112-W-180606 / DUP-1-W-180606; OY SITE CLEAN UP SW STORE EQUIPMENT / TW CHECKS ON OTHER WELLS. | |
| 1710 | FINISH W/ SAMPLING; DECAN + SITE CLEAN UP; PURGE 2 GALLOON OIL DECAN THROUGH GAL. | |
| 1720 | DEMS BACK TO OFFICE | |
| 1735 | BACK @ OFFICE; STORE SAMPLES IN SAMPLE FRIDGE | |
| | PURGED THROUGH GAL | |
| | <u>4.35 GAL</u> | |

| | | | |
|----------|---|--------------|------------------|
| SWA Key: | A: Person or People | B: Equipment | C: Environmental |
| | D: Procedures/Processes/JSA-review/revise | E: Visitors | |

Operational Mileage: Start _____ End _____ Total _____

Site Photographs: GAC Tracker: Disposal Log: N/A Lab COC Review: N/A



DAILY FIELD REPORT

| | | |
|---|---|---|
| Project Name: CEMC 95799 | GHD Project Manager: S. PRITCHARD | Field Rep: T. WEAVER / O. YAN |
| Project Number: 620914 | Date: 6/7/18 | Site Address: 2500 SEWARD HWY ANCHORAGE, AK |
| Scope of Work: FINISH SAMPLES ALL WELLS | Equipment: YSE, TURBIDITY METER, WATER LEVEL METER, MP-50 (096101025) (20106169) (08784) | Weather: SUNNY & 50° |

| Time | Activity/Comments | SWA |
|------|---|-----------|
| 0645 | LOAD TRUCK, VEHICLE INSPECTION & REVIEW MOB JSA | |
| 0710 | MOB TO SITE | |
| 0720 | ARRIVE ON SITE, NOTIFY PM, STATION MANAGER & CONDUCT SAFETY TALK | |
| 0733 | SET UP ON ON MW-2R & CALIBRATE EQUIPMENT | |
| 0750 | START LOW FLOW PURGE PARAMETER MONITORING @ MW-2R | |
| 0822 | COLLECT SAMPLE MW-2R-W-150607 & DECON EQUIPMENT | |
| 0844 | MOB TO OFF SITE WELL OS-3 & SET UP FOR PURGING. | |
| 0956 | START LOW FLOW PURGE PARAMETER MONITORING @ OS-3 | |
| 0 | ↳ BENTONITE ENCOUNTERED @ ~ 6 FSB | |
| 0928 | COLLECT SAMPLE OS-3-W-150607 FROM WELL OS-3 & DECON EQUIPMENT | |
| 0942 | WELL LED WON'T CLOSE W/ LOCK ON S-PULL, USE DRILL & PVL CUTTER TO CUT 1 inch OFF OS-3 WELL CASING | |
| 1005 | START LOW FLOW PURGE PARAMETER MONITORING @ OS-2 | |
| 1035 | COLLECT SAMPLES OS-2-W-150607 & DUP-2-W-150607 FROM OS-2 | |
| 1055 | DECON EQUIPMENT; PURGE 2 GAL OF DECON WATER; START SITE CLEAN UP | |
| 1101 | FINISH HEAD BACK TO OFFICE. / DROP OFF SAMPLES IN SAMPLE FRIDGE. | |
| | <u>PURGED GW/DECON WATER THROUGH GAL:</u> | |
| | | 4.90 GAL. |
| | | |

| | | | |
|----------|---|--------------|------------------|
| SWA Key: | A: Person or People | B: Equipment | C: Environmental |
| | D: Procedures/Processes/JSA-review/revise | E: Visitors | |

Operational Mileage: Start _____ End _____ Total _____

Site Photographs: GAC Tracker: Disposal Log: Lab COC Review:



Groundwater Sampling Form

Project No. 620914 PM Siobhan Pritchard Well ID MW-1R Date 6/6/19 Page 1 of 6

Site ID / Location 95799 / 2500 Seward Highway, Anchorage, Alaska (ADEC 2100.026.003)
Screen Casing Well Material x PVC Sampled by T. Weaver
Setting (ft-btoc) 10 Diameter (in.) 2" SS O. Yan

Static Water Level (ft-btoc) 13.05 Total Depth (ft-btoc) 24.40 Water Column / Gallons in Well 11.35 / 1.816
Sample ID MW-1R-W-180606
Dup ID _____
Sample Time 1542 Start _____ End _____

| | | | | | | | |
|--|---------------------------------|-----------------------------|--|--|---|--------------------------------|------------------------------------|
| No-Purge Method | | | | Low Flow Method | | | |
| Sampler Length (in) | 36 <input type="checkbox"/> | 30 <input type="checkbox"/> | Depth of Sample Position | Pump type | Bladder <input checked="" type="checkbox"/> | Other <input type="checkbox"/> | Pump Intake (ft-btoc) <u>13.65</u> |
| Weights | Bottom <input type="checkbox"/> | | Supended Bottom set Yes <input type="checkbox"/> No <input type="checkbox"/> | Flow rate (ml/minute) | _____ | | Volumes Purged <u>0.3 Gal</u> |
| Well Screen Baler used to collect non volatile samples | | | | Did well Dewater? Yes <input type="checkbox"/> No <input type="checkbox"/> | Purge Time: Start <u>1509</u> End <u>1538</u> | | |

| Time | Minutes Elapsed | Rate (gpm) (mL/min) | Depth to Water (ft) | Gallons Purged | Temp (°C) | Cond. (mS/cm) 3% | Dissolved Oxygen (mg/L) 10% | pH 0.1 | Redox (mV) 10 | Turbidity (NTU) | Additional notes |
|------|-----------------|---------------------|---------------------|----------------|-----------|------------------|-----------------------------|--------|---------------|-----------------|------------------|
| 1514 | 5 | 60 | 13.07 | 0.05 | 9.76 | 0.398 | 5.13 | 5.56 | 86.2 | 71.37 | CLEAR |
| 1519 | 10 | 90 | 13.07 | 0.1 | 7.06 | 0.382 | 1.08 | 4.51 | 151.7 | 38.53 | " " |
| 1524 | 15 | 90 | 13.06 | 0.2 | 7.66 | 0.376 | 0.97 | 4.91 | 101.7 | 31.27 | " " |
| 1529 | 20 | 90 | 13.07 | 0.3 | 8.14 | 0.374 | 1.06 | 5.29 | 75.6 | 29.14 | " " |
| 1534 | 25 | 90 | 13.07 | 0.4 | 8.52 | 0.372 | 1.03 | 5.39 | 68.7 | 13.54 | " " |

| Constituents Sampled | Container | Number | Preservative |
|---|-------------------|-----------------|--------------|
| BTEX by 8260 <input checked="" type="checkbox"/> | 40 mL vial | 3 ✓ | HCl |
| VOCs by 8260 <input checked="" type="checkbox"/> 1SA18 event only | Included in above | | |
| HVOCs by 8260 <input type="checkbox"/> | | | |
| GRO by AK 101 <input type="checkbox"/> | | | |
| DRO by AK 102 <input checked="" type="checkbox"/> | 250 mL amber | 2 ✓ | HCl |
| RRO by AK 103 <input type="checkbox"/> | | | |
| Lead by 6010 <input type="checkbox"/> | | | |
| PAHs by 8270 <input checked="" type="checkbox"/> 1SA18 event only | 1L amber | 2 ✓ | None |
| Alkalinity by 2320B <input type="checkbox"/> | | | |
| Methane by RSK175 <input type="checkbox"/> | | | |
| Sulfate by EPA 300 <input type="checkbox"/> | | | |
| Nitrate/Nitrite by EPA 300 <input type="checkbox"/> | | | |
| Ferrous Iron <input type="checkbox"/> | | | |
| | | TOTAL: 7 | |

Well Casing Volumes

| | | | | | |
|--------------|--------------|------------------|-------------|-------------|-----------|
| Gallons/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 | |

Field Test Results: Ferrous Iron _____ mg/L Nitrate _____ mg/L Other _____

Well Information

Well Location: PLANTER NORTH EAST CORNER Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Additional Notes



Groundwater Sampling Form

Project No. 620914 PM Siobhan Pritchard Well ID MW-2R Date 6/7/18 Page 2 of 6

Site ID / Location 95799 / 2500 Seward Highway, Anchorage, Alaska (ADEC 2100.026.003)
 Screen Casing Well Material x PVC Sampled by T. Weaver
 Setting (ft-btoc) 9 Diameter (in.) 2" SS O. Yan

Static Water Level (ft-btoc) 13.08 Total Depth (ft-btoc) 23.66 Water Column / Gallons in Well 10.58 / 1.693
 Sample ID MW-2R-W-180609
 Dup ID ---
 Sample Time 0825 Start --- End ---

No-Purge Method
 Sampler Length (in) 36 Depth of Sample ---
 Weights --- **Low-Flow Sampling** Position ---
 Suspended
 Bottom set
 Yes No
 Well Casing Baler used to collect non volatile samples

Low Flow Method
 Pump type Bladder Other
 Pump Intake (ft-btoc) 13.65
 Volumes Purged 1.1 GAL
 Purge Time: Start 0750 End 0820
 Flow rate (ml/minute) 100 - 125
 Did well Dewater? Yes No

| Time | Minutes Elapsed | Rate (gpm) (mL/min) | Depth to Water (ft) | Gallons Purged | Temp (°C) | Cond. (mS/cm) 3% | Dissolved Oxygen (mg/L) 10% | pH 0.1 | Redox (mV) 10 | Turbidity (NTU) | Additional notes |
|------|-----------------|---------------------|---------------------|----------------|-----------|------------------|-----------------------------|--------|---------------|-----------------|------------------|
| 0755 | 5 | 125 | 13.11 | 0.20 | 7.03 | 0.327 | 1.85 | 2.73 | 714.0 | 3.14 | CLEAR |
| 0800 | 10 | 100 | 13.11 | 0.35 | 6.92 | 0.305 | 1.80 | 3.80 | 182.2 | 1.52 | " " |
| 0805 | 15 | 100 | 13.11 | 0.50 | 6.82 | 0.303 | 1.70 | 4.21 | 139.2 | 0.07 | " " |
| 0810 | 20 | 100 | 13.11 | 0.65 | 6.93 | 0.301 | 1.77 | 4.68 | 104.6 | 0.00 | " " |
| 0815 | 25 | 100 | 13.11 | 0.75 | 6.96 | 0.304 | 1.95 | 4.19 | 92.5 | 0.00 | " " |

| Constituents Sampled | Container | Number | Preservative |
|---|-------------------|--------|--------------|
| BTEX by 8260 <input checked="" type="checkbox"/> | 40 mL vial | 3 | HCl |
| VOCs by 8260 <input type="checkbox"/> 1SA18 event only | Included in above | | |
| HVOCs by 8260 <input type="checkbox"/> | | | |
| GRO by AK 101 <input type="checkbox"/> | | | |
| DRO by AK 102 <input checked="" type="checkbox"/> | 250 mL amber | 2 | HCl |
| RRO by AK 103 <input type="checkbox"/> | | | |
| Lead by 6010 <input type="checkbox"/> | | | |
| PAHs by 8270 <input checked="" type="checkbox"/> 1SA18 event only | 1L amber | 2 | None |
| Alkalinity by 2320B <input type="checkbox"/> | | | |
| Methane by RSK175 <input type="checkbox"/> | | | |
| Sulfate by EPA 300 <input type="checkbox"/> | | | |
| Nitrate/Nitrite by EPA 300 <input type="checkbox"/> | | | |
| Ferrous Iron <input type="checkbox"/> | | | |

TOTAL: 7

Well Casing Volumes

| | | | | | |
|--------------|--------------|------------------|-------------|-------------|-----------|
| Gallons/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 | |

Field Test Results:
 N/A Ferrous Iron mg/L Nitrate mg/L Other

Well Information
 Well Location: ONSITE
 Condition of Well: Good (see notes)
 Well Completion: Flush Mount / Stick Up
 Well Locked at Arrival: Yes / No
 Well Locked at Departure: Yes / No

Additional Notes
CONCRETE PAD CRACKED & CRUMBLING
FLANGE BOLT HOLDS BROKEN



Groundwater Sampling Form

Project No. 620914 PM Siobhan Pritchard Well ID MW-15 MW 11R Date 6/6/18 Page 3 of 6

Site ID / Location 95799 / 2500 Seward Highway, Anchorage, Alaska (ADEC 2100.026.003)

Screen Casing Well Material x PVC Sampled by T. Weaver
Setting (ft-btoc) 10 Diameter (in.) 2" SS O. Yan

Static Water Level (ft-btoc) 14.17 Total Depth (ft-btoc) 24.53 Water Column / Gallons in Well 10.36 / 1.66 Sample ID MW-15-W-150606

Dup ID _____
Sample Time 1446 Start _____ End _____

| | | | |
|--|--|---|--|
| No-Purge Method Sampler Length (in) <u>36</u> <input type="checkbox"/> Depth of Sample _____ <u>30</u> <input type="checkbox"/> Low-Flow Sampling Weights _____ Position _____ <input type="checkbox"/> Suspended <input type="checkbox"/> <input type="checkbox"/> Bottom set <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> | | Low Flow Method Pump type Bladder <input checked="" type="checkbox"/> Other <input type="checkbox"/> Pump Intake (ft-btoc) <u>14.10</u> Volumes Purged <u>0.30 gal</u> Purge Time: Start <u>1407</u> End <u>1437</u> | |
| Flow rate (ml/minute) <u>100-120</u> Did well Dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |

| Time | Minutes Elapsed | Rate (gpm) (mL/min) | Depth to Water (ft) | Gallons Purged | Temp (°C) | Cond. (mS/cm) 3% | Dissolved Oxygen (mg/L) 10% | pH 0.1 | Redox (mV) 10 | Turbidity (NTU) | Additional notes |
|------|-----------------|---------------------|---------------------|----------------|-----------|------------------|-----------------------------|--------|---------------|-----------------|------------------|
| 1412 | 5 | 120 | 14.16 | 0.2 | 8.30 | 0.676 | 3.42 | 4.16 | 187.5 | 77.67 | MOSTLY CLEAR |
| 1417 | 10 | 100 | 14.17 | 0.3 | 7.64 | 0.665 | 3.23 | 4.42 | 162.3 | 68.98 | CLEAR |
| 1422 | 15 | 100 | 14.17 | 0.45 | 6.94 | 0.657 | 2.85 | 4.61 | 145.3 | 64.68 | " " |
| 1427 | 20 | 100 | 14.17 | 0.55 | 6.44 | 0.651 | 2.77 | 4.81 | 138.9 | 63.82 | " " |
| 1432 | 25 | 100 | 14.17 | 0.6 | 6.86 | 0.647 | 2.64 | 5.06 | 124.1 | 57.41 | " " |
| 1437 | 30 | 100 | 14.17 | 0.7 | 6.75 | 0.644 | 2.67 | 5.04 | 116.7 | 55.68 | " " |

| Constituents Sampled | Container | Number | Preservative |
|---|-------------------|--------|--------------|
| BTEX by 8260 <input checked="" type="checkbox"/> | 40 mL vial | 3/3 | HCl |
| VOCs by 8260 <input type="checkbox"/> | Included in above | | |
| HVOCs by 8260 <input type="checkbox"/> | | | |
| GRO by AK 101 <input type="checkbox"/> | | | |
| DRO by AK 102 <input checked="" type="checkbox"/> | 250 mL amber | 2 | HCl |
| RRO by AK 103 <input type="checkbox"/> | | | |
| Lead by 6010 <input type="checkbox"/> | | | |
| PAHs by 8270 <input checked="" type="checkbox"/> | 1L amber | 2 | None |
| Alkalinity by 2320B <input type="checkbox"/> | | | |
| Methane by RSK175 <input type="checkbox"/> | | | |
| Sulfate by EPA 300 <input type="checkbox"/> | | | |
| Nitrate/Nitrite by EPA 300 <input type="checkbox"/> | | | |
| Ferrous Iron <input type="checkbox"/> | | | |

| Well Casing Volumes | 1" = 0.04 | 1.5" = 0.09 | 2.5" = 0.26 | 3.5" = 0.50 | 6" = 1.47 |
|---------------------|--------------|------------------|-------------|-------------|-----------|
| Gallons/Foot | 1.25" = 0.06 | 2" = 0.16 | 3" = 0.37 | 4" = 0.65 | |

Field Test Results: Ferrous Iron _____ mg/L Nitrate _____ mg/L Other _____

Well Information

Well Location: NORTH OF DISPENSERS Well Locked at Arrival: Yes / No

Condition of Well: SEE NOTE Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Additional Notes
CONCRETE PAD CRACKED & CRUMBLING
VAULT FLANGE BOLT HOLE BROKEN



Groundwater Sampling Form

Project No. 620914 PM Siobhan Pritchard Well ID MW-11R Date 6/6/18 Page 4 of 6

Site ID / Location 95799 / 2500 Seward Highway, Anchorage, Alaska (ADEC 2100.026.003)

Screen Casing Well Material x PVC Sampled by T. Weaver
 Setting (ft-btoc) 9 Diameter (in.) 2" SS O. Yan

Static Water Level (ft-btoc) 13.21 Total Depth (ft-btoc) 23.42 Water Column / Gallons in Well 8.21 / 1.63
 Sample ID MW-11R-W-180606
 Dup ID DUP-1-W-180606

Sample Time 1650 Start _____ End _____

| | | | | | | | |
|--|---------------------------------|--|--|------------------------|---|--------------------------------|---|
| No-Purge Method | | | | Low Flow Method | | | |
| Sampler Length (in) | 36 <input type="checkbox"/> | 30 <input checked="" type="checkbox"/> | Depth of Sample Position | Pump type | Bladder <input checked="" type="checkbox"/> | Other <input type="checkbox"/> | Pump Intake (ft-btoc) |
| Weights | Bottom <input type="checkbox"/> | | Suspended Bottom set | Flow rate (ml/minute) | <u>90-130</u> | | Volumes Purged |
| Well screen Baler used to collect non volatile samples | <input type="checkbox"/> | | Yes <input type="checkbox"/> No <input type="checkbox"/> | Did well Dewater? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | Purge Time: Start <u>1606</u> End <u>1656</u> |

| Time | Minutes Elapsed | Rate (gpm) (mL/min) | Depth to Water (ft) | Gallons Purged | Temp (°C) | Cond. (mS/cm) 3% | Dissolved Oxygen (mg/L) 10% | pH 0.1 | Redox (mV) 10 | Turbidity (NTU) | Additional notes |
|------|-----------------|---------------------|---------------------|----------------|-----------|------------------|-----------------------------|--------|---------------|-----------------|------------------|
| 1611 | 5 | 130 | 13.21 | 0.5 | 10.83 | 0.343 | 7.20 | 5.59 | 35.1 | 59.92 | CLEAR |
| 1616 | 10 | 90 | 13.21 | 0.15 | 8.27 | 0.349 | 3.03 | 4.63 | 61.6 | 39.10 | " " |
| 1621 | 15 | 90 | 13.21 | 0.3 | 7.96 | 0.352 | 3.05 | 4.55 | 44.6 | 15.77 | " " |
| 1626 | 20 | 90 | 13.21 | 0.4 | 7.74 | 0.357 | 3.02 | 5.05 | 28.6 | 4.35 | " " |
| 1631 | 25 | 90 | 13.21 | 0.5 | 7.47 | 0.359 | 2.58 | 5.25 | 16.0 | 9.60 | " " |
| 1636 | 30 | 90 | 13.21 | 0.55 | 6.27 | 0.361 | 4.44 | 5.39 | -1.9 | 11.80 | " " |
| 1641 | 35 | 90 | 13.21 | 0.65 | 9.00 | 0.359 | 2.76 | 5.43 | -12.1 | 13.40 | " " |
| 1646 | 40 | 90 | 13.21 | 0.7 | 9.36 | 0.360 | 2.41 | 5.49 | 76.1 | — | " " |

| Constituents Sampled | Container | Number | Preservative |
|---|-------------------|--------|--------------|
| BTEX by 8260 <input checked="" type="checkbox"/> | 40 mL vial | 3 | HCl |
| VOCs by 8260 <input checked="" type="checkbox"/> 1SA18 event only | Included in above | | |
| HVOCs by 8260 <input type="checkbox"/> | | | |
| GRO by AK 101 <input type="checkbox"/> | | | |
| DRO by AK 102 <input checked="" type="checkbox"/> | 250 mL amber | 2 | HCl |
| RRO by AK 103 <input type="checkbox"/> | | | |
| Lead by 6010 <input type="checkbox"/> | | | |
| PAHs by 8270 <input checked="" type="checkbox"/> 1SA18 event only | 1L amber | 2 | None |
| Alkalinity by 2320B <input type="checkbox"/> | | | |
| Methane by RSK175 <input type="checkbox"/> | | | |
| Sulfate by EPA 300 <input type="checkbox"/> | | | |
| Nitrate/Nitrite by EPA 300 <input type="checkbox"/> | | | |
| Ferrous Iron <input type="checkbox"/> | | | |

Well Casing Volumes

| | | | | | | | | |
|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-----------|
| Gallons/Foot | 1" = 0.04 | 1.5" = 0.08 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47 |
|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-----------|

Field Test Results: Ferrous Iron _____ mg/L Nitrate _____ mg/L Other _____

Well Information

Well Location: BY NORTHERN DRIVEWAY Well Locked at Arrival: Yes No

Condition of Well: SEE NOTE Well Locked at Departure: Yes No

Well Completion: Flush Mount / Stick Up

Additional Notes

NEW LOCK & NEW PLUG

CONCRETE WELL PAD CRACKED & CHANGING

Groundwater Sampling Form

Project No. 620914 PM Siobhan Pritchard Well ID OS-2 Date 6/7/18 Page 5 of 6

Site ID / Location 95799 / 2500 Seward Highway, Anchorage, Alaska (ADEC 2100.026.003)
 Screen Casing Well Material x PVC Sampled by T. Weaver
 Setting (ft-btoc) 10 Diameter (in.) 2" SS O. Yan

Static Water Level (ft-btoc) 13.56 Total Depth (ft-btoc) 18.59 Water Column / Gallons in Well 5.07 / 0.805
 Sample ID OS-2-W-180607
 Dup ID DUP-2-W-180607

Sample Time 1033 Start End

| | |
|---|---|
| <p>No-Purge Method</p> <p>Sampler Length (in) <u>36</u> <input type="checkbox"/> Depth of Sample <u> </u></p> <p>Weights <u> </u> <input type="checkbox"/> Low-Flow Sampling</p> <p>Well Screen Baler used to collect non volatile samples <input type="checkbox"/> Position</p> <p>Supervised <input type="checkbox"/> Bottom set <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/></p> | <p>Low Flow Method</p> <p>Pump type Bladder <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>Pump Intake (ft-btoc) <u>13.95</u></p> <p>Volumes Purged <u>1.1 Gal</u></p> <p>Flow rate (ml/minute) <u>120-160</u> Purge Time: Start <u>1105</u> End <u>1035</u></p> <p>Did well Dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> |
|---|---|

| Time | Minutes Elapsed | Rate (gpm) (mL/min) | Depth to Water (ft) | Gallons Purged | Temp (°C) | Cond. (mS/cm) 3% | Dissolved Oxygen (mg/L) 10% | pH 0.1 | Redox (mV) 10 | Turbidity (NTU) | Additional notes |
|------|-----------------|---------------------|---------------------|----------------|--------------|------------------|-----------------------------|-------------|---------------|-----------------|------------------|
| 1010 | 5 | <u>120</u> | <u>13.58</u> | <u>0.05</u> | <u>10.53</u> | <u>0.282</u> | <u>5.89</u> | <u>6.53</u> | <u>47.0</u> | <u>33.88</u> | <u>CLEAR</u> |
| 1015 | 10 | <u>120</u> | <u>13.58</u> | <u>0.10</u> | <u>8.64</u> | <u>0.286</u> | <u>2.17</u> | <u>6.11</u> | <u>55.5</u> | <u>20.37</u> | <u>" "</u> |
| 1020 | 15 | <u>120</u> | <u>13.58</u> | <u>0.30</u> | <u>7.11</u> | <u>0.292</u> | <u>1.40</u> | <u>5.06</u> | <u>111.9</u> | <u>11.01</u> | <u>" "</u> |
| 1025 | 20 | <u>120</u> | <u>13.58</u> | <u>0.45</u> | <u>6.97</u> | <u>0.298</u> | <u>1.19</u> | <u>5.74</u> | <u>92.5</u> | <u>1.50</u> | <u>" "</u> |
| 1030 | 25 | <u>120</u> | <u>13.58</u> | <u>0.65</u> | <u>6.65</u> | <u>0.303</u> | <u>1.23</u> | <u>6.32</u> | <u>68.7</u> | <u>0.00</u> | <u>" "</u> |
| 1035 | 30 | <u>120</u> | <u>13.58</u> | <u>0.80</u> | <u>6.71</u> | <u>0.305</u> | <u>1.22</u> | <u>6.50</u> | <u>52.7</u> | <u>0.00</u> | <u>" "</u> |

| Constituents Sampled | Container | Number | Preservative |
|---|-------------------|--------------|--------------|
| BTEX by 8260 <input checked="" type="checkbox"/> | 40 mL vial | <u>3 / 3</u> | HCl |
| VOCs by 8260 <input checked="" type="checkbox"/> 1SA18 event only | Included in above | | |
| HVOCs by 8260 <input type="checkbox"/> | | | |
| GRO by AK 101 <input type="checkbox"/> | | | |
| DRO by AK 102 <input type="checkbox"/> | | | |
| RRO by AK 103 <input type="checkbox"/> | | | |
| Lead by 6010 <input type="checkbox"/> | | | |
| PAHs by 8270 <input checked="" type="checkbox"/> 1SA18 event only | 1L amber | <u>2 / 2</u> | None |
| Alkalinity by 2320B <input type="checkbox"/> | | | |
| Methane by RSK175 <input type="checkbox"/> | | | |
| Sulfate by EPA 300 <input type="checkbox"/> | | | |
| Nitrate/Nitrite by EPA 300 <input type="checkbox"/> | | | |
| Ferrous Iron <input type="checkbox"/> | | | |

TOTAL : 10 ✓

Well Casing Volumes

| | | | | | |
|--------------|--------------|---|-------------|-------------|-----------|
| Gallons/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 | |

Field Test Results:

| | | | | | |
|-----|--------------|------|---------|------|-------|
| N/A | Ferrous Iron | mg/L | Nitrate | mg/L | Other |
|-----|--------------|------|---------|------|-------|

Well Information

Well Location: OFFSITE - PLANTER AREA FIREWEED Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up

Additional Notes

Well located offsite across Fireweed Lane (IN PLANTER AREA)

REPLACE J-PUMP + LOCK.

Groundwater Sampling Form

Project No. 620914 PM Siobhan Pritchard Well ID OS-3 Date 6/7/18 Page 6 of 6

Site ID / Location 95799 / 2500 Seward Highway, Anchorage, Alaska (ADEC 2100.026.003)
 Screen Casing Well Material x PVC Sampled by T. Weaver
 Setting (ft-btoc) UNK Diameter (in.) 2" SS O. Yan

Static Water Level (ft-btoc) 10.89 Total Depth (ft-btoc) 15.52 Water Column / Gallons in Well 4.63 / 0.74
 Sample ID OS-3-W-180607
 Dup ID _____
 Sample Time 0928 Start _____ End _____

| | |
|--|---|
| <p>No-Purge Method</p> <p>Sampler Length (in) <u>36</u> <input type="checkbox"/> Depth of Sample _____</p> <p>Weights _____</p> <p>Bottom <input type="checkbox"/> Low-Flow Sampling Position _____</p> <p>Well Screen Baler used to collect non volatile samples _____</p> <p>Suspended <input type="checkbox"/> Bottom set <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/></p> | <p>Low Flow Method</p> <p>Pump type Bladder <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>Pump Intake (ft-btoc) _____</p> <p>Flow rate (ml/minute) <u>50-60</u> Volumes Purged <u>0.2</u></p> <p>Did well Dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Purge Time: Start <u>0958</u> End <u>0926</u></p> |
|--|---|

| Time | Minutes Elapsed | Rate (gpm) (mL/min) | Depth to Water (ft) | Gallons Purged | Temp (°C) | Cond. (mS/cm) 3% | Dissolved Oxygen (mg/L) 10% | pH 0.1 | Redox (mV) 10 | Turbidity (NTU) | Additional notes |
|------|-----------------|---------------------|---------------------|----------------|-----------|------------------|-----------------------------|--------|---------------|-----------------|------------------|
| 0901 | 5 | 50 | 10.93 | 0.10 | 10.76 | 6.228 | 6.30 | 6.60 | 71.4 | — | CLEAR |
| 0906 | 10 | 60 | 10.71 | 0.20 | 9.90 | 0.226 | 6.61 | 5.97 | 79.1 | 115.3 | CLEAR / NOVOX |
| 0911 | 15 | 60 | 10.89 | 0.30 | 8.84 | 0.234 | 6.87 | 5.34 | 128.0 | 76.92 | CLEAR |
| 0916 | 20 | 60 | 10.89 | 0.50 | 8.50 | 0.237 | 6.27 | 5.47 | 134.0 | 66.70 | " " |
| 0921 | 25 | 60 | 10.89 | 0.60 | 8.71 | 0.235 | 6.15 | 5.38 | 127.0 | 55.63 | " " |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Constituents Sampled | Container | Number | Preservative |
|---|-------------------|--------|--------------|
| BTEX by 8260 <input checked="" type="checkbox"/> | 40 mL vial | 3 | HCl |
| VOCs by 8260 <input checked="" type="checkbox"/> 1SA18 event only | Included in above | | |
| HVOCs by 8260 <input type="checkbox"/> | | | |
| GRO by AK 101 <input type="checkbox"/> | | | |
| DFP by AK 102 <input type="checkbox"/> | | | |
| RRO by AK 103 <input type="checkbox"/> | | | |
| Lead by 6010 <input type="checkbox"/> | | | |
| PAHs by 8270 <input checked="" type="checkbox"/> 1SA18 event only | 1L amber | 2 | None |
| Alkalinity by 2320B <input type="checkbox"/> | | | |
| Methane by RSK175 <input type="checkbox"/> | | | |
| Sulfate by EPA 300 <input type="checkbox"/> | | | |
| Nitrate/Nitrite by EPA 300 <input type="checkbox"/> | | | |
| Ferrous Iron <input type="checkbox"/> | | | |

Total: 5

Well Casing Volumes

| | | | | | |
|--------------|--------------|------------------|-------------|-------------|-----------|
| Gallons/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 | |

Field Test Results:
 N/A Ferrous Iron mg/L Nitrate mg/L Other

Well Information

Well Location: OFF SITE (NORTH) Well Locked at Arrival: Yes / **No**

Condition of Well: GOOD + SEE NOTES. Well Locked at Departure: **Yes** / No

Well Completion: **Flush Mount** / Stick Up

Additional Notes

Well located offsite across Fireweed Lane

**Field Data Record Form
Meter, Water Level
(QSF-251D)**

Page 1 of 1

Control number: 06784
 Date (mm/dd/yyyy): 6/6/18
 User (print name): TRAVIS WEAVER

Project number: 620914
 Project name: 95799


Location: 2522 SEWARD HWY
ANCHORAGE, AK

Additional equipment control numbers and descriptions: _____

Field procedure before use:

| | Check when completed |
|---|-------------------------------------|
| • Check for broken or missing parts. | <input checked="" type="checkbox"/> |
| • Check battery | <input checked="" type="checkbox"/> |
| • Check operation of buzzer. | <input checked="" type="checkbox"/> |
| • Check operation of signal light. | <input checked="" type="checkbox"/> |
| • Test probe in water to ensure unit operates, both visually and audibly. | <input checked="" type="checkbox"/> |
| • Check cable. | <input checked="" type="checkbox"/> |

Filing: Field file

Signature: 

TTT Environmental

The preferred source for instrument Rentals, Sales, Service, and Supplies!

CALIBRATION/INSPECTION REPORT

Calibration Date: 6/5/2018
 Report Date (check-out): 6/6/2018

Company Name: GHD
 Rental Description: YSI 556

S/O #: S181179
 Serial #: 556-09.G101025

| CALIBRATION* | | | | | | |
|--------------------------|------------|-----------------|--------------------|------------|------------|--|
| Sensor | Zero Value | Calibration* | | | | |
| | | Desired reading | Instrument reading | other | Slope/Gain | |
| Spec. Conductivity/Cond. | na | 1.413 @25 C | 1.413 @ 21.25 C | 1.413/1312 | 0.99 | |
| pH | na | 7.02 @20 C | 7.02 @ 21.12 C | -20.8 | | |
| pH | na | 4.00 @20 C | 4.00 @ 20.98 C | 146.8 | 168 | |
| pH | na | 10.05 @20 C | 10.05 @ 21.00 C | -189.8 | 169 | |
| ORP | na | 240mV @25 C | 240 @ 21.13 C | -17.2 | | |
| D.O. | na | 100% @25 C | 99.2% @ 20.73 C | B.P.=29.66 | 0.971 | |
| | | | 8.89 mg/L | | | |

* Calibrated per manufacturer specifications

| CALIBRATION SOLUTION INFORMATION | | | | | | |
|----------------------------------|-----------|-------|--------|----------|-----------|-----------|
| Components | Conc. | Lot # | Manuf. | Accuracy | Fill Date | Exp. Date |
| Specific Conductivity | 1.413@25C | RU1 | OAKTON | -- | na | 07/18 |
| pH | 7.00@25C | RV1 | OAKTON | +/- 0.01 | na | 06/18 |
| pH | 4.01@25C | SW1 | OAKTON | +/- 0.01 | na | 09/18 |
| pH | 10.01@25C | SV1 | OAKTON | +/- 0.02 | na | 10/18 |
| ORP | 240mV | 7320 | Hanna | - | na | 02/19 |

Calibrated by: Chad Campoamor

Signature: 

| INSTRUMENT INSPECTION | | | |
|--|----------------------|--|---------|
| Item | Pre-rental Check-out | Post-rental Check-in | |
| | | ("Damaged" or "No" may indicate customer charge) | |
| Inspect all instrument components for cracks, damage, etc: | | No Damage | Damaged |
| Meter (battery cover screws) & cable?: | | No Damage | Damaged |
| Cable is plugged into handheld?: | Yes | Yes | No |
| Instrument powers on/off properly?: | Yes | Yes | No |
| Battery power bar (lower right hand corner) shows at least 30%?: | Yes | | |
| Display/LCD contrast is correct and no black streaks in LCD screen exist?: | Yes | Yes | No |
| All display readings are positive (excluding pHmV & ORP)?: | Yes | Yes | No |
| Probe inspection?: | | No Damage | Damaged |
| Probe transport cup is attached & contains 1/4" tap water or pH 4 buffer?: | Yes | Yes | No |
| Calibrated within the last 10 days?: | Yes | | |
| Rental checklist completed?: | Yes | Yes | |

Comments: _____

Signature (Check-out): 

Signature (Check-in): _____

TTT Environmental

The preferred source for instrument
Rentals, Sales, Service, and Supplies!

INSTRUMENT RENTAL FUNCTION/CHECKLIST

Company Name: BHD

S/O #: 5181179

Rental Description: YSI 556

Serial #: 1025

| Item Description | Checked Out? | Checked In? | Damaged / Missing? |
|---|--------------|-------------|--------------------|
| 556 Multi parameter meter with barometer | / | | |
| Wrist strap | / | | |
| 4 meter probe assembly w/ pH/ORP, cond./temp. & DO | / | | |
| Pelican carrying case | / | | |
| 556 Quick-start Guide & CD in ziploc bag | / | | |
| YSI 5511 Maintenance kit (including the following): | / | | |
| Probe installation/removal tool | / | | |
| DO sensor set screw | / | | |
| Allen wrench for DO sensor set screw | / | | |
| DO sensor port plug | / | | |
| Conductivity probe cleaning brush | / | | |
| O-Rings for DO sensor | / | | |
| 2 - Replacement Flow cell O-ring | / | | |
| DO membrane kit (w/2 replacement caps & instructions) | / | | |
| DO membrane solution (at least 1/4 full) | / | | |
| Probe Sensor Guard | / | | |
| Transport/Calibration cup | / | | |
| Stainless Steel sampling cup | / | | |
| Optional: | | | |
| Flow cell (including the following): | | | |
| 2 each hose barbs: 3/16", 1/4", 3/8", 1/2" | | | |
| Optional - 2 each YSI body couplings | | | |
| Both upper and lower o-rings in place on flow cell | | | |

| Instrument Function Test / Inspection (Correct all deficiencies) | |
|--|-----|
| Pelican case general condition, rubber seal, TTT label, & foam in place and in good condition: | Yes |
| TTT property tag in place on top of instrument: | Yes |
| Instrument display face plate in good condition (only minor scratches and smears); And backlight functions properly: | Yes |
| Date and Time set correctly (Esc/system setup/date & time): | Yes |
| Shutoff time set to 60 min. (Esc/system setup/shut off time): | Yes |
| All data deleted (Esc/file/delete all files/delete): | Yes |
| Battery power bar (lower right hand corner) shows at least 30%: | Yes |

Signature (Check-out): _____

Signature (Check-in): _____

Declared Value: \$3,700

- * By renting with TTT customer agrees to the rental terms and conditions (copy available upon request).
- * Customer is responsible for all parts and equipment damaged or missing during rental.
- * All instruments have been inspected and calibrated (when applicable) prior to rental.
- * TTT suggests calibrating/bump testing instruments prior to each days use.

TTT Environmental

The preferred source for instrument
Rentals, Sales, Service, and Supplies!

CALIBRATION/INSPECTION REPORT

Calibration Date: 6/4/2018
Report Date (check-out): 6/4/2018

Company Name: GHD
Rental Description: HF Scientific Micro TPW Turbidimeter


S/O #: S181179
Serial #: HFTBW-11.201106169

| CALIBRATION* | | | | | |
|--------------|------------|-----------------|--------------------|-------------|------|
| Sensor | Zero Value | Calibration* | | Alarm Level | |
| | | Desired reading | Instrument reading | Low | High |
| NTU | N/A | 1000 NTU | 1000 NTU | N/A | N/A |
| NTU | N/A | 10 NTU | 10 NTU | N/A | N/A |
| NTU | N/A | 0.02 NTU | 0.02 NTU | N/A | N/A |

* Calibrated per manufacturer specifications

| CALIBRATION SOLUTION INFORMATION | | | | | | |
|----------------------------------|-------|-------|--------|----------|-----------|-----------|
| Components | Conc. | Lot # | Manuf. | Accuracy | Fill Date | Exp. Date |
| Formazin Solution | 1000 | 30251 | ProCal | N/A | N/A | 6/1/2019 |
| Formazin Solution | 10.0 | 30214 | ProCal | N/A | N/A | 6/1/2019 |
| Formazin Solution | 0.02 | 30210 | ProCal | N/A | N/A | 6/1/2019 |


Calibrated by: Chad Campoamor

Signature: 

| Item Description | Qty | Checked Out? | Checked In? | Damaged / Missing? |
|--|-----|--------------|-------------|--------------------|
| HF Scientific Micro TPW Turbidimeter | 1 | ✓ | | |
| Manual | 1 | ✓ | | |
| Sample vials | 3 | ✓ | | |
| In reclosable bag: | | | | |
| Silicone Oil, Kim Wipes, 4 Spare AAA Batteries | 1 | ✓ | | |

| Instrument Function Test / Inspection (Correct all deficiencies) | Pre-rental Check-out | Post-rental Check-in (Tag any "damaged" or "No's" for Service to correct) | |
|--|-------------------------|--|---------|
| | | No Damage | Damaged |
| Inspect instrument for cracks & damage, LCD for proper display, and light chamber for water/dust/debris: | | | |
| Ensure spare batteries in kit are unused and contacts sealed with white tape: | Yes | Yes | No |
| Dispose of any secondary calibration standard vial or sample vial that has excessive scratches, cracks, or staining: | | Yes | No |
| HF Scientific recommends TPW Turbidimeters are recalibrated at least once every three months. Calibrated since the last rental?: | Yes | | |
| Rental checklist completed?: | Yes | Yes | |

Comments:

Signature (Check-out): 

Signature (Check-in): _____

Phone: (907) 770-9041

Fax: (907) 770-9046

Email: info@tttenviro.com

www.tttenviro.com

**Field Data Record Form
Meter, Water Level
(QSF-251D)**

Page 1 of 1

Control number: 06784
 Date (mm/dd/yyyy): 6/7/15
 User (print name): TRAVIS WEAVER

Project number: 620914 & 621044
 Project name: 95799 & 306448

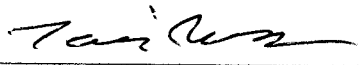
Location: 2500 SEWARD HWY &
1441 C ST

Additional equipment control numbers and descriptions: _____

Field procedure before use:

| | Check when completed |
|---|-------------------------------------|
| • Check for broken or missing parts. | ✓ |
| • Check battery | <input checked="" type="checkbox"/> |
| • Check operation of buzzer. | <input checked="" type="checkbox"/> |
| • Check operation of signal light. | <input checked="" type="checkbox"/> |
| • Test probe in water to ensure unit operates, both visually and audibly. | <input checked="" type="checkbox"/> |
| • Check cable. | <input checked="" type="checkbox"/> |

Filing: Field file

Signature: 

Field Data Record Form

Meter, PH/Cond./Temp./DO/ORP/ Salinity/Flow Cell,

YSI 556 MPS

(QSF-483D)

Page 1 of 1

Control number: 096101025
 Date (mm/dd/yyyy): 06/07/2018
 User (print name): YAN, OLIVER

Project number: 620914 / 621048
 Project name: CEMC 95799 / CEMC 306448

Location: 2500 STEWARD HWY / 1491 C.D. HENSON
ANCHORAGE, AK

| Calibration solution(s): | pH 4.0 | pH 7.0 | 240 mV ORP | COND. STAMP |
|--------------------------|--------|---------|------------|-------------|
| Lot #(s): | VV34 | VT1 | 0640 | OALISTON |
| Supplier(s): | OAKSON | OAKSON | HANNA | VT2 |
| Expiration date(s): | 05/299 | 07/2012 | 10/2021 | 07/2019 |

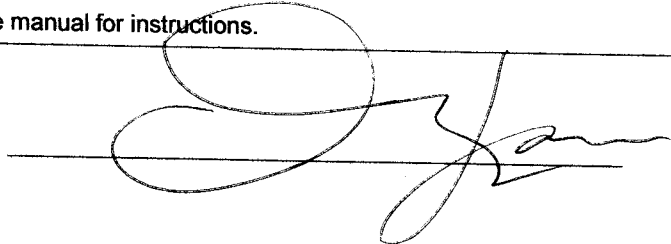
Additional information: _____

Field procedure before use:

| | Check when completed |
|---|--|
| <ul style="list-style-type: none"> Check kit contents. Check pH 7 buffer reading. Calibrate if greater than ± 0.2. <p>PH is a two point calibration but always start with the seven standard.</p> <ul style="list-style-type: none"> Fill calibration cup with pH 7.0 buffer and attach to probe with probes facing down. Press Esc to enter into main menu and use down arrow key to highlight calibration menu. Press \downarrow key to accept. Use \downarrow key to highlight pH symbol and press enter \downarrow. Select 2 point calibration and use number pad to enter 7.0 and push \downarrow to accept value. Push \downarrow again to calibrate. Repeat these steps to calibrate your pH value to <u>4.0</u> or 10.0. Press Esc to return to the calibration screen. <p>Check conductivity standard near the expected range. Calibrate if greater than $\pm 0.5\%$.</p> <p>Conductivity is a one point calibration.</p> <ul style="list-style-type: none"> Fill calibration cup with 1.413 mS standard and attach to probe with probes facing up. Press Esc to return to the calibration screen. Use the \uparrow or \downarrow to select SpC and press \downarrow Use the number key pad to enter 1.413 and push \downarrow to accept value. Push \downarrow again to calibrate. <p>Check ORP standard:</p> <ul style="list-style-type: none"> Press Esc to return to the calibration screen. Use the \uparrow or \downarrow to select ORP and press \downarrow Use the number key pad to enter the value and push \downarrow to accept. Push \downarrow again to calibrate. <p>To calibrate DO, see manual for instructions.</p> | <div style="text-align: center;"><input checked="" type="checkbox"/></div> <p>Reading <u>6.83</u> \rightarrow 7.05</p> <p>Calibrated <u>Y</u> N</p> <p>Reading <u>4.05</u></p> <p>Standard <u>1.413</u> Reading <u>1.412</u> Calibrated <u>Y</u>/N</p> <p>Standard <u>240</u> mV Reading <u>2</u> mV</p> <p>Calibrated <u>Y</u>/N</p> |

Filing: Field file

Signature: _____



Field Data Record Form
Meter, Turbidity (Portable), HF Scientific
(QSF-249D)

Control number: 20106169
 Date (mm/dd/yyyy): 6/7/18
 User (print name): TRAVES WEAVER

Project number: 620914 / 621044
 Project name: 45799 / 306448

Location: 2500 SEWARD HWY /
1441 L ST


Additional equipment control numbers and descriptions:

| | | |
|----------------------|----------------------|----------------------|
| <u>0.02 NTU</u> | <u>10 NTU</u> | <u>1000 NTU</u> |
| <u>LOT: 80301</u> | <u>LOT: 72262</u> | <u>LOT: 80303</u> |
| <u>EXP: MAR 2020</u> | <u>EXP: 3/2020</u> | <u>EXP: MAR/2020</u> |
| <u>PROCAL</u> | <u>HF SCIENTIFIC</u> | <u>PROCAL</u> |

Field procedure before use:

| | Check when completed |
|---|----------------------|
| • Turn the DRT-15CE to the 0-10 range. | ✓ |
| • Check outside of reference standard bottles for cleanliness, no condensation, surface scratches, or finger smudges. | ☑ |
| • Insert the reference standard and index. | ☑ |
| • Adjust the Reference Adjust in the appropriate direction to cause the display to read 0.02 NTU. | ☑ |
| • The unity is now ready to use on any range. | |
| <p>Note: Condensation, surface scratches, finger smudges, and dirt on outside of sample bottles affects meter readings.</p> | |

Filing: Field file

Signature: 

Portable GAC Volume Tracking Log

| Site ID | Project No. | Date | Volume Filtered through GAC (gallons) | Filter location description |
|---------|-------------|----------|---------------------------------------|---|
| 95414 | 062327 | 03/27/18 | 5.45 GALLONS | PLANTER AREA FOR CEMC 95414 WELLS AND PLANTER AREA NORTH OF HW-10 FOR HW-8/HW-10. |
| 91356 | 622232 | 04/18/18 | 5.80 GAL | PLANTER AREA BY STATION BUILDING AND CHEVRON SIGN |
| 91252 | 622059 | 04/19/18 | 3.85 GAL | PLANTER ALONG OLD GLENN HWY (UP GRADIENT) |
| 90430 | 065001 | 04/23/18 | 3.60 GAL | CENTER AREA OF PROPERTY |
| 91518 | 062325 | 04/24/18 | 5.20 GAL | PLANTER AREA SOUTHERN PORTION OF SITE BY RESTAURANT SIGN |
| 92555 | 062326 | 04/25/18 | 6.55 GAL | CENTER OF SITE PLANTER AREA NORTH OF SIDEWALK WALK |
| 92555 | 062326 | 04/26/18 | 7.60 GAL | PLANTER AREAS ~100' FT AWAY FROM PROPERTY BOUNDARIES |
| 97324 | 612061 | 04/27/18 | 5.25 GAL | CENTER OF THE SITE |
| 211074 | 612064 | 05/14/18 | 6.40 GAL | PLANTER AREA BY CENTER OF WHOLE COMPLEX |
| 211074 | 612064 | 05/15/18 | 10.64 GAL | PLANTER AREA BY CENTER OF WHOLE PARKING COMPLEX |
| 211074 | 612064 | 05/16/18 | 0.85 GAL | PLANTER AREA BY CENTER OF PARKING LOT |
| 99014 | 062329 | 5/16/18 | 4.8 GAL | PLANTER AT THE CHEVRON STATION |
| 99014 | 062329 | 5/17/18 | 7.15 GAL | PLANTER AREA AT VARIOUS LOCATIONS → THURLEY + CHEVRON STATION |
| 99014 | 062329 | 5/18/18 | 10.8 GAL | PLANTER AT THURLEY LOT |
| 98557 | 060361 | 5/21/18 | 14.65 GAL | PLANTER ALONG MULDON ON CHEVRON STATION |
| 96489 | 620916 | 5/22/18 | 6.70 GAL | PLANTER AREA NEXT TO STATION BUILDING AND HOSPITAL PLANTER FOR OFFSITE WELLS. |
| 96097 | 062328 | 5/24/18 | 6.70 GAL | CENTER PLANTER AT SCARVE ADJACENT TO RUGBY |
| 96097 | 062328 | 5/25/18 | 5.50 GAL | CENTER PLANTER (PILE Y JOE) BETWEEN SCARVE AND RUGBY. |
| 95799 | 620914 | 6/6/18 | 4.35 GAL | PLANTER ON WEST SIDE OF SITE, NEXT TO DUMPSTER |
| 95799 | 620914 | 6/7/18 | 4.90 GAL | PLANTER AREAS SCARVE / PLANTER AREA WEST SIDE |
| 304448 | 621047 | 6/7/18 | 5.90 GAL | PLANTER - CENTER OF OFFSITE AREA BY EDGE OF FENCE - EAST SIDE |

Monitoring Well Condition Form

Site ID: 95799 Site Address: 2500 SEWARD HWY Project No: 620714 Date: 6/6/15

| Well ID | Condition | Notes |
|---------|--|---|
| MW-14 | Well Lid: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Stripped Well Vault: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Damaged | CONCRETE PAD CRACKED & CRUMBLING BEARING HEAVY |
| MW-15 | Well Lid: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Damaged | CONCRETE CRACKED & CRUMBLING BEARING HEAVY BOLT HOLE BARE |
| MW-1R | Well Lid: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Damaged | GOOD |
| MW-1R | Well Lid: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Damaged | CONCRETE CRACKED & CRUMBLING |
| MW-2R | Well Lid: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Damaged | CONCRETE CRACKED & CRUMBLING BOTH BOLT HOLES IN FLANGE BARE |
| OS-3 | Well Lid: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Damaged | GOOD |
| OS-2 | Well Lid: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input checked="" type="checkbox"/> Good <input type="checkbox"/> Damaged | GOOD |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |
| | Well Lid: <input type="checkbox"/> Good <input type="checkbox"/> Broken <input type="checkbox"/> Missing Missing Bolts: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Stripped Well Vault: <input type="checkbox"/> Good <input type="checkbox"/> Damaged | |

Appendix D

Laboratory Analytical Report



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Report Date: June 21, 2018 11:59

Project: 95799

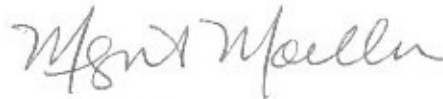
Account #: 10880
Group Number: 1953274
PO Number: 0015277056
Release Number: CARRIER
State of Sample Origin: AK

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/> . To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To GHD
Electronic Copy To GHD
Electronic Copy To GHD
Electronic Copy To GHD
Electronic Copy To Chevron

Attn: GHD EDF
Attn: Siobhan Pritchard
Attn: Sarah Gillette
Attn: Jeffrey Cloud
Attn: GHD EDD

Respectfully Submitted,



Megan A. Moeller
Senior Specialist

(717) 556-7261



SAMPLE INFORMATION

| <u>Client Sample Description</u> | <u>Sample Collection Date/Time</u> | <u>ELLE#</u> |
|----------------------------------|------------------------------------|--------------|
| MW-15-W-180606 Grab Groundwater | 06/06/2018 14:40 | 9651301 |
| MW-1R-W-180606 Grab Groundwater | 06/06/2018 15:42 | 9651302 |
| MW-11R-W-180606 Grab Groundwater | 06/06/2018 16:50 | 9651303 |
| MW-2R-W-180607 Grab Groundwater | 06/07/2018 08:22 | 9651304 |
| OS-3-W-180607 Grab Groundwater | 06/07/2018 09:28 | 9651305 |
| OS-2-W-180607 Grab Groundwater | 06/07/2018 10:38 | 9651306 |
| DUP-1-WD-180606 Grab Groundwater | 06/06/2018 | 9651307 |
| DUP-2-WD-180607 Grab Groundwater | 06/07/2018 | 9651308 |
| QA-1-T-180607 Water | 06/07/2018 | 9651309 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Project Name: 95799
ELLE Group #: 1953274

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.

Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:**SW-846 8260B, GC/MS Volatiles**

Batch #: W181711AA (Sample number(s): 9651305-9651306, 9651308 UNSPK: P651107)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Cyclohexane, Methylcyclohexane, Tetrachloroethene

SW-846 8270D SIM, GC/MS Semivolatiles

Sample #s: 9651307

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

Batch #: 18164WAD026 (Sample number(s): 9651301-9651308)

The recovery(ies) for one or more surrogates exceeded the acceptance window indicating a positive bias for sample(s) 9651307

Sample Description: MW-15-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651301
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/06/2018 14:40

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-15-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651301
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018 14:40

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | N.D. | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.0002 | 0.00003 | 0.00008 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00008 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |
| GC Petroleum Hydrocarbons | | AK 102-SV 4/8/02 | mg/l | mg/l | mg/l | |
| 13025 | DRO C10-C25 | n.a. | 0.10 J | 0.054 | 0.27 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|----------------------|--------------|--------|-----------|------------------------|--------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181701AA | 06/19/2018 17:29 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181701AA | 06/19/2018 17:29 | Linda C Pape | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-15-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651301
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018 14:40

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------------|--------|-------------|------------------------|--------------------|-----------------|
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 13:09 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |
| 13025 | AK 102-SV DRO | AK 102-SV 4/8/02 | 1 | 181660049A | 06/18/2018 19:40 | Heather E Williams | 1 |
| 13027 | Mini-Ext. AK 102-SV DRO | AK 102/AK 103 04/08/02 | 2 | 181660049A | 06/18/2018 08:00 | Logan M Brosemer | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-1R-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651302
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/06/2018 15:42

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | 0.0008 J | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | 0.002 J | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-1R-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651302
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018 15:42

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | N.D. | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | 0.0002 | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | 0.0003 | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.001 | 0.00003 | 0.00008 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00008 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |
| GC Petroleum Hydrocarbons | | AK 102-SV 4/8/02 | mg/l | mg/l | mg/l | |
| 13025 | DRO C10-C25 | n.a. | 1.2 | 0.051 | 0.25 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|----------------------|--------------|--------|-----------|------------------------|--------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181701AA | 06/19/2018 17:53 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181701AA | 06/19/2018 17:53 | Linda C Pape | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-1R-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651302
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/06/2018 15:42

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------------|--------|-------------|------------------------|--------------------|-----------------|
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 13:39 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |
| 13025 | AK 102-SV DRO | AK 102-SV 4/8/02 | 1 | 181660049A | 06/18/2018 20:08 | Heather E Williams | 1 |
| 13027 | Mini-Ext. AK 102-SV DRO | AK 102/AK 103 04/08/02 | 2 | 181660049A | 06/18/2018 08:00 | Logan M Brosemer | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-11R-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651303
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/06/2018 16:50

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | 0.001 | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | 0.001 J | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-11R-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651303
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018 16:50

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------------|------------------------|------------|-------------------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | SW-846 8260B | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 0.002 | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | | SW-846 8270D SIM | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | 0.0003 | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | 0.00001 J | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | 0.00001 J | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.0002 | 0.00003 | 0.00008 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00008 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |
| GC Petroleum Hydrocarbons | | | AK 102-SV 4/8/02 | mg/l | mg/l | |
| 13025 | DRO C10-C25 | n.a. | 1.8 | 0.051 | 0.25 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|----------------------|--------------|--------|-----------|------------------------|-------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181702AA | 06/20/2018 05:27 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181702AA | 06/20/2018 05:27 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-11R-W-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651303
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018 16:50

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------------|--------|-------------|------------------------|--------------------|-----------------|
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 14:09 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |
| 13025 | AK 102-SV DRO | AK 102-SV 4/8/02 | 1 | 181660049A | 06/18/2018 20:36 | Heather E Williams | 1 |
| 13027 | Mini-Ext. AK 102-SV DRO | AK 102/AK 103 04/08/02 | 2 | 181660049A | 06/18/2018 08:00 | Logan M Brosemer | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-2R-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651304
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/07/2018 08:22

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | 0.002 J | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-2R-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651304
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018 08:22

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 0.007 | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.001 | 0.00003 | 0.00009 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00009 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |
| GC Petroleum Hydrocarbons | | AK 102-SV 4/8/02 | mg/l | mg/l | mg/l | |
| 13025 | DRO C10-C25 | n.a. | 0.57 | 0.051 | 0.25 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|----------------------|--------------|--------|-----------|------------------------|-------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181702AA | 06/20/2018 05:50 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181702AA | 06/20/2018 05:50 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: MW-2R-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651304
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018 08:22

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------------|--------|-------------|------------------------|--------------------|-----------------|
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 15:07 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |
| 13025 | AK 102-SV DRO | AK 102-SV 4/8/02 | 1 | 181660049A | 06/18/2018 21:04 | Heather E Williams | 1 |
| 13027 | Mini-Ext. AK 102-SV DRO | AK 102/AK 103 04/08/02 | 2 | 181660049A | 06/18/2018 08:00 | Logan M Brosemer | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: OS-3-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651305
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/07/2018 09:28

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: OS-3-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651305
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018 09:28

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | N.D. | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | N.D. | 0.00001 | 0.00006 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | N.D. | 0.00001 | 0.00006 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00006 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | 0.00002 J | 0.00001 | 0.00006 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | 0.00002 J | 0.00001 | 0.00006 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | 0.00006 | 0.00001 | 0.00006 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | 0.00004 J | 0.00001 | 0.00006 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | 0.00002 J | 0.00001 | 0.00006 | 1 |
| 12971 | Chrysene | 218-01-9 | 0.00004 J | 0.00001 | 0.00006 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00006 | 1 |
| 12971 | Fluoranthene | 206-44-0 | 0.00005 J | 0.00001 | 0.00006 | 1 |
| 12971 | Fluorene | 86-73-7 | N.D. | 0.00001 | 0.00006 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 0.00003 J | 0.00001 | 0.00006 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.0002 | 0.00003 | 0.00009 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00009 | 1 |
| 12971 | Pyrene | 129-00-0 | 0.00005 J | 0.00002 | 0.00006 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------|--------|-------------|------------------------|-------------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181711AA | 06/20/2018 14:57 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181711AA | 06/20/2018 14:57 | Linda C Pape | 1 |
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 15:36 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: OS-2-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651306
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10

Collection Date/Time: 06/07/2018 10:38

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | 0.016 | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | 0.001 | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | 0.002 J | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: OS-2-W-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651306
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018 10:38

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | N.D. | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | 0.00004 J | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.0009 | 0.00003 | 0.00008 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00008 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------|--------|-------------|------------------------|-------------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181711AA | 06/20/2018 15:21 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181711AA | 06/20/2018 15:21 | Linda C Pape | 1 |
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 16:06 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: DUP-1-WD-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651307
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | 0.001 | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | 0.001 J | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: DUP-1-WD-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651307
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 0.002 | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | 0.00003 J | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | 0.00002 J | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | 0.00001 J | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.002 | 0.00003 | 0.00009 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00009 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |

The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

| GC Petroleum Hydrocarbons | AK 102-SV 4/8/02 | mg/l | mg/l | mg/l | |
|---------------------------|------------------|------|-------|------|---|
| 13025 DRO C10-C25 | n.a. | 1.9 | 0.050 | 0.25 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|---------------|--------|--------|--------|------------------------|---------|-----------------|
|---------|---------------|--------|--------|--------|------------------------|---------|-----------------|

*=This limit was used in the evaluation of the final result

Sample Description: DUP-1-WD-180606 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651307
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/06/2018

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------------|--------|-------------|------------------------|--------------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181702AA | 06/20/2018 06:14 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181702AA | 06/20/2018 06:14 | Don V Viray | 1 |
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 16:36 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |
| 13025 | AK 102-SV DRO | AK 102-SV 4/8/02 | 1 | 181660049A | 06/18/2018 21:32 | Heather E Williams | 1 |
| 13027 | Mini-Ext. AK 102-SV DRO | AK 102/AK 103 04/08/02 | 2 | 181660049A | 06/18/2018 08:00 | Logan M Brosemer | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: DUP-2-WD-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651308
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | 0.017 | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | 0.001 | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | 0.002 J | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: DUP-2-WD-180607 Grab Groundwater
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651308
ELLE Group #: 1953274
Matrix: Groundwater

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|----------------------------|------------------------|-------------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | N.D. | 0.0005 | 0.001 | 1 |
| GC/MS Semivolatiles | | SW-846 8270D SIM | mg/l | mg/l | mg/l | |
| 12971 | Acenaphthene | 83-32-9 | 0.00003 J | 0.00001 | 0.00005 | 1 |
| 12971 | Acenaphthylene | 208-96-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Anthracene | 120-12-7 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)anthracene | 56-55-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(a)pyrene | 50-32-8 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(b)fluoranthene | 205-99-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(g,h,i)perylene | 191-24-2 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Benzo(k)fluoranthene | 207-08-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Chrysene | 218-01-9 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Dibenz(a,h)anthracene | 53-70-3 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluoranthene | 206-44-0 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Fluorene | 86-73-7 | 0.00001 J | 0.00001 | 0.00005 | 1 |
| 12971 | Indeno(1,2,3-cd)pyrene | 193-39-5 | N.D. | 0.00001 | 0.00005 | 1 |
| 12971 | Naphthalene | 91-20-3 | 0.0009 | 0.00003 | 0.00009 | 1 |
| 12971 | Phenanthrene | 85-01-8 | N.D. | 0.00003 | 0.00009 | 1 |
| 12971 | Pyrene | 129-00-0 | N.D. | 0.00002 | 0.00005 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------|------------------|--------|-------------|------------------------|-------------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | W181711AA | 06/20/2018 15:45 | Linda C Pape | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W181711AA | 06/20/2018 15:45 | Linda C Pape | 1 |
| 12971 | SIM SVOAs 8270D, water | SW-846 8270D SIM | 1 | 18164WAD026 | 06/18/2018 17:05 | Edward C Monborne | 1 |
| 10466 | BNA Water Extraction SIM | SW-846 3510C | 1 | 18164WAD026 | 06/13/2018 16:12 | Kate E Lutte | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: QA-1-T-180607 Water
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651309
ELLE Group #: 1953274
Matrix: Water

Project Name: 95799

Submission Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|-----------------------------|------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | | mg/l | mg/l | mg/l | |
| 10335 | Acetone | 67-64-1 | N.D. | 0.006 | 0.020 | 1 |
| 10335 | Benzene | 71-43-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Bromoform | 75-25-2 | N.D. | 0.0005 | 0.004 | 1 |
| 10335 | Bromomethane | 74-83-9 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 2-Butanone | 78-93-3 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Carbon Disulfide | 75-15-0 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroethane | 75-00-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloroform | 67-66-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Chloromethane | 74-87-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Cyclohexane | 110-82-7 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | 1,2-Dibromo-3-chloropropane | 96-12-8 | N.D. | 0.002 | 0.005 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dibromoethane | 106-93-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Dichlorodifluoromethane | 75-71-8 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Freon 113 | 76-13-1 | N.D. | 0.002 | 0.010 | 1 |
| 10335 | 2-Hexanone | 591-78-6 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Acetate | 79-20-9 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 4-Methyl-2-pentanone | 108-10-1 | N.D. | 0.003 | 0.010 | 1 |
| 10335 | Methylcyclohexane | 108-87-2 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Styrene | 100-42-5 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1,2,2-Tetrachloroethane | 79-34-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Toluene | 108-88-3 | N.D. | 0.0005 | 0.001 | 1 |

*=This limit was used in the evaluation of the final result

Sample Description: QA-1-T-180607 Water
Facility# 95799
2500 Seward Hwy - Anchorage, AK

ChevronTexaco
ELLE Sample #: WW 9651309
ELLE Group #: 1953274
Matrix: Water

Project Name: 95799

Submittal Date/Time: 06/09/2018 10:10
Collection Date/Time: 06/07/2018

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit* | Limit of Quantitation | Dilution Factor |
|------------------------|------------------------|---------------------|-------------|-------------------------|-----------------------|-----------------|
| GC/MS Volatiles | | SW-846 8260B | mg/l | mg/l | mg/l | |
| 10335 | 1,2,4-Trichlorobenzene | 120-82-1 | N.D. | 0.001 | 0.005 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichloroethene | 79-01-6 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | N.D. | 0.0005 | 0.001 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | N.D. | 0.0005 | 0.001 | 1 |

Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|----------------------|--------------|--------|-----------|------------------------|------------------|-----------------|
| 10335 | TCL 4.3 VOCs | SW-846 8260B | 1 | Y181704AA | 06/20/2018 00:02 | Patrick T Herres | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | Y181704AA | 06/20/2018 00:02 | Patrick T Herres | 1 |

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

| Analysis Name | Result | MDL** | LOQ |
|-----------------------------|-----------------------------------|--------|-------|
| | mg/l | mg/l | mg/l |
| Batch number: W181701AA | Sample number(s): 9651301-9651302 | | |
| Acetone | N.D. | 0.006 | 0.020 |
| Benzene | N.D. | 0.0005 | 0.001 |
| Bromodichloromethane | N.D. | 0.0005 | 0.001 |
| Bromoform | N.D. | 0.0005 | 0.004 |
| Bromomethane | N.D. | 0.0005 | 0.001 |
| 2-Butanone | N.D. | 0.003 | 0.010 |
| Carbon Disulfide | N.D. | 0.001 | 0.005 |
| Carbon Tetrachloride | N.D. | 0.0005 | 0.001 |
| Chlorobenzene | N.D. | 0.0005 | 0.001 |
| Chloroethane | N.D. | 0.0005 | 0.001 |
| Chloroform | N.D. | 0.0005 | 0.001 |
| Chloromethane | N.D. | 0.0005 | 0.001 |
| Cyclohexane | N.D. | 0.002 | 0.005 |
| 1,2-Dibromo-3-chloropropane | N.D. | 0.002 | 0.005 |
| Dibromochloromethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dibromoethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,3-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,4-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| Dichlorodifluoromethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethene | N.D. | 0.0005 | 0.001 |
| cis-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| trans-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloropropane | N.D. | 0.0005 | 0.001 |
| cis-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| trans-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| Ethylbenzene | N.D. | 0.0005 | 0.001 |
| Freon 113 | N.D. | 0.002 | 0.010 |
| 2-Hexanone | N.D. | 0.003 | 0.010 |
| Isopropylbenzene | N.D. | 0.001 | 0.005 |
| Methyl Acetate | N.D. | 0.001 | 0.005 |
| Methyl Tertiary Butyl Ether | N.D. | 0.0005 | 0.001 |
| 4-Methyl-2-pentanone | N.D. | 0.003 | 0.010 |
| Methylcyclohexane | N.D. | 0.001 | 0.005 |
| Methylene Chloride | N.D. | 0.0005 | 0.001 |
| Styrene | N.D. | 0.001 | 0.005 |
| 1,1,1,2-Tetrachloroethane | N.D. | 0.0005 | 0.001 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Method Blank (continued)

| Analysis Name | Result | MDL** | LOQ |
|-----------------------------|---|--------|-------|
| | mg/l | mg/l | mg/l |
| Tetrachloroethene | N.D. | 0.0005 | 0.001 |
| Toluene | N.D. | 0.0005 | 0.001 |
| 1,2,4-Trichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,1,1-Trichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1,2-Trichloroethane | N.D. | 0.0005 | 0.001 |
| Trichloroethene | N.D. | 0.0005 | 0.001 |
| Trichlorofluoromethane | N.D. | 0.0005 | 0.001 |
| Vinyl Chloride | N.D. | 0.0005 | 0.001 |
| Xylene (Total) | N.D. | 0.0005 | 0.001 |
| Batch number: W181702AA | Sample number(s): 9651303-9651304,9651307 | | |
| Acetone | N.D. | 0.006 | 0.020 |
| Benzene | N.D. | 0.0005 | 0.001 |
| Bromodichloromethane | N.D. | 0.0005 | 0.001 |
| Bromoform | N.D. | 0.0005 | 0.004 |
| Bromomethane | N.D. | 0.0005 | 0.001 |
| 2-Butanone | N.D. | 0.003 | 0.010 |
| Carbon Disulfide | N.D. | 0.001 | 0.005 |
| Carbon Tetrachloride | N.D. | 0.0005 | 0.001 |
| Chlorobenzene | N.D. | 0.0005 | 0.001 |
| Chloroethane | N.D. | 0.0005 | 0.001 |
| Chloroform | N.D. | 0.0005 | 0.001 |
| Chloromethane | N.D. | 0.0005 | 0.001 |
| Cyclohexane | N.D. | 0.002 | 0.005 |
| 1,2-Dibromo-3-chloropropane | N.D. | 0.002 | 0.005 |
| Dibromochloromethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dibromoethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,3-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,4-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| Dichlorodifluoromethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethene | N.D. | 0.0005 | 0.001 |
| cis-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| trans-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloropropane | N.D. | 0.0005 | 0.001 |
| cis-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| trans-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| Ethylbenzene | N.D. | 0.0005 | 0.001 |
| Freon 113 | N.D. | 0.002 | 0.010 |
| 2-Hexanone | N.D. | 0.003 | 0.010 |
| Isopropylbenzene | N.D. | 0.001 | 0.005 |
| Methyl Acetate | N.D. | 0.001 | 0.005 |
| Methyl Tertiary Butyl Ether | N.D. | 0.0005 | 0.001 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Method Blank (continued)

| Analysis Name | Result | MDL** | LOQ |
|-----------------------------|---|--------|-------|
| | mg/l | mg/l | mg/l |
| 4-Methyl-2-pentanone | N.D. | 0.003 | 0.010 |
| Methylcyclohexane | N.D. | 0.001 | 0.005 |
| Methylene Chloride | N.D. | 0.0005 | 0.001 |
| Styrene | N.D. | 0.001 | 0.005 |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.0005 | 0.001 |
| Tetrachloroethene | N.D. | 0.0005 | 0.001 |
| Toluene | N.D. | 0.0005 | 0.001 |
| 1,2,4-Trichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,1,1-Trichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1,2-Trichloroethane | N.D. | 0.0005 | 0.001 |
| Trichloroethene | N.D. | 0.0005 | 0.001 |
| Trichlorofluoromethane | N.D. | 0.0005 | 0.001 |
| Vinyl Chloride | N.D. | 0.0005 | 0.001 |
| Xylene (Total) | N.D. | 0.0005 | 0.001 |
| Batch number: W181711AA | Sample number(s): 9651305-9651306,9651308 | | |
| Acetone | N.D. | 0.006 | 0.020 |
| Benzene | N.D. | 0.0005 | 0.001 |
| Bromodichloromethane | N.D. | 0.0005 | 0.001 |
| Bromoform | N.D. | 0.0005 | 0.004 |
| Bromomethane | N.D. | 0.0005 | 0.001 |
| 2-Butanone | N.D. | 0.003 | 0.010 |
| Carbon Disulfide | N.D. | 0.001 | 0.005 |
| Carbon Tetrachloride | N.D. | 0.0005 | 0.001 |
| Chlorobenzene | N.D. | 0.0005 | 0.001 |
| Chloroethane | N.D. | 0.0005 | 0.001 |
| Chloroform | N.D. | 0.0005 | 0.001 |
| Chloromethane | N.D. | 0.0005 | 0.001 |
| Cyclohexane | N.D. | 0.002 | 0.005 |
| 1,2-Dibromo-3-chloropropane | N.D. | 0.002 | 0.005 |
| Dibromochloromethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dibromoethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,3-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,4-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| Dichlorodifluoromethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethene | N.D. | 0.0005 | 0.001 |
| cis-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| trans-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloropropane | N.D. | 0.0005 | 0.001 |
| cis-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| trans-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| Ethylbenzene | N.D. | 0.0005 | 0.001 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Method Blank (continued)

| Analysis Name | Result | MDL** | LOQ |
|-----------------------------|---------------------------|--------|-------|
| | mg/l | mg/l | mg/l |
| Freon 113 | N.D. | 0.002 | 0.010 |
| 2-Hexanone | N.D. | 0.003 | 0.010 |
| Isopropylbenzene | N.D. | 0.001 | 0.005 |
| Methyl Acetate | N.D. | 0.001 | 0.005 |
| Methyl Tertiary Butyl Ether | N.D. | 0.0005 | 0.001 |
| 4-Methyl-2-pentanone | N.D. | 0.003 | 0.010 |
| Methylcyclohexane | N.D. | 0.001 | 0.005 |
| Methylene Chloride | N.D. | 0.0005 | 0.001 |
| Styrene | N.D. | 0.001 | 0.005 |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.0005 | 0.001 |
| Tetrachloroethene | N.D. | 0.0005 | 0.001 |
| Toluene | N.D. | 0.0005 | 0.001 |
| 1,2,4-Trichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,1,1-Trichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1,2-Trichloroethane | N.D. | 0.0005 | 0.001 |
| Trichloroethene | N.D. | 0.0005 | 0.001 |
| Trichlorofluoromethane | N.D. | 0.0005 | 0.001 |
| Vinyl Chloride | N.D. | 0.0005 | 0.001 |
| Xylene (Total) | N.D. | 0.0005 | 0.001 |
| Batch number: Y181704AA | Sample number(s): 9651309 | | |
| Acetone | N.D. | 0.006 | 0.020 |
| Benzene | N.D. | 0.0005 | 0.001 |
| Bromodichloromethane | N.D. | 0.0005 | 0.001 |
| Bromoform | N.D. | 0.0005 | 0.004 |
| Bromomethane | N.D. | 0.0005 | 0.001 |
| 2-Butanone | N.D. | 0.003 | 0.010 |
| Carbon Disulfide | N.D. | 0.001 | 0.005 |
| Carbon Tetrachloride | N.D. | 0.0005 | 0.001 |
| Chlorobenzene | N.D. | 0.0005 | 0.001 |
| Chloroethane | N.D. | 0.0005 | 0.001 |
| Chloroform | N.D. | 0.0005 | 0.001 |
| Chloromethane | N.D. | 0.0005 | 0.001 |
| Cyclohexane | N.D. | 0.002 | 0.005 |
| 1,2-Dibromo-3-chloropropane | N.D. | 0.002 | 0.005 |
| Dibromochloromethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dibromoethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,3-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,4-Dichlorobenzene | N.D. | 0.001 | 0.005 |
| Dichlorodifluoromethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1-Dichloroethene | N.D. | 0.0005 | 0.001 |
| cis-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Method Blank (continued)

| Analysis Name | Result | MDL** | LOQ |
|-----------------------------|---|---------|---------|
| | mg/l | mg/l | mg/l |
| trans-1,2-Dichloroethene | N.D. | 0.0005 | 0.001 |
| 1,2-Dichloropropane | N.D. | 0.0005 | 0.001 |
| cis-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| trans-1,3-Dichloropropene | N.D. | 0.0005 | 0.001 |
| Ethylbenzene | N.D. | 0.0005 | 0.001 |
| Freon 113 | N.D. | 0.002 | 0.010 |
| 2-Hexanone | N.D. | 0.003 | 0.010 |
| Isopropylbenzene | N.D. | 0.001 | 0.005 |
| Methyl Acetate | N.D. | 0.001 | 0.005 |
| Methyl Tertiary Butyl Ether | N.D. | 0.0005 | 0.001 |
| 4-Methyl-2-pentanone | N.D. | 0.003 | 0.010 |
| Methylcyclohexane | N.D. | 0.001 | 0.005 |
| Methylene Chloride | N.D. | 0.0005 | 0.001 |
| Styrene | N.D. | 0.001 | 0.005 |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.0005 | 0.001 |
| Tetrachloroethene | N.D. | 0.0005 | 0.001 |
| Toluene | N.D. | 0.0005 | 0.001 |
| 1,2,4-Trichlorobenzene | N.D. | 0.001 | 0.005 |
| 1,1,1-Trichloroethane | N.D. | 0.0005 | 0.001 |
| 1,1,2-Trichloroethane | N.D. | 0.0005 | 0.001 |
| Trichloroethene | N.D. | 0.0005 | 0.001 |
| Trichlorofluoromethane | N.D. | 0.0005 | 0.001 |
| Vinyl Chloride | N.D. | 0.0005 | 0.001 |
| Xylene (Total) | N.D. | 0.0005 | 0.001 |
| Batch number: 18164WAD026 | Sample number(s): 9651301-9651308 | | |
| Acenaphthene | N.D. | 0.00001 | 0.00005 |
| Acenaphthylene | N.D. | 0.00001 | 0.00005 |
| Anthracene | N.D. | 0.00001 | 0.00005 |
| Benzo(a)anthracene | N.D. | 0.00001 | 0.00005 |
| Benzo(a)pyrene | N.D. | 0.00001 | 0.00005 |
| Benzo(b)fluoranthene | N.D. | 0.00001 | 0.00005 |
| Benzo(g,h,i)perylene | N.D. | 0.00001 | 0.00005 |
| Benzo(k)fluoranthene | N.D. | 0.00001 | 0.00005 |
| Chrysene | N.D. | 0.00001 | 0.00005 |
| Dibenz(a,h)anthracene | N.D. | 0.00001 | 0.00005 |
| Fluoranthene | N.D. | 0.00001 | 0.00005 |
| Fluorene | N.D. | 0.00001 | 0.00005 |
| Indeno(1,2,3-cd)pyrene | N.D. | 0.00001 | 0.00005 |
| Naphthalene | N.D. | 0.00003 | 0.00008 |
| Phenanthrene | N.D. | 0.00003 | 0.00008 |
| Pyrene | N.D. | 0.00002 | 0.00005 |
| Batch number: 181660049A | Sample number(s): 9651301-9651304,9651307 | | |
| DRO C10-C25 | N.D. | 0.050 | 0.25 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

LCS/LCSD

| Analysis Name | LCS Spike Added mg/l | LCS Conc mg/l | LCSD Spike Added mg/l | LCSD Conc mg/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|-----------------------------|-----------------------------------|---------------|-----------------------|----------------|----------|-----------|-----------------|-----|---------|
| Batch number: W181701AA | Sample number(s): 9651301-9651302 | | | | | | | | |
| Acetone | 0.150 | 0.121 | 0.150 | 0.119 | 81 | 80 | 54-157 | 2 | 30 |
| Benzene | 0.0200 | 0.0205 | 0.0200 | 0.0202 | 103 | 101 | 80-120 | 2 | 30 |
| Bromodichloromethane | 0.0200 | 0.0197 | 0.0200 | 0.0196 | 99 | 98 | 71-120 | 1 | 30 |
| Bromoform | 0.0200 | 0.0172 | 0.0200 | 0.0171 | 86 | 86 | 59-120 | 1 | 30 |
| Bromomethane | 0.0200 | 0.0174 | 0.0200 | 0.0172 | 87 | 86 | 58-130 | 1 | 30 |
| 2-Butanone | 0.150 | 0.150 | 0.150 | 0.149 | 100 | 99 | 59-135 | 1 | 30 |
| Carbon Disulfide | 0.0200 | 0.0194 | 0.0200 | 0.0193 | 97 | 97 | 65-128 | 1 | 30 |
| Carbon Tetrachloride | 0.0200 | 0.0223 | 0.0200 | 0.0222 | 111 | 111 | 64-134 | 0 | 30 |
| Chlorobenzene | 0.0200 | 0.0192 | 0.0200 | 0.0193 | 96 | 96 | 80-120 | 0 | 30 |
| Chloroethane | 0.0200 | 0.0164 | 0.0200 | 0.0161 | 82 | 80 | 61-123 | 2 | 30 |
| Chloroform | 0.0200 | 0.0204 | 0.0200 | 0.0200 | 102 | 100 | 80-120 | 2 | 30 |
| Chloromethane | 0.0200 | 0.0167 | 0.0200 | 0.0166 | 84 | 83 | 63-120 | 1 | 30 |
| Cyclohexane | 0.0200 | 0.0227 | 0.0200 | 0.0226 | 113 | 113 | 67-121 | 0 | 30 |
| 1,2-Dibromo-3-chloropropane | 0.0200 | 0.0184 | 0.0200 | 0.0186 | 92 | 93 | 53-128 | 1 | 30 |
| Dibromochloromethane | 0.0200 | 0.0189 | 0.0200 | 0.0187 | 94 | 94 | 71-120 | 1 | 30 |
| 1,2-Dibromoethane | 0.0200 | 0.0192 | 0.0200 | 0.0192 | 96 | 96 | 75-120 | 0 | 30 |
| 1,2-Dichlorobenzene | 0.0200 | 0.0191 | 0.0200 | 0.0186 | 96 | 93 | 80-120 | 3 | 30 |
| 1,3-Dichlorobenzene | 0.0200 | 0.0195 | 0.0200 | 0.0190 | 97 | 95 | 80-120 | 2 | 30 |
| 1,4-Dichlorobenzene | 0.0200 | 0.0193 | 0.0200 | 0.0190 | 96 | 95 | 80-120 | 1 | 30 |
| Dichlorodifluoromethane | 0.0200 | 0.0176 | 0.0200 | 0.0179 | 88 | 90 | 47-124 | 2 | 30 |
| 1,1-Dichloroethane | 0.0200 | 0.0205 | 0.0200 | 0.0207 | 103 | 103 | 80-120 | 1 | 30 |
| 1,2-Dichloroethane | 0.0200 | 0.0195 | 0.0200 | 0.0197 | 98 | 98 | 73-124 | 1 | 30 |
| 1,1-Dichloroethene | 0.0200 | 0.0236 | 0.0200 | 0.0232 | 118 | 116 | 80-131 | 2 | 30 |
| cis-1,2-Dichloroethene | 0.0200 | 0.0207 | 0.0200 | 0.0205 | 104 | 103 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | 0.0200 | 0.0213 | 0.0200 | 0.0209 | 106 | 104 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | 0.0200 | 0.0206 | 0.0200 | 0.0209 | 103 | 104 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | 0.0200 | 0.0202 | 0.0200 | 0.0196 | 101 | 98 | 75-120 | 3 | 30 |
| trans-1,3-Dichloropropene | 0.0200 | 0.0197 | 0.0200 | 0.0196 | 98 | 98 | 76-120 | 0 | 30 |
| Ethylbenzene | 0.0200 | 0.0199 | 0.0200 | 0.0199 | 100 | 100 | 80-120 | 0 | 30 |
| Freon 113 | 0.0200 | 0.0215 | 0.0200 | 0.0218 | 108 | 109 | 68-137 | 1 | 30 |
| 2-Hexanone | 0.100 | 0.101 | 0.100 | 0.101 | 101 | 101 | 50-141 | 1 | 30 |
| Isopropylbenzene | 0.0200 | 0.0203 | 0.0200 | 0.0203 | 102 | 101 | 80-120 | 0 | 30 |
| Methyl Acetate | 0.0200 | 0.0210 | 0.0200 | 0.0203 | 105 | 102 | 64-130 | 3 | 30 |
| Methyl Tertiary Butyl Ether | 0.0200 | 0.0174 | 0.0200 | 0.0173 | 87 | 87 | 75-120 | 0 | 30 |
| 4-Methyl-2-pentanone | 0.100 | 0.105 | 0.100 | 0.102 | 105 | 102 | 62-133 | 2 | 30 |
| Methylcyclohexane | 0.0200 | 0.0234 | 0.0200 | 0.0235 | 117 | 118 | 67-121 | 1 | 30 |
| Methylene Chloride | 0.0200 | 0.0221 | 0.0200 | 0.0216 | 111 | 108 | 80-120 | 2 | 30 |
| Styrene | 0.0200 | 0.0194 | 0.0200 | 0.0195 | 97 | 98 | 80-120 | 1 | 30 |
| 1,1,1,2-Tetrachloroethane | 0.0200 | 0.0192 | 0.0200 | 0.0187 | 96 | 93 | 72-120 | 3 | 30 |
| Tetrachloroethene | 0.0200 | 0.0205 | 0.0200 | 0.0200 | 103 | 100 | 80-120 | 3 | 30 |
| Toluene | 0.0200 | 0.0199 | 0.0200 | 0.0195 | 99 | 98 | 80-120 | 2 | 30 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added mg/l | LCS Conc mg/l | LCSD Spike Added mg/l | LCSD Conc mg/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|-----------------------------|---|---------------|-----------------------|----------------|----------|-----------|-----------------|-----|---------|
| 1,2,4-Trichlorobenzene | 0.0200 | 0.0194 | 0.0200 | 0.0186 | 97 | 93 | 70-120 | 4 | 30 |
| 1,1,1-Trichloroethane | 0.0200 | 0.0188 | 0.0200 | 0.0189 | 94 | 95 | 67-126 | 1 | 30 |
| 1,1,2-Trichloroethane | 0.0200 | 0.0199 | 0.0200 | 0.0202 | 99 | 101 | 80-120 | 2 | 30 |
| Trichloroethene | 0.0200 | 0.0196 | 0.0200 | 0.0190 | 98 | 95 | 80-120 | 3 | 30 |
| Trichlorofluoromethane | 0.0200 | 0.0190 | 0.0200 | 0.0195 | 95 | 97 | 60-136 | 2 | 30 |
| Vinyl Chloride | 0.0200 | 0.0162 | 0.0200 | 0.0162 | 81 | 81 | 68-120 | 0 | 30 |
| Xylene (Total) | 0.0600 | 0.0584 | 0.0600 | 0.0583 | 97 | 97 | 80-120 | 0 | 30 |
| Batch number: W181702AA | Sample number(s): 9651303-9651304,9651307 | | | | | | | | |
| Acetone | 0.150 | 0.112 | 0.150 | 0.109 | 75 | 73 | 54-157 | 3 | 30 |
| Benzene | 0.0200 | 0.0209 | 0.0200 | 0.0204 | 104 | 102 | 80-120 | 2 | 30 |
| Bromodichloromethane | 0.0200 | 0.0196 | 0.0200 | 0.0191 | 98 | 96 | 71-120 | 2 | 30 |
| Bromoform | 0.0200 | 0.0172 | 0.0200 | 0.0170 | 86 | 85 | 59-120 | 1 | 30 |
| Bromomethane | 0.0200 | 0.0172 | 0.0200 | 0.0172 | 86 | 86 | 58-130 | 0 | 30 |
| 2-Butanone | 0.150 | 0.151 | 0.150 | 0.151 | 101 | 101 | 59-135 | 0 | 30 |
| Carbon Disulfide | 0.0200 | 0.0194 | 0.0200 | 0.0190 | 97 | 95 | 65-128 | 2 | 30 |
| Carbon Tetrachloride | 0.0200 | 0.0222 | 0.0200 | 0.0220 | 111 | 110 | 64-134 | 1 | 30 |
| Chlorobenzene | 0.0200 | 0.0196 | 0.0200 | 0.0194 | 98 | 97 | 80-120 | 1 | 30 |
| Chloroethane | 0.0200 | 0.0167 | 0.0200 | 0.0161 | 83 | 81 | 61-123 | 3 | 30 |
| Chloroform | 0.0200 | 0.0202 | 0.0200 | 0.0199 | 101 | 99 | 80-120 | 2 | 30 |
| Chloromethane | 0.0200 | 0.0171 | 0.0200 | 0.0168 | 85 | 84 | 63-120 | 1 | 30 |
| Cyclohexane | 0.0200 | 0.0215 | 0.0200 | 0.0206 | 108 | 103 | 67-121 | 4 | 30 |
| 1,2-Dibromo-3-chloropropane | 0.0200 | 0.0182 | 0.0200 | 0.0189 | 91 | 94 | 53-128 | 4 | 30 |
| Dibromochloromethane | 0.0200 | 0.0191 | 0.0200 | 0.0186 | 96 | 93 | 71-120 | 3 | 30 |
| 1,2-Dibromoethane | 0.0200 | 0.0195 | 0.0200 | 0.0191 | 97 | 95 | 75-120 | 2 | 30 |
| 1,2-Dichlorobenzene | 0.0200 | 0.0189 | 0.0200 | 0.0190 | 95 | 95 | 80-120 | 0 | 30 |
| 1,3-Dichlorobenzene | 0.0200 | 0.0191 | 0.0200 | 0.0192 | 96 | 96 | 80-120 | 1 | 30 |
| 1,4-Dichlorobenzene | 0.0200 | 0.0190 | 0.0200 | 0.0192 | 95 | 96 | 80-120 | 1 | 30 |
| Dichlorodifluoromethane | 0.0200 | 0.0172 | 0.0200 | 0.0162 | 86 | 81 | 47-124 | 6 | 30 |
| 1,1-Dichloroethane | 0.0200 | 0.0203 | 0.0200 | 0.0203 | 102 | 101 | 80-120 | 0 | 30 |
| 1,2-Dichloroethane | 0.0200 | 0.0198 | 0.0200 | 0.0194 | 99 | 97 | 73-124 | 2 | 30 |
| 1,1-Dichloroethene | 0.0200 | 0.0236 | 0.0200 | 0.0227 | 118 | 114 | 80-131 | 4 | 30 |
| cis-1,2-Dichloroethene | 0.0200 | 0.0203 | 0.0200 | 0.0204 | 101 | 102 | 80-120 | 1 | 30 |
| trans-1,2-Dichloroethene | 0.0200 | 0.0211 | 0.0200 | 0.0208 | 106 | 104 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | 0.0200 | 0.0211 | 0.0200 | 0.0208 | 106 | 104 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | 0.0200 | 0.0200 | 0.0200 | 0.0197 | 100 | 99 | 75-120 | 1 | 30 |
| trans-1,3-Dichloropropene | 0.0200 | 0.0196 | 0.0200 | 0.0195 | 98 | 98 | 76-120 | 0 | 30 |
| Ethylbenzene | 0.0200 | 0.0202 | 0.0200 | 0.0200 | 101 | 100 | 80-120 | 1 | 30 |
| Freon 113 | 0.0200 | 0.0202 | 0.0200 | 0.0195 | 101 | 98 | 68-137 | 4 | 30 |
| 2-Hexanone | 0.100 | 0.101 | 0.100 | 0.101 | 101 | 101 | 50-141 | 0 | 30 |
| Isopropylbenzene | 0.0200 | 0.0205 | 0.0200 | 0.0201 | 103 | 100 | 80-120 | 2 | 30 |
| Methyl Acetate | 0.0200 | 0.0204 | 0.0200 | 0.0207 | 102 | 103 | 64-130 | 2 | 30 |
| Methyl Tertiary Butyl Ether | 0.0200 | 0.0173 | 0.0200 | 0.0180 | 87 | 90 | 75-120 | 4 | 30 |
| 4-Methyl-2-pentanone | 0.100 | 0.103 | 0.100 | 0.103 | 103 | 103 | 62-133 | 1 | 30 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added mg/l | LCS Conc mg/l | LCSD Spike Added mg/l | LCSD Conc mg/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---------------------------|----------------------|---------------|-----------------------|----------------|----------|-----------|-----------------|-----|---------|
| Methylcyclohexane | 0.0200 | 0.0222 | 0.0200 | 0.0211 | 111 | 105 | 67-121 | 5 | 30 |
| Methylene Chloride | 0.0200 | 0.0226 | 0.0200 | 0.0221 | 113 | 110 | 80-120 | 2 | 30 |
| Styrene | 0.0200 | 0.0195 | 0.0200 | 0.0192 | 98 | 96 | 80-120 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | 0.0200 | 0.0185 | 0.0200 | 0.0187 | 93 | 94 | 72-120 | 1 | 30 |
| Tetrachloroethene | 0.0200 | 0.0208 | 0.0200 | 0.0202 | 104 | 101 | 80-120 | 3 | 30 |
| Toluene | 0.0200 | 0.0200 | 0.0200 | 0.0198 | 100 | 99 | 80-120 | 1 | 30 |
| 1,2,4-Trichlorobenzene | 0.0200 | 0.0193 | 0.0200 | 0.0191 | 96 | 96 | 70-120 | 1 | 30 |
| 1,1,1-Trichloroethane | 0.0200 | 0.0201 | 0.0200 | 0.0202 | 100 | 101 | 67-126 | 0 | 30 |
| 1,1,2-Trichloroethane | 0.0200 | 0.0204 | 0.0200 | 0.0197 | 102 | 98 | 80-120 | 4 | 30 |
| Trichloroethene | 0.0200 | 0.0197 | 0.0200 | 0.0194 | 98 | 97 | 80-120 | 2 | 30 |
| Trichlorofluoromethane | 0.0200 | 0.0187 | 0.0200 | 0.0183 | 93 | 91 | 60-136 | 2 | 30 |
| Vinyl Chloride | 0.0200 | 0.0165 | 0.0200 | 0.0159 | 82 | 80 | 68-120 | 3 | 30 |
| Xylene (Total) | 0.0600 | 0.0595 | 0.0600 | 0.0583 | 99 | 97 | 80-120 | 2 | 30 |

Batch number: W181711AA Sample number(s): 9651305-9651306,9651308

| | | | | | | | | | |
|-----------------------------|--------|--------|--|--|-----|--|--------|--|--|
| Acetone | 0.150 | 0.105 | | | 70 | | 54-157 | | |
| Benzene | 0.0200 | 0.0212 | | | 106 | | 80-120 | | |
| Bromodichloromethane | 0.0200 | 0.0197 | | | 99 | | 71-120 | | |
| Bromoform | 0.0200 | 0.0176 | | | 88 | | 59-120 | | |
| Bromomethane | 0.0200 | 0.0165 | | | 82 | | 58-130 | | |
| 2-Butanone | 0.150 | 0.148 | | | 99 | | 59-135 | | |
| Carbon Disulfide | 0.0200 | 0.0201 | | | 101 | | 65-128 | | |
| Carbon Tetrachloride | 0.0200 | 0.0226 | | | 113 | | 64-134 | | |
| Chlorobenzene | 0.0200 | 0.0200 | | | 100 | | 80-120 | | |
| Chloroethane | 0.0200 | 0.0158 | | | 79 | | 61-123 | | |
| Chloroform | 0.0200 | 0.0207 | | | 103 | | 80-120 | | |
| Chloromethane | 0.0200 | 0.0161 | | | 81 | | 63-120 | | |
| Cyclohexane | 0.0200 | 0.0233 | | | 117 | | 67-121 | | |
| 1,2-Dibromo-3-chloropropane | 0.0200 | 0.0186 | | | 93 | | 53-128 | | |
| Dibromochloromethane | 0.0200 | 0.0196 | | | 98 | | 71-120 | | |
| 1,2-Dibromoethane | 0.0200 | 0.0195 | | | 97 | | 75-120 | | |
| 1,2-Dichlorobenzene | 0.0200 | 0.0193 | | | 97 | | 80-120 | | |
| 1,3-Dichlorobenzene | 0.0200 | 0.0197 | | | 99 | | 80-120 | | |
| 1,4-Dichlorobenzene | 0.0200 | 0.0197 | | | 98 | | 80-120 | | |
| Dichlorodifluoromethane | 0.0200 | 0.0168 | | | 84 | | 47-124 | | |
| 1,1-Dichloroethane | 0.0200 | 0.0211 | | | 106 | | 80-120 | | |
| 1,2-Dichloroethane | 0.0200 | 0.0200 | | | 100 | | 73-124 | | |
| 1,1-Dichloroethene | 0.0200 | 0.0245 | | | 122 | | 80-131 | | |
| cis-1,2-Dichloroethene | 0.0200 | 0.0212 | | | 106 | | 80-120 | | |
| trans-1,2-Dichloroethene | 0.0200 | 0.0218 | | | 109 | | 80-120 | | |
| 1,2-Dichloropropane | 0.0200 | 0.0217 | | | 109 | | 80-120 | | |
| cis-1,3-Dichloropropene | 0.0200 | 0.0208 | | | 104 | | 75-120 | | |
| trans-1,3-Dichloropropene | 0.0200 | 0.0200 | | | 100 | | 76-120 | | |
| Ethylbenzene | 0.0200 | 0.0205 | | | 102 | | 80-120 | | |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added mg/l | LCS Conc mg/l | LCSD Spike Added mg/l | LCSD Conc mg/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|-----------------------------|---------------------------|---------------|-----------------------|----------------|----------|-----------|-----------------|-----|---------|
| Freon 113 | 0.0200 | 0.0222 | | | 111 | | 68-137 | | |
| 2-Hexanone | 0.100 | 0.101 | | | 101 | | 50-141 | | |
| Isopropylbenzene | 0.0200 | 0.0209 | | | 104 | | 80-120 | | |
| Methyl Acetate | 0.0200 | 0.0205 | | | 102 | | 64-130 | | |
| Methyl Tertiary Butyl Ether | 0.0200 | 0.0183 | | | 91 | | 75-120 | | |
| 4-Methyl-2-pentanone | 0.100 | 0.106 | | | 106 | | 62-133 | | |
| Methylcyclohexane | 0.0200 | 0.0240 | | | 120 | | 67-121 | | |
| Methylene Chloride | 0.0200 | 0.0227 | | | 114 | | 80-120 | | |
| Styrene | 0.0200 | 0.0199 | | | 100 | | 80-120 | | |
| 1,1,2,2-Tetrachloroethane | 0.0200 | 0.0191 | | | 96 | | 72-120 | | |
| Tetrachloroethene | 0.0200 | 0.0211 | | | 105 | | 80-120 | | |
| Toluene | 0.0200 | 0.0204 | | | 102 | | 80-120 | | |
| 1,2,4-Trichlorobenzene | 0.0200 | 0.0189 | | | 95 | | 70-120 | | |
| 1,1,1-Trichloroethane | 0.0200 | 0.0210 | | | 105 | | 67-126 | | |
| 1,1,2-Trichloroethane | 0.0200 | 0.0202 | | | 101 | | 80-120 | | |
| Trichloroethene | 0.0200 | 0.0204 | | | 102 | | 80-120 | | |
| Trichlorofluoromethane | 0.0200 | 0.0190 | | | 95 | | 60-136 | | |
| Vinyl Chloride | 0.0200 | 0.0159 | | | 80 | | 68-120 | | |
| Xylene (Total) | 0.0600 | 0.0601 | | | 100 | | 80-120 | | |
| Batch number: Y181704AA | Sample number(s): 9651309 | | | | | | | | |
| Acetone | 0.150 | 0.139 | 0.150 | 0.143 | 93 | 95 | 54-157 | 3 | 30 |
| Benzene | 0.0200 | 0.0205 | 0.0200 | 0.0207 | 102 | 103 | 80-120 | 1 | 30 |
| Bromodichloromethane | 0.0200 | 0.0189 | 0.0200 | 0.0189 | 94 | 94 | 71-120 | 0 | 30 |
| Bromoform | 0.0200 | 0.0170 | 0.0200 | 0.0172 | 85 | 86 | 59-120 | 1 | 30 |
| Bromomethane | 0.0200 | 0.0219 | 0.0200 | 0.0224 | 109 | 112 | 58-130 | 2 | 30 |
| 2-Butanone | 0.150 | 0.148 | 0.150 | 0.146 | 99 | 97 | 59-135 | 2 | 30 |
| Carbon Disulfide | 0.0200 | 0.0185 | 0.0200 | 0.0183 | 92 | 92 | 65-128 | 1 | 30 |
| Carbon Tetrachloride | 0.0200 | 0.0203 | 0.0200 | 0.0202 | 102 | 101 | 64-134 | 1 | 30 |
| Chlorobenzene | 0.0200 | 0.0206 | 0.0200 | 0.0207 | 103 | 104 | 80-120 | 1 | 30 |
| Chloroethane | 0.0200 | 0.0211 | 0.0200 | 0.0217 | 105 | 108 | 61-123 | 3 | 30 |
| Chloroform | 0.0200 | 0.0199 | 0.0200 | 0.0197 | 100 | 98 | 80-120 | 1 | 30 |
| Chloromethane | 0.0200 | 0.0204 | 0.0200 | 0.0206 | 102 | 103 | 63-120 | 1 | 30 |
| Cyclohexane | 0.0200 | 0.0214 | 0.0200 | 0.0219 | 107 | 109 | 67-121 | 2 | 30 |
| 1,2-Dibromo-3-chloropropane | 0.0200 | 0.0178 | 0.0200 | 0.0183 | 89 | 91 | 53-128 | 3 | 30 |
| Dibromochloromethane | 0.0200 | 0.0190 | 0.0200 | 0.0194 | 95 | 97 | 71-120 | 2 | 30 |
| 1,2-Dibromoethane | 0.0200 | 0.0201 | 0.0200 | 0.0202 | 100 | 101 | 75-120 | 1 | 30 |
| 1,2-Dichlorobenzene | 0.0200 | 0.0200 | 0.0200 | 0.0202 | 100 | 101 | 80-120 | 1 | 30 |
| 1,3-Dichlorobenzene | 0.0200 | 0.0199 | 0.0200 | 0.0201 | 100 | 101 | 80-120 | 1 | 30 |
| 1,4-Dichlorobenzene | 0.0200 | 0.0201 | 0.0200 | 0.0204 | 101 | 102 | 80-120 | 2 | 30 |
| Dichlorodifluoromethane | 0.0200 | 0.0196 | 0.0200 | 0.0197 | 98 | 98 | 47-124 | 0 | 30 |
| 1,1-Dichloroethane | 0.0200 | 0.0204 | 0.0200 | 0.0202 | 102 | 101 | 80-120 | 1 | 30 |
| 1,2-Dichloroethane | 0.0200 | 0.0189 | 0.0200 | 0.0183 | 95 | 91 | 73-124 | 4 | 30 |
| 1,1-Dichloroethene | 0.0200 | 0.0226 | 0.0200 | 0.0223 | 113 | 112 | 80-131 | 1 | 30 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added mg/l | LCS Conc mg/l | LCSD Spike Added mg/l | LCSD Conc mg/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|-----------------------------|-----------------------------------|---------------|-----------------------|----------------|----------|-----------|-----------------|-----|---------|
| cis-1,2-Dichloroethene | 0.0200 | 0.0222 | 0.0200 | 0.0212 | 111 | 106 | 80-120 | 4 | 30 |
| trans-1,2-Dichloroethene | 0.0200 | 0.0221 | 0.0200 | 0.0215 | 110 | 108 | 80-120 | 3 | 30 |
| 1,2-Dichloropropane | 0.0200 | 0.0208 | 0.0200 | 0.0206 | 104 | 103 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | 0.0200 | 0.0195 | 0.0200 | 0.0194 | 97 | 97 | 75-120 | 1 | 30 |
| trans-1,3-Dichloropropene | 0.0200 | 0.0191 | 0.0200 | 0.0195 | 95 | 98 | 76-120 | 3 | 30 |
| Ethylbenzene | 0.0200 | 0.0208 | 0.0200 | 0.0210 | 104 | 105 | 80-120 | 1 | 30 |
| Freon 113 | 0.0200 | 0.0229 | 0.0200 | 0.0226 | 115 | 113 | 68-137 | 1 | 30 |
| 2-Hexanone | 0.100 | 0.0981 | 0.100 | 0.102 | 98 | 102 | 50-141 | 4 | 30 |
| Isopropylbenzene | 0.0200 | 0.0211 | 0.0200 | 0.0214 | 106 | 107 | 80-120 | 1 | 30 |
| Methyl Acetate | 0.0200 | 0.0176 | 0.0200 | 0.0173 | 88 | 87 | 64-130 | 2 | 30 |
| Methyl Tertiary Butyl Ether | 0.0200 | 0.0185 | 0.0200 | 0.0186 | 93 | 93 | 75-120 | 0 | 30 |
| 4-Methyl-2-pentanone | 0.100 | 0.0993 | 0.100 | 0.101 | 99 | 101 | 62-133 | 2 | 30 |
| Methylcyclohexane | 0.0200 | 0.0210 | 0.0200 | 0.0209 | 105 | 104 | 67-121 | 1 | 30 |
| Methylene Chloride | 0.0200 | 0.0217 | 0.0200 | 0.0214 | 108 | 107 | 80-120 | 1 | 30 |
| Styrene | 0.0200 | 0.0214 | 0.0200 | 0.0215 | 107 | 108 | 80-120 | 0 | 30 |
| 1,1,2,2-Tetrachloroethane | 0.0200 | 0.0196 | 0.0200 | 0.0200 | 98 | 100 | 72-120 | 2 | 30 |
| Tetrachloroethene | 0.0200 | 0.0202 | 0.0200 | 0.0205 | 101 | 103 | 80-120 | 2 | 30 |
| Toluene | 0.0200 | 0.0209 | 0.0200 | 0.0211 | 105 | 106 | 80-120 | 1 | 30 |
| 1,2,4-Trichlorobenzene | 0.0200 | 0.0182 | 0.0200 | 0.0179 | 91 | 89 | 70-120 | 2 | 30 |
| 1,1,1-Trichloroethane | 0.0200 | 0.0205 | 0.0200 | 0.0201 | 102 | 101 | 67-126 | 2 | 30 |
| 1,1,2-Trichloroethane | 0.0200 | 0.0205 | 0.0200 | 0.0211 | 102 | 105 | 80-120 | 3 | 30 |
| Trichloroethene | 0.0200 | 0.0206 | 0.0200 | 0.0201 | 103 | 101 | 80-120 | 2 | 30 |
| Trichlorofluoromethane | 0.0200 | 0.0196 | 0.0200 | 0.0193 | 98 | 97 | 60-136 | 1 | 30 |
| Vinyl Chloride | 0.0200 | 0.0207 | 0.0200 | 0.0209 | 103 | 104 | 68-120 | 1 | 30 |
| Xylene (Total) | 0.0600 | 0.0628 | 0.0600 | 0.0637 | 105 | 106 | 80-120 | 1 | 30 |
| | mg/l | mg/l | mg/l | mg/l | | | | | |
| Batch number: 18164WAD026 | Sample number(s): 9651301-9651308 | | | | | | | | |
| Acenaphthene | 0.00100 | 0.000916 | 0.00100 | 0.000943 | 92 | 94 | 69-121 | 3 | 30 |
| Acenaphthylene | 0.00100 | 0.000751 | 0.00100 | 0.000759 | 75 | 76 | 39-103 | 1 | 30 |
| Anthracene | 0.00100 | 0.000875 | 0.00100 | 0.000853 | 87 | 85 | 55-106 | 2 | 30 |
| Benzo(a)anthracene | 0.00100 | 0.000867 | 0.00100 | 0.000882 | 87 | 88 | 65-116 | 2 | 30 |
| Benzo(a)pyrene | 0.00100 | 0.000934 | 0.00100 | 0.000932 | 93 | 93 | 60-114 | 0 | 30 |
| Benzo(b)fluoranthene | 0.00100 | 0.000934 | 0.00100 | 0.000933 | 93 | 93 | 71-117 | 0 | 30 |
| Benzo(g,h,i)perylene | 0.00100 | 0.000869 | 0.00100 | 0.000865 | 87 | 86 | 60-109 | 0 | 30 |
| Benzo(k)fluoranthene | 0.00100 | 0.000886 | 0.00100 | 0.000883 | 89 | 88 | 63-117 | 0 | 30 |
| Chrysene | 0.00100 | 0.000893 | 0.00100 | 0.000885 | 89 | 89 | 66-107 | 1 | 30 |
| Dibenz(a,h)anthracene | 0.00100 | 0.000941 | 0.00100 | 0.000937 | 94 | 94 | 66-114 | 0 | 30 |
| Fluoranthene | 0.00100 | 0.000892 | 0.00100 | 0.000898 | 89 | 90 | 60-115 | 1 | 30 |
| Fluorene | 0.00100 | 0.000872 | 0.00100 | 0.000883 | 87 | 88 | 57-113 | 1 | 30 |
| Indeno(1,2,3-cd)pyrene | 0.00100 | 0.000890 | 0.00100 | 0.000890 | 89 | 89 | 63-110 | 0 | 30 |
| Naphthalene | 0.00100 | 0.000774 | 0.00100 | 0.000805 | 77 | 81 | 56-102 | 4 | 30 |
| Phenanthrene | 0.00100 | 0.000826 | 0.00100 | 0.000837 | 83 | 84 | 64-105 | 1 | 30 |
| Pyrene | 0.00100 | 0.000840 | 0.00100 | 0.000852 | 84 | 85 | 57-112 | 1 | 30 |

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added mg/l | LCS Conc mg/l | LCSD Spike Added mg/l | LCSD Conc mg/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|----------------------|---------------|-----------------------|----------------|----------|-----------|-----------------|-----|---------|
| | mg/l | mg/l | mg/l | mg/l | | | | | |
| Batch number: 181660049A DRO C10-C25 | 4.00 | 3.67 | 4.00 | 3.40 | 92 | 85 | 75-125 | 7 | 20 |

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

| Analysis Name | Unspiked Conc mg/l | MS Spike Added mg/l | MS Conc mg/l | MSD Spike Added mg/l | MSD Conc mg/l | MS %Rec | MSD %Rec | MS/MSD Limits | RPD | RPD Max |
|-----------------------------|--|---------------------|--------------|----------------------|---------------|---------|----------|---------------|-----|---------|
| Batch number: W181711AA | Sample number(s): 9651305-9651306,9651308 UNSPK: P651107 | | | | | | | | | |
| Acetone | N.D. | 0.150 | 0.115 | 0.150 | 0.113 | 77 | 75 | 54-157 | 2 | 30 |
| Benzene | N.D. | 0.0200 | 0.0219 | 0.0200 | 0.0224 | 110 | 112 | 80-120 | 2 | 30 |
| Bromodichloromethane | N.D. | 0.0200 | 0.0202 | 0.0200 | 0.0207 | 101 | 104 | 71-120 | 2 | 30 |
| Bromoform | N.D. | 0.0200 | 0.0172 | 0.0200 | 0.0182 | 86 | 91 | 59-120 | 6 | 30 |
| Bromomethane | N.D. | 0.0200 | 0.0186 | 0.0200 | 0.0183 | 93 | 92 | 58-130 | 2 | 30 |
| 2-Butanone | N.D. | 0.150 | 0.151 | 0.150 | 0.160 | 100 | 106 | 59-135 | 6 | 30 |
| Carbon Disulfide | N.D. | 0.0200 | 0.0216 | 0.0200 | 0.0216 | 108 | 108 | 65-128 | 0 | 30 |
| Carbon Tetrachloride | N.D. | 0.0200 | 0.0248 | 0.0200 | 0.0254 | 124 | 127 | 64-134 | 2 | 30 |
| Chlorobenzene | N.D. | 0.0200 | 0.0203 | 0.0200 | 0.0210 | 102 | 105 | 80-120 | 3 | 30 |
| Chloroethane | N.D. | 0.0200 | 0.0179 | 0.0200 | 0.0174 | 90 | 87 | 61-123 | 3 | 30 |
| Chloroform | N.D. | 0.0200 | 0.0215 | 0.0200 | 0.0219 | 107 | 109 | 80-120 | 2 | 30 |
| Chloromethane | N.D. | 0.0200 | 0.0182 | 0.0200 | 0.0182 | 91 | 91 | 63-120 | 0 | 30 |
| Cyclohexane | N.D. | 0.0200 | 0.0257 | 0.0200 | 0.0247 | 129* | 123* | 67-121 | 4 | 30 |
| 1,2-Dibromo-3-chloropropane | N.D. | 0.0200 | 0.0181 | 0.0200 | 0.0193 | 91 | 97 | 53-128 | 7 | 30 |
| Dibromochloromethane | N.D. | 0.0200 | 0.0195 | 0.0200 | 0.0200 | 98 | 100 | 71-120 | 2 | 30 |
| 1,2-Dibromoethane | N.D. | 0.0200 | 0.0197 | 0.0200 | 0.0197 | 99 | 99 | 75-120 | 0 | 30 |
| 1,2-Dichlorobenzene | N.D. | 0.0200 | 0.0196 | 0.0200 | 0.0200 | 98 | 100 | 80-120 | 2 | 30 |
| 1,3-Dichlorobenzene | N.D. | 0.0200 | 0.0203 | 0.0200 | 0.0204 | 101 | 102 | 80-120 | 1 | 30 |
| 1,4-Dichlorobenzene | N.D. | 0.0200 | 0.0200 | 0.0200 | 0.0201 | 100 | 101 | 80-120 | 1 | 30 |
| Dichlorodifluoromethane | N.D. | 0.0200 | 0.0206 | 0.0200 | 0.0193 | 103 | 97 | 47-124 | 6 | 30 |
| 1,1-Dichloroethane | 0.000676 | 0.0200 | 0.0226 | 0.0200 | 0.0232 | 109 | 113 | 80-120 | 3 | 30 |
| 1,2-Dichloroethane | N.D. | 0.0200 | 0.0199 | 0.0200 | 0.0207 | 99 | 104 | 73-124 | 4 | 30 |
| 1,1-Dichloroethene | N.D. | 0.0200 | 0.0257 | 0.0200 | 0.0258 | 128 | 129 | 80-131 | 1 | 30 |
| cis-1,2-Dichloroethene | 0.00335 | 0.0200 | 0.0254 | 0.0200 | 0.0259 | 110 | 113 | 80-120 | 2 | 30 |
| trans-1,2-Dichloroethene | N.D. | 0.0200 | 0.0227 | 0.0200 | 0.0232 | 113 | 116 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | N.D. | 0.0200 | 0.0221 | 0.0200 | 0.0224 | 110 | 112 | 80-120 | 2 | 30 |
| cis-1,3-Dichloropropene | N.D. | 0.0200 | 0.0208 | 0.0200 | 0.0209 | 104 | 105 | 75-120 | 1 | 30 |
| trans-1,3-Dichloropropene | N.D. | 0.0200 | 0.0200 | 0.0200 | 0.0210 | 100 | 105 | 76-120 | 5 | 30 |
| Ethylbenzene | N.D. | 0.0200 | 0.0216 | 0.0200 | 0.0219 | 108 | 109 | 80-120 | 1 | 30 |

*- Outside of specification

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(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

| Analysis Name | Unspiked Conc mg/l | MS Spike Added mg/l | MS Conc mg/l | MSD Spike Added mg/l | MSD Conc mg/l | MS %Rec | MSD %Rec | MS/MSD Limits | RPD | RPD Max |
|-----------------------------|--------------------|---------------------|--------------|----------------------|---------------|---------|----------|---------------|-----|---------|
| Freon 113 | N.D. | 0.0200 | 0.0251 | 0.0200 | 0.0238 | 125 | 119 | 68-137 | 5 | 30 |
| 2-Hexanone | N.D. | 0.100 | 0.0999 | 0.100 | 0.105 | 100 | 105 | 50-141 | 5 | 30 |
| Isopropylbenzene | N.D. | 0.0200 | 0.0219 | 0.0200 | 0.0222 | 110 | 111 | 80-120 | 1 | 30 |
| Methyl Acetate | N.D. | 0.0200 | 0.0198 | 0.0200 | 0.0207 | 99 | 104 | 64-130 | 5 | 30 |
| Methyl Tertiary Butyl Ether | N.D. | 0.0200 | 0.0177 | 0.0200 | 0.0188 | 89 | 94 | 75-120 | 6 | 30 |
| 4-Methyl-2-pentanone | N.D. | 0.100 | 0.102 | 0.100 | 0.109 | 102 | 109 | 62-133 | 6 | 30 |
| Methylcyclohexane | N.D. | 0.0200 | 0.0248 | 0.0200 | 0.0247 | 124* | 123* | 67-121 | 1 | 30 |
| Methylene Chloride | N.D. | 0.0200 | 0.0226 | 0.0200 | 0.0230 | 113 | 115 | 80-120 | 2 | 30 |
| Styrene | N.D. | 0.0200 | 0.0206 | 0.0200 | 0.0210 | 103 | 105 | 80-120 | 2 | 30 |
| 1,1,2,2-Tetrachloroethane | N.D. | 0.0200 | 0.0191 | 0.0200 | 0.0192 | 95 | 96 | 72-120 | 1 | 30 |
| Tetrachloroethene | 0.0378 | 0.0200 | 0.0626 | 0.0200 | 0.0595 | 124* | 109 | 80-120 | 5 | 30 |
| Toluene | N.D. | 0.0200 | 0.0211 | 0.0200 | 0.0216 | 105 | 108 | 80-120 | 2 | 30 |
| 1,2,4-Trichlorobenzene | N.D. | 0.0200 | 0.0195 | 0.0200 | 0.0203 | 98 | 101 | 70-120 | 4 | 30 |
| 1,1,1-Trichloroethane | 0.00226 | 0.0200 | 0.0248 | 0.0200 | 0.0248 | 113 | 113 | 67-126 | 0 | 30 |
| 1,1,2-Trichloroethane | N.D. | 0.0200 | 0.0207 | 0.0200 | 0.0210 | 104 | 105 | 80-120 | 1 | 30 |
| Trichloroethene | 0.00460 | 0.0200 | 0.0262 | 0.0200 | 0.0261 | 108 | 108 | 80-120 | 0 | 30 |
| Trichlorofluoromethane | N.D. | 0.0200 | 0.0228 | 0.0200 | 0.0216 | 114 | 108 | 60-136 | 5 | 30 |
| Vinyl Chloride | N.D. | 0.0200 | 0.0184 | 0.0200 | 0.0176 | 92 | 88 | 68-120 | 5 | 30 |
| Xylene (Total) | N.D. | 0.0600 | 0.0629 | 0.0600 | 0.0636 | 105 | 106 | 80-120 | 1 | 30 |

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL 4.3 VOCs
Batch number: W181701AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 9651301 | 100 | 101 | 98 | 96 |
| 9651302 | 101 | 101 | 98 | 99 |
| Blank | 99 | 100 | 98 | 98 |
| LCS | 99 | 103 | 98 | 101 |
| LCSD | 99 | 103 | 99 | 101 |
| Limits: | 80-120 | 80-120 | 80-120 | 80-120 |

Analysis Name: TCL 4.3 VOCs
Batch number: W181702AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 9651303 | 100 | 101 | 98 | 100 |
| 9651304 | 99 | 102 | 98 | 99 |

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL 4.3 VOCs
Batch number: W181702AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 9651307 | 99 | 103 | 98 | 105 |
| Blank | 99 | 100 | 98 | 98 |
| LCS | 100 | 98 | 100 | 102 |
| LCSD | 98 | 103 | 99 | 101 |
| Limits: | 80-120 | 80-120 | 80-120 | 80-120 |

Analysis Name: TCL 4.3 VOCs
Batch number: W181711AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 9651305 | 98 | 99 | 98 | 97 |
| 9651306 | 99 | 100 | 98 | 102 |
| 9651308 | 99 | 101 | 97 | 100 |
| Blank | 99 | 101 | 98 | 98 |
| LCS | 100 | 103 | 98 | 100 |
| MS | 100 | 98 | 99 | 100 |
| MSD | 99 | 103 | 99 | 101 |
| Limits: | 80-120 | 80-120 | 80-120 | 80-120 |

Analysis Name: TCL 4.3 VOCs
Batch number: Y181704AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 9651309 | 97 | 101 | 98 | 92 |
| Blank | 97 | 100 | 98 | 92 |
| LCS | 97 | 99 | 99 | 97 |
| LCSD | 96 | 100 | 100 | 98 |
| Limits: | 80-120 | 80-120 | 80-120 | 80-120 |

Analysis Name: SIM SVOAs 8270D, water
Batch number: 18164WAD026

| | Fluoranthene-d10 | Benzo(a)pyrene-d12 | 1-Methylnaphthalene-d10 |
|---------|------------------|--------------------|-------------------------|
| 9651301 | 91 | 74 | 85 |
| 9651302 | 88 | 76 | 96 |
| 9651303 | 87 | 64 | 114 |
| 9651304 | 93 | 76 | 93 |
| 9651305 | 90 | 80 | 86 |
| 9651306 | 96 | 73 | 92 |
| 9651307 | 91 | 79 | 151* |
| 9651308 | 92 | 71 | 90 |
| Blank | 89 | 89 | 83 |

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/21/2018 11:59

Group Number: 1953274

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: SIM SVOAs 8270D, water
Batch number: 18164WAD026

| | Fluoranthene-d10 | Benzo(a)pyrene-d12 | 1-Methylnaphthalene-d10 |
|---------|------------------|--------------------|-------------------------|
| LCS | 92 | 93 | 83 |
| LCSD | 92 | 91 | 82 |
| Limits: | 51-120 | 57-122 | 54-120 |

Analysis Name: AK 102-SV DRO
Batch number: 181660049A

| | Orthoterphenyl |
|---------|----------------|
| 9651301 | 91 |
| 9651302 | 95 |
| 9651303 | 67 |
| 9651304 | 90 |
| 9651307 | 84 |
| Limits: | 50-150 |

| | Orthoterphenyl |
|---------|----------------|
| Blank | 92 |
| LCS | 91 |
| LCSD | 84 |
| Limits: | 60-120 |

*- Outside of specification

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P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron Generic Analysis Request/Chain of Custody



Lancaster Laboratories

Acct. # 10880

For Lancaster Laboratories use only
 Group # 1933274 Sample # 9651301-09
Instructions on reverse side correspond with circled numbers.

| 1 Client Information | | | 4 Matrix | | | 5 Analyses Requested | | | | | | | | | | | | | | | | |
|--|---------------|-------------|---|------|-------------------------------------|---|----------|----------------------------|-------------------------------------|-------------------------------------|------|------------|------|-------------------------------------|------|--------------------|------|-------|-------|--------|----------------|-------------------------------------|
| Facility # <u>CHEVRON 95799</u> WBS | | | Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Total Number of Containers _____ BTEX + MTBE - 8021 <input type="checkbox"/> 8260 <input checked="" type="checkbox"/> Naphth <input checked="" type="checkbox"/> 8260 full scan 8260 Oxygenates _____ TPHG _____ AK102 TPHD _____ Lead Total <input type="checkbox"/> Diss. <input type="checkbox"/> Method _____ VPH/EPH Method _____ PAHs by 8260 | | | SCR #: _____ <input type="checkbox"/> Results in Dry Weight <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds <input type="checkbox"/> 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run _____ oxy/s on highest hit <input type="checkbox"/> Run _____ oxy/s on all hits | | | | | | | | | | | | | | | | |
| Site Address <u>2500 SEWARD HWY, ANCHORAGE, AK</u> | | | | | | | | | | | | | | | | | | | | | | |
| Chevron PM <u>DAN CARRIER</u> Lead Consultant <u>GHD</u> | | | | | | | | | | | | | | | | | | | | | | |
| Consultant/Office <u>5610 SILVERADO WAY, ANCHORAGE, AK</u> | | | | | | | | | | | | | | | | | | | | | | |
| Consultant Project Mgr. <u>SHOBHAN PRITCHARD</u> | | | | | | | | | | | | | | | | | | | | | | |
| Consultant Phone # <u>(720) 974-0963</u> | | | | | | | | | | | | | | | | | | | | | | |
| Sampler <u>O. YAN / T. WEAVER</u> | | | 3 Composite | | | | | | | | | | | | | | | | | | | |
| 2 Sample Identification | | Collected | | Grab | Soil | Water | Oil | Total Number of Containers | BTEX + MTBE - 8021 | 8260 full scan | 8260 | Oxygenates | TPHG | AK102 | TPHD | Silica Gel Cleanup | Lead | Total | Diss. | Method | VPH/EPH Method | PAHs by 8260 |
| Date | Time | Soil | Water | | | | | | | | | | | | | | | | | | | |
| <u>MW-15-W-180606</u> | <u>6/6/18</u> | <u>1440</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>MW-12-W-180606</u> | <u>6/6/18</u> | <u>1542</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>MW-11R-W-180606</u> | <u>6/6/18</u> | <u>1650</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>MW-2R-W-180607</u> | <u>6/7/18</u> | <u>0822</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>OS-3-W-180607</u> | <u>6/7/18</u> | <u>0928</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>OS-2-W-180607</u> | <u>6/7/18</u> | <u>1038</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>DUP-1-W-180606</u> | <u>6/6/18</u> | <u>-</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>DUP-2-W-180607</u> | <u>6/7/18</u> | <u>-</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | <u>7</u> | <u>7</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |
| <u>QA-1-W-180607</u> | <u>-</u> | <u>-</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <u>TB</u> | <u>2</u> | <u>2</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | | | | | | | | <input checked="" type="checkbox"/> |

6 Remarks
 EMAIL RESULTS TO:
SHOBHAN.PRITCHARD@GHD.COM

| | | | | | | | |
|---|--|--|---|--|---|---|--|
| 7 Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> Standard 5 day 4 day 72 hour 48 hour 24 hour | | | Relinquished by <u>[Signature]</u> Date <u>6/8/18</u> Time <u>0740</u> | | Received by _____ Date _____ Time _____ | | |
| | | | Relinquished by _____ Date _____ Time _____ | | Received by _____ Date _____ Time _____ | | |
| 8 Data Package Options (please circle if required) Type I - Full Type VI (Raw Data) <input checked="" type="radio"/> Alaska/Type III | | | Relinquished by Commercial Carrier: UPS _____ FedEx <input checked="" type="checkbox"/> Other _____ | | | Received by <u>[Signature]</u> Date <u>6/19/18</u> Time <u>1010</u> | |
| | | | Temperature Upon Receipt <u>1, 1, 2, 2, 2, 10</u> | | | Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |



Client: Chevron

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 06/09/2018 10:10
 Number of Packages: 3 Number of Projects: 2

Arrival Condition Summary

| | | | |
|--------------------------------------|-----|-------------------------------------|-----------|
| Shipping Container Sealed: | Yes | Sample IDs on COC match Containers: | No |
| Custody Seal Present: | Yes | Sample Date/Times match COC: | Yes |
| Custody Seal Intact: | Yes | VOA Vial Headspace \geq 6mm: | Yes |
| Samples Chilled: | Yes | VOA IDs (\geq 6mm): | See Below |
| Paperwork Enclosed: | Yes | Total Trip Blank Qty: | 2 |
| Samples Intact: | Yes | Trip Blank Type: | HCI |
| Missing Samples: | No | Air Quality Samples Present: | No |
| Extra Samples: | No | | |
| Discrepancy in Container Qty on COC: | No | | |

VOA Vial IDs (Headspace \geq 6mm): OS-3-W-180607, OS-2-W-180607

Unpacked by Nicole Reiff (25684) at 14:05 on 06/09/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

| Cooler # | Thermometer ID | Corrected Temp | Therm. Type | Ice Type | Ice Present? | Ice Container | Elevated Temp? |
|----------|----------------|----------------|-------------|----------|--------------|---------------|----------------|
| 1 | DT146 | 2.1 | DT | Wet | Y | Bagged | N |
| 2 | DT146 | 2.2 | DT | Wet | Y | Bagged | N |
| 3 | DT146 | 1.1 | DT | Wet | Y | Bagged | N |

Sample ID Discrepancy Details

| <u>Sample ID on COC</u> | <u>Sample ID on Label</u> | <u>Comments</u> |
|-------------------------|---------------------------|--------------------|
| MW-11R-W-180606 | MW-11-W-180606 | Just vials & 30's. |

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

| | | | |
|-------------------------|--|-----------------|-------------------------------|
| BMQL | Below Minimum Quantitation Level | mg | milligram(s) |
| C | degrees Celsius | mL | milliliter(s) |
| cfu | colony forming units | MPN | Most Probable Number |
| CP Units | cobalt-chloroplatinate units | N.D. | non-detect |
| F | degrees Fahrenheit | ng | nanogram(s) |
| g | gram(s) | NTU | nephelometric turbidity units |
| IU | International Units | pg/L | picogram/liter |
| kg | kilogram(s) | RL | Reporting Limit |
| L | liter(s) | TNTC | Too Numerous To Count |
| lb. | pound(s) | µg | microgram(s) |
| m3 | cubic meter(s) | µL | microliter(s) |
| meq | milliequivalents | umhos/cm | micromhos/cm |
| < | less than | | |
| > | greater than | | |
| ppm | parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas. | | |
| ppb | parts per billion | | |
| Dry weight basis | Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis. | | |

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

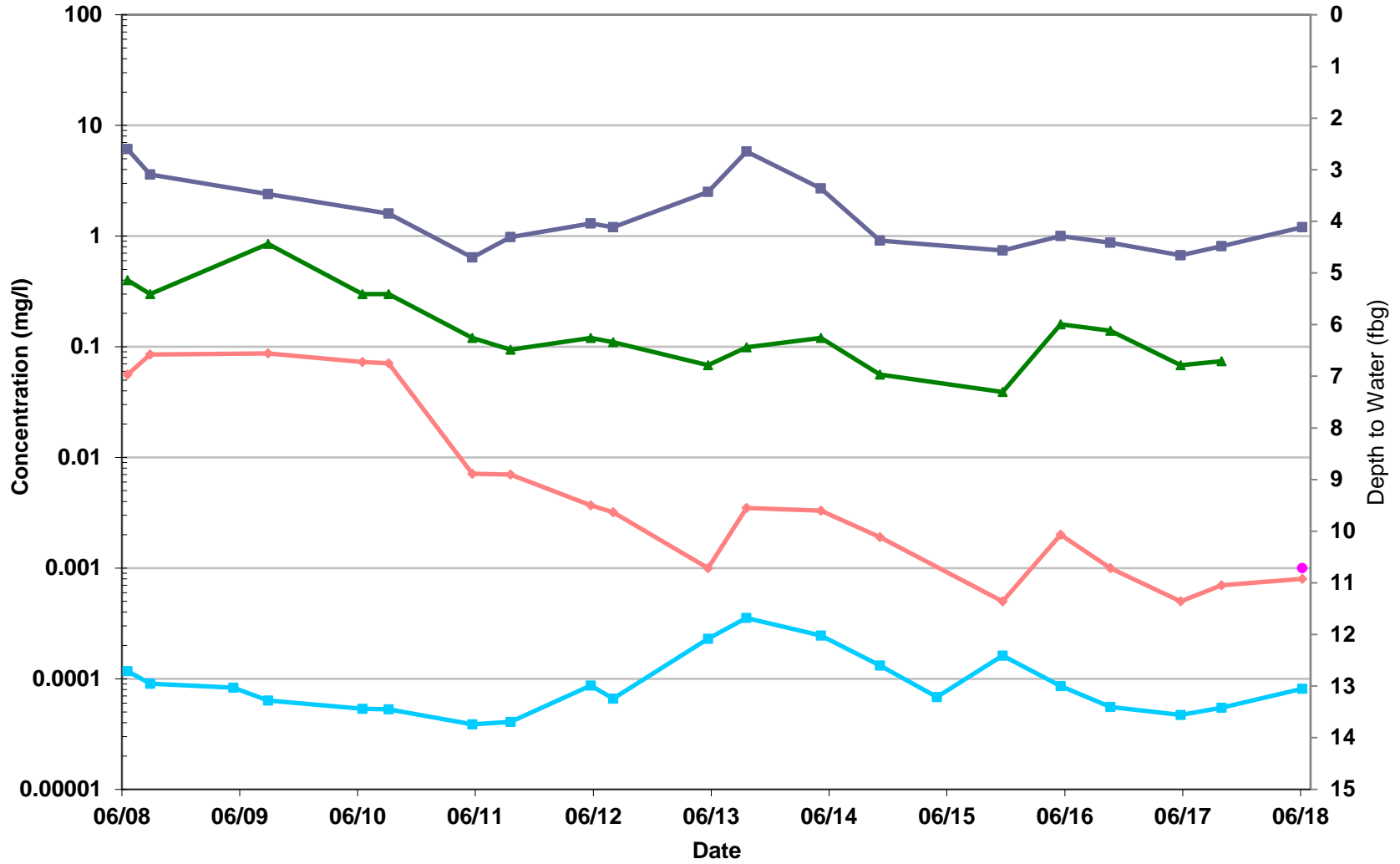
| Qualifier | Definition |
|----------------|---|
| C | Result confirmed by reanalysis |
| D1 | Indicates for dual column analyses that the result is reported from column 1 |
| D2 | Indicates for dual column analyses that the result is reported from column 2 |
| E | Concentration exceeds the calibration range |
| K1 | Initial Calibration Blank is above the QC limit and the sample result is ND |
| K2 | Continuing Calibration Blank is above the QC limit and the sample result is ND |
| K3 | Initial Calibration Verification is above the QC limit and the sample result is ND |
| K4 | Continuing Calibration Verification is above the QC limit and the sample result is ND |
| J (or G, I, X) | Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL) |
| P | Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported. |
| U | Analyte was not detected at the value indicated |
| V | Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference. |
| W | The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L. |
| Z | Laboratory Defined - see analysis report |

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Appendix E

Petroleum Hydrocarbon Concentration Graphs

MW-1R

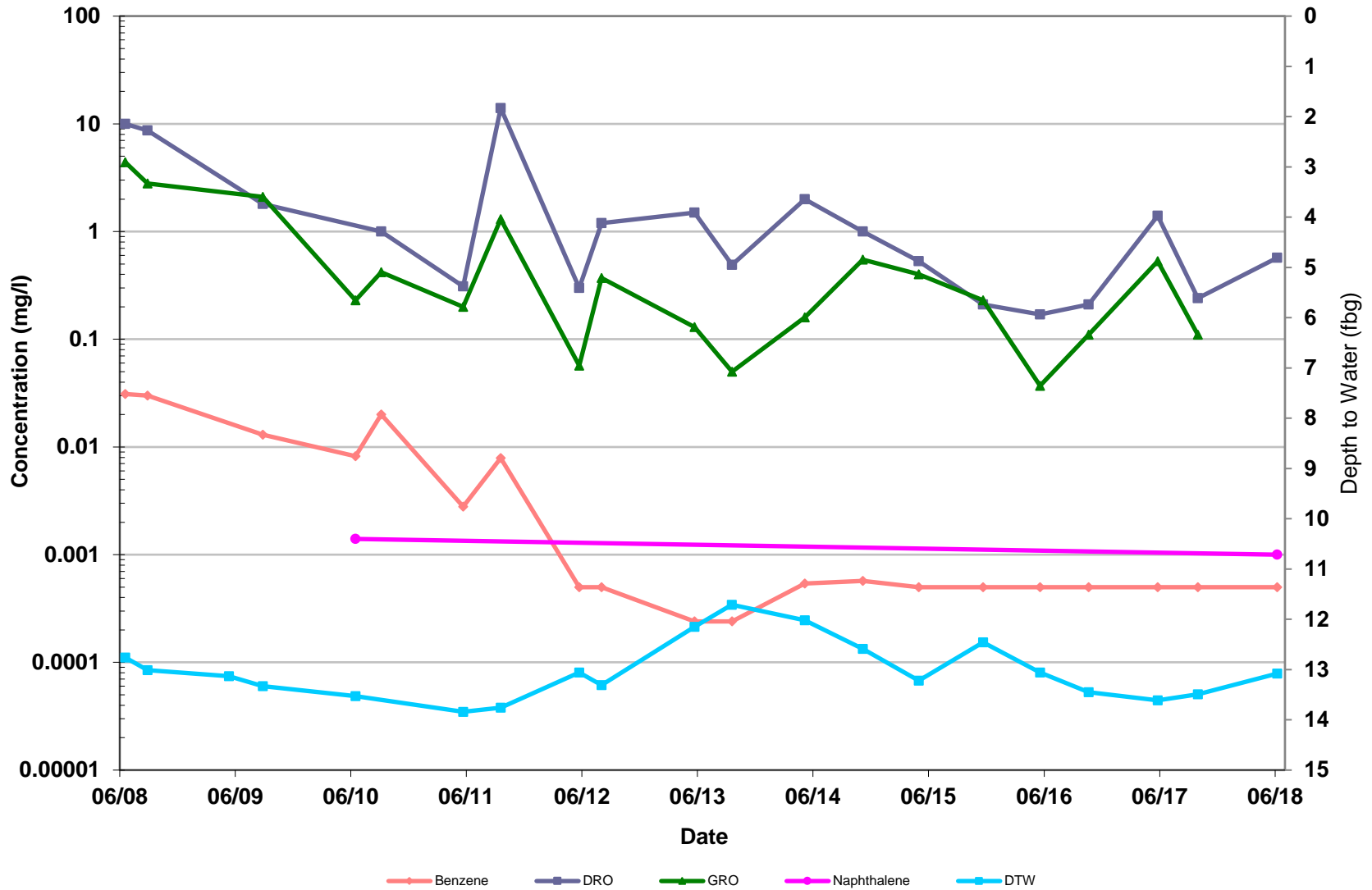


—◆— Benzene —■— DRO —▲— GRO —●— Naphthalene —■— DTW



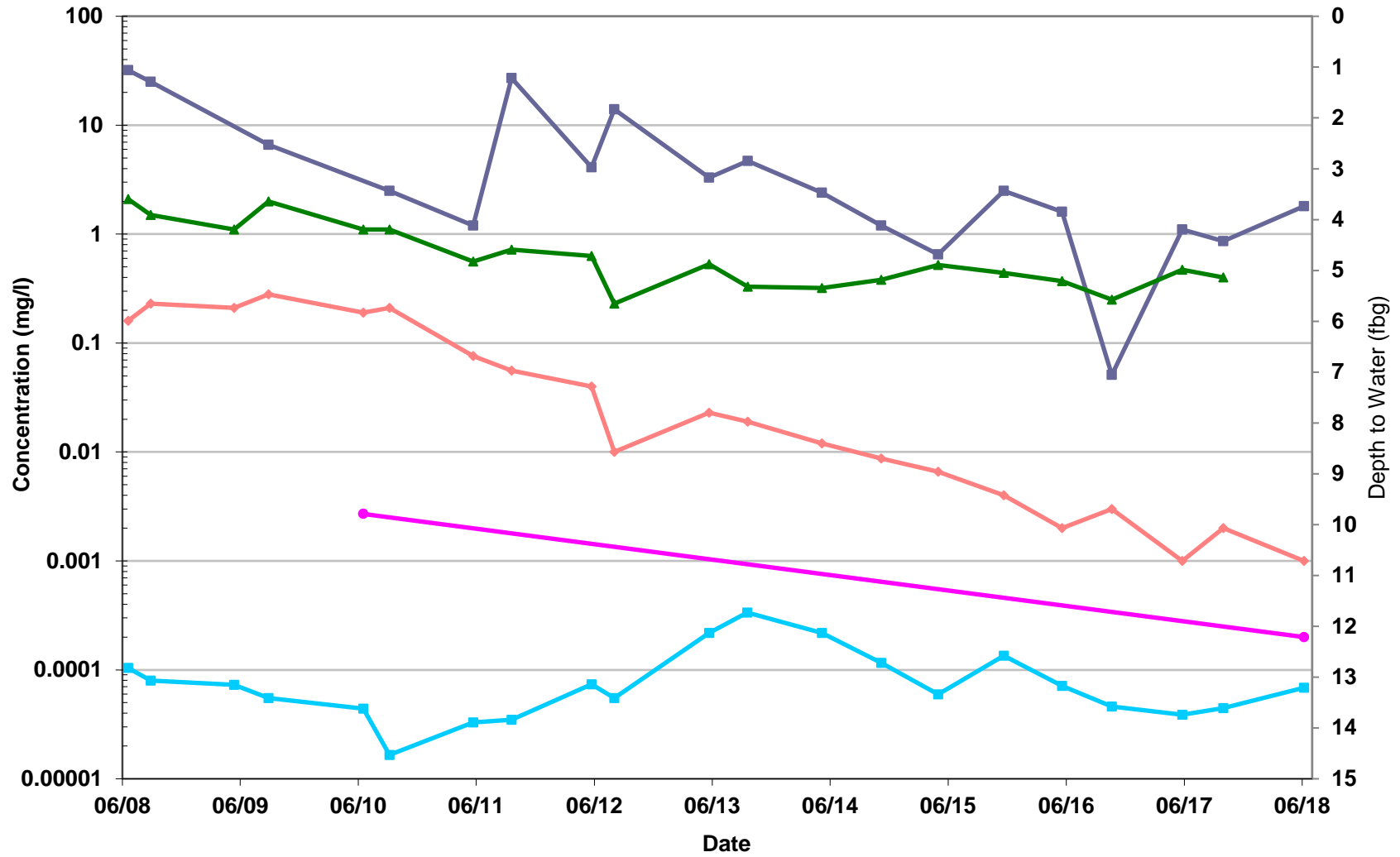
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

MW-2R



Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

MW-11R

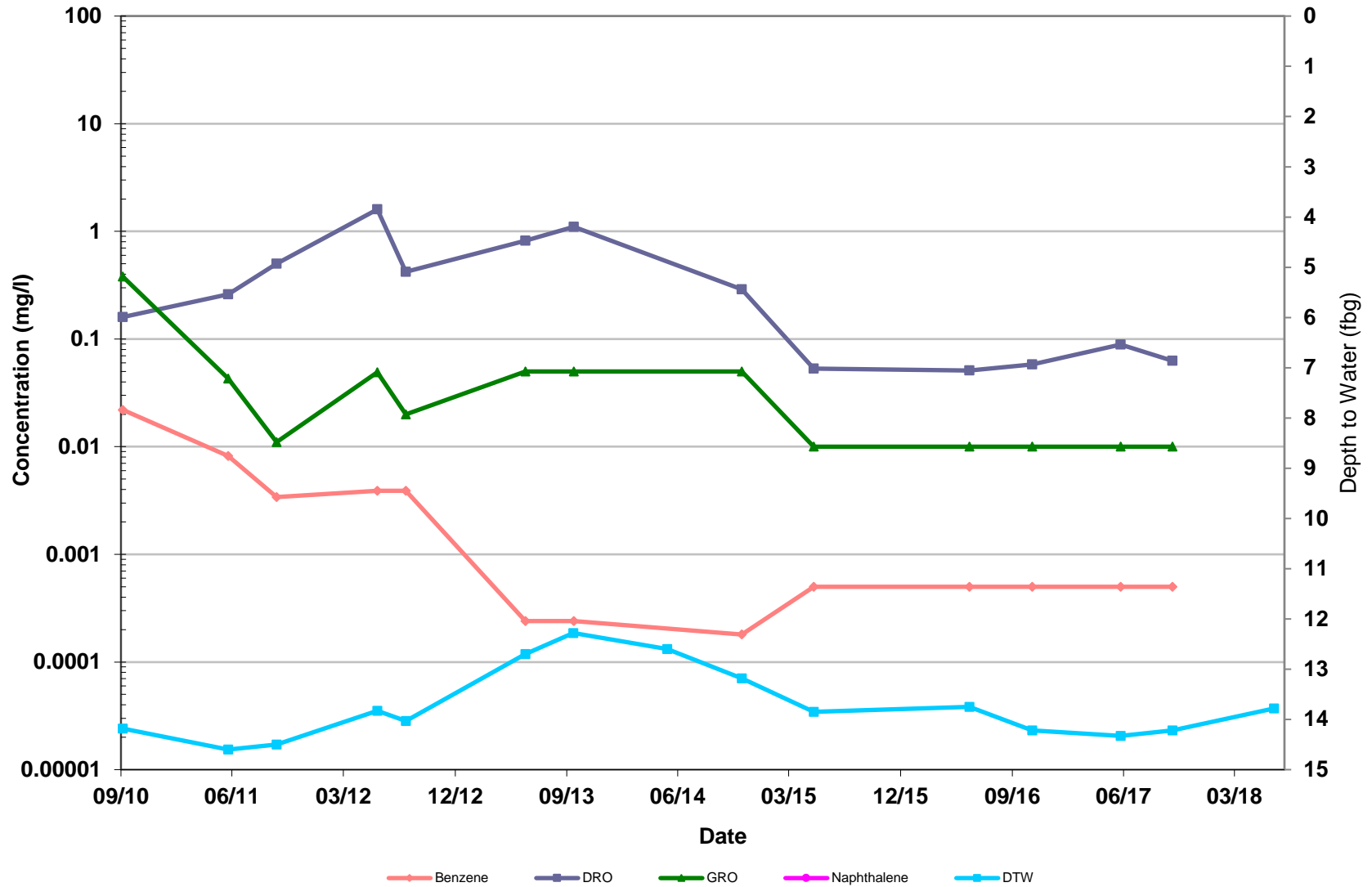


—◆— Benzene —■— DRO —▲— GRO —●— Naphthalene —□— DTW



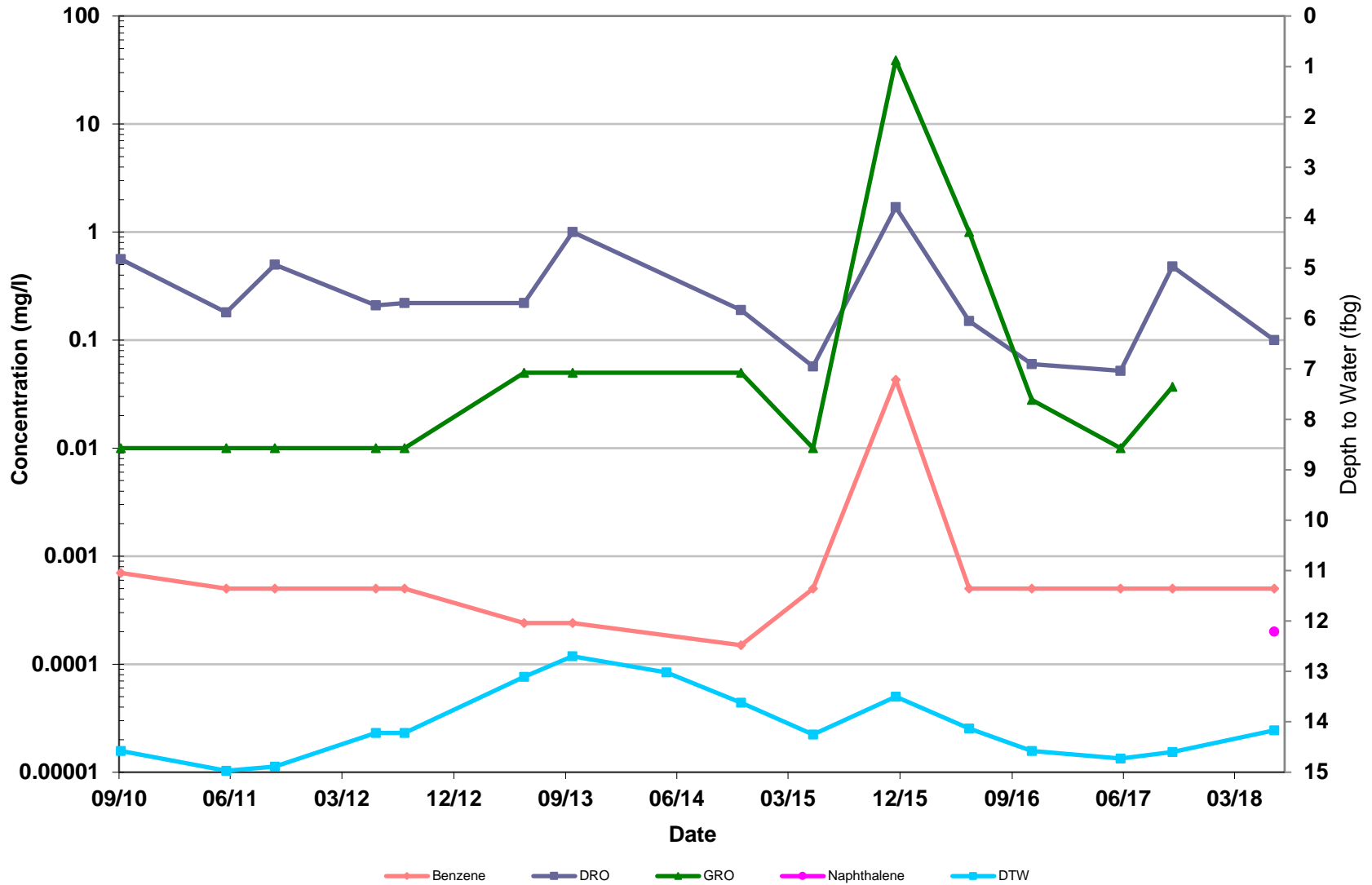
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

MW-14



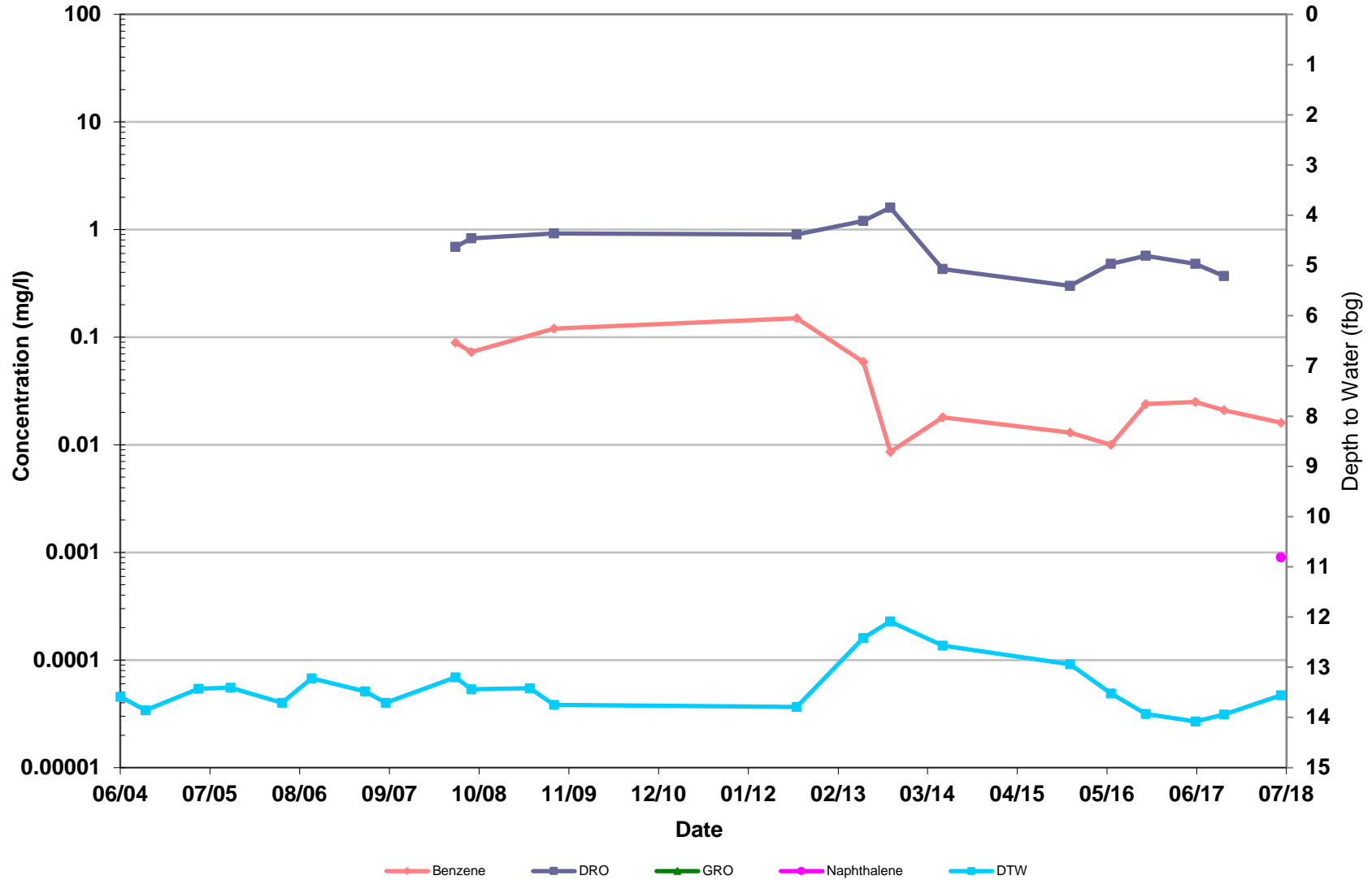
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

MW-15



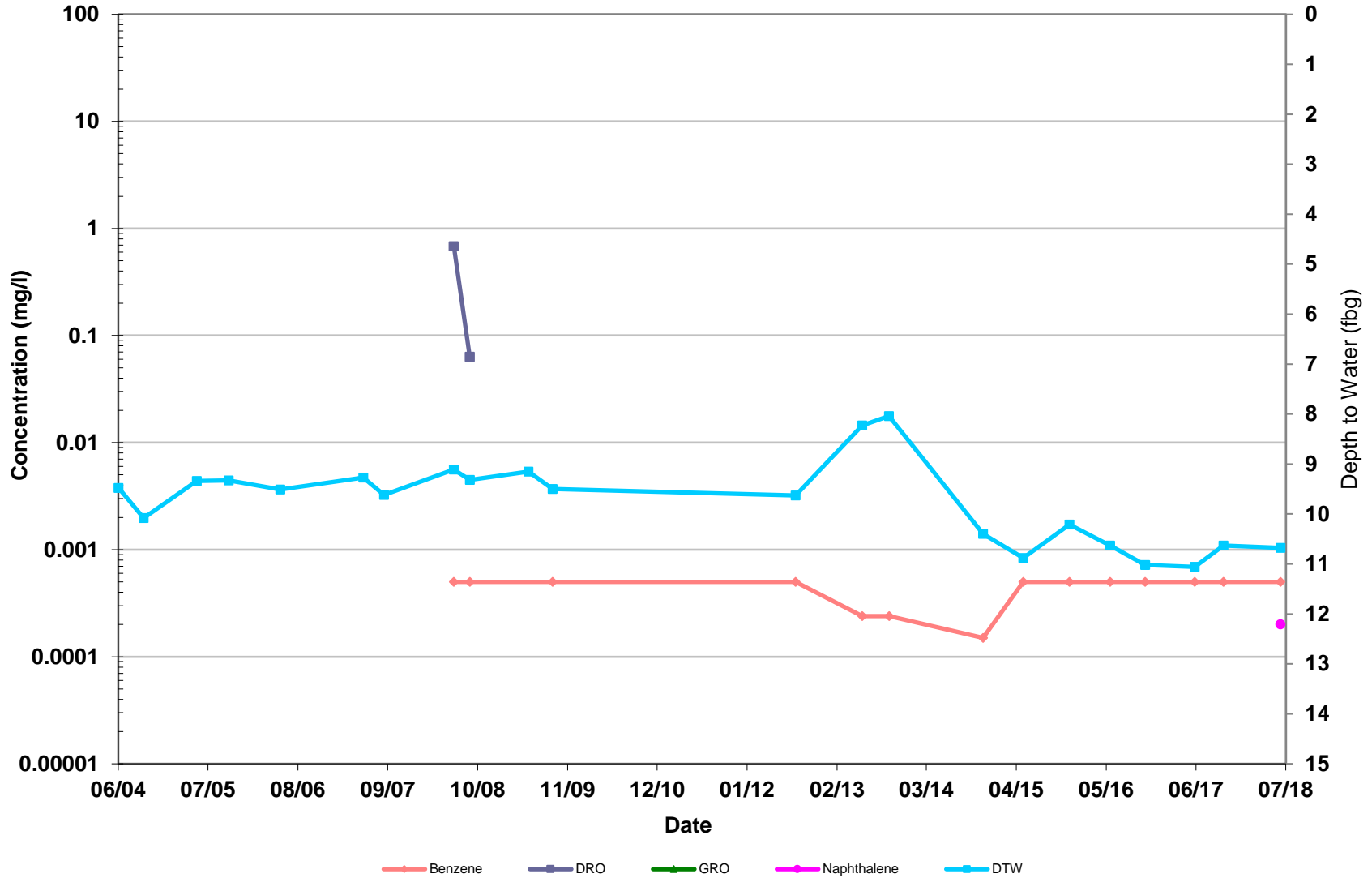
Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

OS-2



Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

OS-3



Chevron-Branded Service Station 95799
2500 Seward Highway
Anchorage, Alaska

Appendix F

ADEC Laboratory Data Review Checklist and Memorandum

Laboratory Data Review Checklist

Completed by:

J Cloud

Title:

Project Chemist

Date:

July 04, 2018

CS Report Name:

First Semiannual
Groundwater Monitoring
Report

Report Date:

June 21, 2018

Consultant Firm:

GHD Services Inc.

Laboratory Name:

Eurofins Lancaster Laboratories Environmental

Laboratory Report Number:

1953274

ADEC File Number:

2100.26.003

Hazard Identification Number:

23820

1. Laboratory

a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

Yes No Comments:

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 Comments:

Samples not transferred

2. Chain of Custody (COC)

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

Yes No Comments:

b. Correct analyses requested?

Yes No Comments:

3. Laboratory Sample Receipt Documentation

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

Yes No Comments:

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

Yes No Comments:

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

Yes No Comments:

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 Comments:

e. Data quality or usability affected?

Comments:

None

4. Case Narrative

a. Present and understandable?

Yes No

Comments:

b. Discrepancies, errors or QC failures identified by the lab?

Yes No

Comments:

c. Were all corrective actions documented?

Yes No

Comments:

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

Comments:

None

5. Samples Results

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

Yes No

Comments:

b. All applicable holding times met?

Yes No

Comments:

c. All soils reported on a dry weight basis?

Yes No

Comments:

No soils

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

Yes No

Comments:

e. Data quality or usability affected?

Comments:

None

6. QC Samples

a. Method Blank

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

Yes No

Comments:

ii. All method blank results less than limit of quantitation (LOQ)?

Yes No

Comments:

iii. If above LOQ, what samples are affected?

Comments:

No affected samples

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

Yes No

Comments:

No affected samples

v. Data quality or usability affected?

Comments:

None

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

Comments:

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

Yes No

Comments:

No metals/inorganics

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

Yes No Comments:

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

Yes No Comments:

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

Comments:

No affected samples

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

Yes No Comments:

No affected samples

vii. Data quality or usability affected?

Comments:

None

c. Surrogates – Organics Only

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

Yes No Comments:

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

Yes No Comments:

One sample had a high method 8270 surrogate recovery

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

Yes No Comments:

iv. Data quality or usability affected?

Comments:

Each individual surrogate compound is expected to meet the associated control limits with the exception of SVOC analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent. No qualification of the data was deemed necessary.

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and cooler?

Yes No

Comments:

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

Comments:

iii. All results less than LOQ?

Yes No

Comments:

iv. If above LOQ, what samples are affected?

Comments:

No affected samples

v. Data quality or usability affected?

Comments:

None

e. Field Duplicate

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

Yes No

Comments:

ii. Submitted blind to lab?

Yes No

Comments:

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

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

Where R_1 = Sample Concentration
 R_2 = Field Duplicate Concentration

Yes No Comments:

Two analytes had high RPDs

- iv. Data quality or usability affected?

Comments:

The acenaphthene and naphthalene results for samples MW-11R and DUP-1 were qualified as estimated due to variability

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

Yes No Not Applicable

- i. All results less than LOQ?

Yes No Comments:

Not collected

- ii. If above LOQ, what samples are affected?

Comments:

Not collected

- iii. Data quality or usability affected?

Comments:

Not collected

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

- a. Defined and appropriate?

Yes No Comments:



Memorandum

July 9, 2018

To: ADEC Ref. No.: 620914

From: Jeffrey Cloud  Tel: 206-914-3141

cc: Siobhan Pritchard

**Subject: QA/QC Review
ChevronTexaco Site 95799
Job # 1953274
June 2018**

1. Introduction

This document details a reduced validation of analytical results for groundwater samples collected in Anchorage, Alaska during June 2018. Samples were submitted to Eurofins Lancaster Laboratories Environmental, located in Lancaster, Pennsylvania.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, recovery data from surrogate spikes, laboratory control samples and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods and applicable guidance from the document entitled "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", USEPA 540-R-08-01, June 2008 subsequently referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in the methods. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved, delivered on ice and stored by the laboratory at the required temperature (0-6°C).



3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC), semivolatile organic compound (SVOC) and diesel range organics (DRO) analysis were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the associated control limits with the exception of SVOC analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against the control limits. All surrogate recoveries met the associated criteria.

5. Laboratory Control Sample Analyses

Laboratory control samples (LCS)/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS or LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS and LCS/LCSD contained all analytes of interest. All LCS and LCS/LCSD recoveries and RPDs were within associated control limits, demonstrating acceptable analytical accuracy and precision (where applicable).



6. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample and two field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for analysis. All results were non-detect for the analytes of interest.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate samples were collected and submitted "blind" to the laboratory. The RPDs associated with these duplicate samples must be less than 50 percent. If the reported concentration in both the investigative sample and its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision with two exceptions. The acenaphthene and naphthalene results for samples MW-11R and DUP-1 were qualified as estimated due to variability.

7. Analyte Reporting

Non-detect data were reported down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the reporting limit (RL) but greater than the MDL were reported as estimated (J).

8. Conclusion

Based on the assessment detailed in the foregoing, the summarized data are acceptable with the specific qualifications noted herein.