

Mr. Robert Weimer
Alaska Department of Environmental Conservation (ADEC)
555 Cordova Street
Anchorage, Alaska 95501

Subject:
2019 Groundwater Monitoring Report, Fourth Quarter

ENVIRONMENT

Dear Mr. Weimer,

On behalf of Chevron Environmental Management Company (Chevron), Arcadis US, Inc. (Arcadis) has prepared the attached *2019 Groundwater Monitoring Report* for the fourth quarter groundwater sampling event for the following facility:

Date:
January 7, 2020

Contact:
Nicole Monroe

Chevron Branded

| <u>Station No.</u> | <u>ADEC File No.</u> | <u>Hazard ID:</u> | <u>Location</u> |
|--------------------|----------------------|-------------------|--|
| 95414 | 2100.26.062 | 24602 | 5210 Old Seward Highway Anchorage, Alaska |

Phone:
503.785.9414

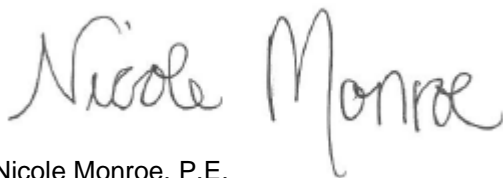
Email:
Nicole.Monroe@arcadis.com

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

Sincerely,

Our ref:
30015201

Arcadis U.S., Inc.



Nicole Monroe, P.E.
Project Manager

Copies:
Tim Bishop (*electronic copy*)
Rolph Hanson
Richard Sanchis
Mark Engelke

Chevron Environmental Management Company

2019 FOURTH QUARTER GROUNDWATER MONITORING REPORT

Chevron Site No. 95414
5210 Old Seward Highway
Anchorage, Alaska
ADEC File No. 2100.26.062

January 7 2020

2019 FOURTH QUARTER GROUNDWATER MONITORING REPORT

Former Chevron Facility 95414

5210 Old Seward Highway
Anchorage, Alaska

ADEC File No: 2100.26.062
HAZARD ID No: 24602

Prepared for:

Chevron Environmental Management
Company

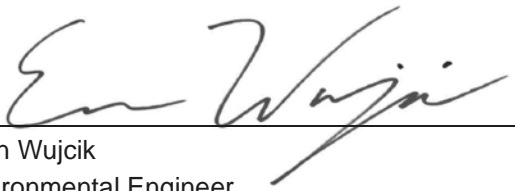
Prepared by:

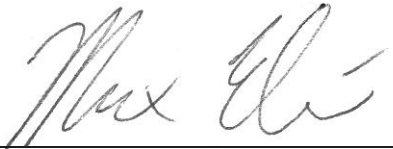
Arcadis U.S., Inc.
111 SW Columbia Street
Suite 670
Portland
Oregon 97201
Tel 503.220.8201
www.Arcadis.com

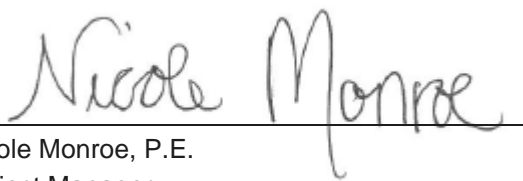
Our Ref.:
30015201

Date:
January 7, 2020

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.


Evan Wujcik
Environmental Engineer


Max Elias
Environmental Scientist


Nicole Monroe, P.E.
Project Manager
EV-149409

CONTENT

| | |
|---|---|
| Quarterly Status Report Summary | 3 |
| 1 Introduction | 4 |
| 2 Groundwater Monitoring | 4 |
| 2.1 Groundwater Gauging Methods | 4 |
| 2.2 Groundwater Elevation and Flow Direction | 4 |
| 2.3 Groundwater Sampling Methods | 5 |
| 2.4 Groundwater Analytical Results | 6 |
| 3 Laboratory Data Quality Assurance Summary | 6 |
| 3.1 Precision | 6 |
| 3.2 Accuracy | 6 |
| 3.3 Representativeness | 6 |
| 3.4 Comparability | 6 |
| 3.5 Completeness | 6 |
| 3.6 Sensitivity | 6 |
| 4 Conclusions and Recommendations | 7 |
| 5 References | 8 |

TABLES

| | |
|---------|---|
| Table 1 | Current Groundwater Gauging and Analytical Results |
| Table 2 | Historical Groundwater Gauging and Analytical Results |

FIGURES

| | |
|----------|---|
| Figure 1 | Site Location Map |
| Figure 2 | Site Plan |
| Figure 3 | Groundwater Contour Map - November 4, 2019. |
| Figure 4 | Groundwater Analytical Summary Map - Petroleum Hydrocarbons - November 4, 2019. |

APPENDICES

| | |
|------------|--|
| Appendix A | Site Background and History |
| Appendix B | Field Data Sheets |
| Appendix C | Laboratory Analytical Reports and Chain of Custody Documentation |
| Appendix D | ADEC Data Review Checklist |

**QUARTERLY STATUS REPORT
FOURTH QUARTER 2019
January 7, 2020**

| | |
|--|---|
| Facility No.: <u>Chevron Service</u> <u>Station No. 95414</u> | Address: <u>5210 Old Seward Highway</u> <u>Anchorage, Alaska</u> |
| Arcadis Contact Person / Phone No.: | Nicole Monroe / 503-785-9414 |
| Arcadis Project No.: | <hr/> 30015201 |
| Primary Agency/Regulatory ID No.: | <hr/> Alaska Department of Environmental Conservation (ADEC) / Robert Weimer / ADEC file ID: 2100.26.062 |

WORK CONDUCTED THIS PERIOD [Fourth Quarter 2019]:

1. Conducted quarterly groundwater monitoring activities on November 4, 2019.
2. Prepared the *Quarterly Status Report, Fourth Quarter 2019*.

WORK PROPOSED NEXT PERIOD [First Quarter 2020]:

1. Conduct quarterly groundwater monitoring activities in the First Quarter of 2020.
2. Prepare the *Quarterly Status Report, First Quarter 2020*.

| | | |
|--|------------------|--|
| Current Phase of Project: | Monitoring | |
| Frequency of Monitoring / Sampling: | Quarterly | |
| Is Light Non-Aqueous Phase Liquid (LNAPL) Present On-site: | No | |
| Cumulative LNAPL Recovered to Date: | 0.0 | (gallons) |
| Approximate Depth to Groundwater: | 4.82 to 8.45 | (feet below top of casing) |
| Approximate Groundwater Elevation: | 102.20 to 105.86 | (feet relative to corresponding datum) |
| Groundwater Flow Direction | Southwest | |
| Groundwater Gradient | 0.003 | (feet per foot) |

| | |
|---------------------------------|------------------------|
| Current Remediation Techniques: | None |
| Permits for Discharge: | None |
| Summary of Unusual Activity: | Unable to access MW-9R |
| Agency Directive Requirements: | None |

1 INTRODUCTION

On behalf of Chevron Environmental Management Company (CEMC), Arcadis US, Inc. (Arcadis), has prepared this report to document the fourth quarter groundwater sampling event of 2019 for Chevron Service Station No. 95414, located at 5210 Old Seward Highway in Anchorage, Alaska (the site). The site location and site plan are shown on Figure 1 and Figure 2 respectively.

This work was conducted under the direction of a “qualified person” [18 AAC 75. 990 (100), and 18 AAC 78.995 (118)]. Site background and history summaries are attached as Appendix A.

2 GROUNDWATER MONITORING

2.1 Groundwater Gauging Methods

The 2019 fourth quarter groundwater gauging event was conducted on November 4, 2019. Site monitoring wells were gauged with an oil/water interface probe to determine depth-to-water and to ascertain if LNAPL was present. In order to prevent the possibility of cross-contamination, wells were gauged in the order of lowest to highest historical petroleum hydrocarbon concentrations in groundwater. In addition, non-disposable groundwater gauging equipment was decontaminated prior to and after each use with a detergent solution and rinsed in potable water.

2.2 Groundwater Elevation and Flow Direction

During the 2019 fourth quarter event, monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9R and MW-10 were scheduled to be gauged for groundwater elevations and the presence of LNAPL. The groundwater monitoring event field notes are presented in Appendix B. Monitoring well MW-9R was inaccessible and unable to be gauged.

The inferred groundwater flow direction for the fourth quarter 2019 monitoring events is to the southwest and is consistent with the historical flow direction. Current and historical groundwater gauging and analytical results are included in Table 1 and Table 2 respectively. A groundwater contour map is presented as Figure 3.

2.3 Groundwater Sampling Methods

The fourth quarter groundwater monitoring event was conducted on November 4, 2019. Groundwater samples were collected from MW-8 and MW-10. MW-9R was not accessible and could not be sampled.

Sampling procedures were conducted in accordance with ADEC *Field Sampling Guidance* (ADEC, 2017). Monitoring well caps were removed to allow groundwater levels to stabilize and equilibrate before using an electronic interface probe (EIP) meter capable of 0.01 foot accuracy to measure the depth to groundwater and total well depth. A bladder pump with compressor & control unit with clean/disposable Teflon lined tubing and bladders was used to purge groundwater from the wells and collect samples to minimize the risk of volatile contaminant absorption by the sampling equipment. Water table drawdown was continuously monitored during purging with a water level meter and the flow rate of the pump was adjusted to limit drawdown to 0.1 meter. The intake of the pump was set as close as possible to the soil groundwater interface. Water quality parameters were monitored during purging with a multi-parameter water quality meter equipped with a flow through cell and Turbidity meter. Parameters were recorded every 3 to 5 minutes until a minimum of three (minimum of four if using temperature as an indicator) of the parameters listed below stabilized. The flow rate was reduced to 100-150 ml/minute and samples were collected from the discharge line into laboratory sample bottles. Water quality parameters were considered stable when three successive readings were within the following ADEC limits:

- $\pm 3\%$ for temperature (minimum of $\pm 0.2\text{ C}^\circ$),
- ± 0.1 for pH,
- $\pm 3\%$ for conductivity,
- $\pm 10\text{ mv}$ for redox potential,
- $\pm 10\%$ for dissolved oxygen, and
- $\pm 10\%$ for turbidity.

Sample bottles were labeled, stored in a cooler packed with ice, and submitted to Eurofins TestAmerica Seattle (Eurofins) in Tacoma, Washington, under proper chain-of-custody procedures. Field notes documenting the first and second-annual event are presented in Appendix B.

Groundwater samples collected from monitoring wells MW-8 and MW-10 were submitted to the analytical laboratory for the following analyses:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), by United States Environmental Protection Agency (USEPA) method 8260C
- Total Petroleum Hydrocarbons-Gasoline range organics (TPH-g) by Alaska method AK101
- Total Petroleum Hydrocarbons- Diesel range organics (TPH-d) by Alaska method AK102

Additionally, groundwater samples collected from monitoring well MW-10 were submitted to the analytical laboratory for the analysis of volatile organic compounds (VOCs) by USEPA Method 8260 SIM.

A groundwater duplicate sample was collected from monitoring well MW-8. The duplicate sample was analyzed for BTEX, TPH-g, and TPH-d. The duplicate samples were submitted blind with the sample set to Eurofins.

2.4 Groundwater Analytical Results

Routine analytical results for the above-mentioned constituents obtained from the fourth quarter 2019 groundwater monitoring event are summarized in Table 1 and are shown on Figure 4. Historical analytical groundwater data is summarized in Table 2.

3 LABORATORY DATA QUALITY ASSURANCE SUMMARY

As required by ADEC (Technical Memorandum 06-002, dated March 2009), Arcadis completed a laboratory data review checklist for each of the laboratory reports generated for the 2019 fourth quarter event. The laboratory reports are included as Appendix C and data review checklists are included as Appendix D. The following quality assurance (QA) summary describes six parameters, related to the quality and usability of the data presented in this report.

3.1 Precision

The relative percent difference (RPD) for field duplicate (FD), laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) were within the control limits.

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

3.2 Accuracy

The percent recoveries for LCS/LCSD were within the control limits.

The surrogate recovery exceedance was observed in sample MW-10-W-191104 for method SW846 8260C SIM. The associated result was qualified as estimated.

The accuracy of the data, as measured by laboratory QC indicators, suggest that the DQOs were met with exception of the estimated data.

3.3 Representativeness

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

3.4 Comparability

The laboratory results are presented in the same units as previous reports to allow comparison.

3.5 Completeness

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

3.6 Sensitivity

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

4 CONCLUSIONS AND RECOMMENDATIONS

The groundwater data collected during the fourth quarter 2019 event indicate the groundwater flow direction, southwest, is generally consistent with historical data.

During the fourth quarter 2019 groundwater monitoring event, groundwater samples were collected for analysis from monitoring wells MW-8 and MW-10. Analytical results from the monitoring wells are generally consistent with historical data.

Groundwater monitoring will continue in accordance with the current quarterly schedule. The first quarterly sampling event of 2020 will be conducted in the spring of 2020.

5 REFERENCES

ADEC. *Field Sampling Guidance*. Division of Spill Prevention and Response Contaminated Sites Program. August, 2017.

ADEC Technical Memorandum, March, 2017. *Data Quality Objectives, Checklists, Quality Assurance Requirements for Laboratory Data, and Sample Handling*. ADEC, Division of Spill Prevention and Response Contaminated Sites Program.

TABLES



Table 1. Current Groundwater Gauging and Analytical Results

Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft) | Datum | DTW (ft bTOC) | LNAPL Thickness (ft) | GW Elev (ft) | TPH-g mg/L | TPH-d mg/L | Benzene mg/L | Toluene mg/L | Ethylbenzene mg/L | Total Xylenes | MTBE mg/L | EDB mg/L | Comments |
|--|-------------|----------|---------|---------------|----------------------|--------------|------------------|--------------------|----------------------|------------------------|--------------------|------------------------|-------------|----------------|------------------|
| ADEC Groundwater Cleanup Levels | | | | | | | 2.2 | 1.5 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | |
| MW-1 | 11/04/2019 | 110.63 | NAVD 88 | 7.38 | 0.00 | 103.25 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 11/04/2019 | 111.09 | NAVD 88 | 8.23 | 0.00 | 102.86 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 11/04/2019 | 111.44 | NAVD 88 | 8.45 | 0.00 | 102.99 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 11/04/2019 | 108.88 | NAVD 88 | 6.09 | 0.00 | 102.79 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 11/04/2019 | 108.76 | NAVD 88 | 5.94 | 0.00 | 102.82 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 11/04/2019 | 111.16 | NAVD 88 | 7.72 | 0.00 | 103.44 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 11/04/2019 | 107.35 | NAVD 88 | 4.82 | 0.00 | 102.53 | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 11/04/2019 | 108.70 | NAVD 88 | 6.50 | 0.00 | 102.20 | 1.2 [1.2] | 0.51 [0.64] | 0.047 [0.047] | 0.0034 [0.0032] | 0.03 [0.03] | 0.0706 [0.0696] | -- [-] | -- [-] | |
| MW-9R | 11/04/2019 | 108.08 | NAVD 88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to access |
| MW-10 | 11/04/2019 | 109.17 | NAVD 88 | 6.87 | 0.00 | 102.30 | <0.1 | 0.32 | <0.000090 | <0.00039 | <0.00050 | <0.00075 | <0.00044 | <0.000017 | |
| QA (EQB) | 11/04/2019 | -- | NAVD 88 | -- | -- | -- | <0.1 | <0.076 | <0.00053 | <0.00039 | <0.00050 | <0.00075 | -- | -- | |
| QA (TB) | 11/04/2019 | -- | NAVD 88 | -- | -- | -- | <0.1 | -- | <0.000090 | <0.00039 | <0.00050 | <0.00075 | <0.00044 | <0.000017 | |

Notes:

- MW = Groundwater monitoring well
- TOC = Top of casing
- DTW = Depth to groundwater
- ft bTOC = Feet below top of casing
- ft = Feet
- GW Elev = Groundwater elevation
- mg/L = Milligrams per liter
- Bold** = Value exceeds MDL

Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level

<14 = Not detected at or above the Method Detection Limit (MDL)

NAVD 88 = North American Vertical Datum of 1988

ADEC = Alaska Department of Environmental Conservation

-- = Not analyzed/ Not measured/ Not Available

[] = Duplicate Result

QA (TB) = Quality Assurance (Trip Blank)

QA (EB) = Quality Assurance (Equipment Blank)

LNAPL = Light Non-Aqueous Phase Liquid

LOQ = Limit of quantitation

TPH-d = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to USEPA Method AK 102-SV/103mod-SV

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Environmental Protection Agency (EPA) Method 8260B

Samples analyzed by EPA Method 8260B:

Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX)

MTBE = Methyl tert-butyl ether

EDB = 1,2-Dibromoethane

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

B = Compound considered non-detect at the listed value due to associated blank contamination

D = Results reported from a diluted sample

Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------------|----------------------|-------------|----------------|--------------|----------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-1 | 09/03/1998 | 101.92 | 7.20 | -- | 94.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/20/2000 | 101.92 | 7.30 | -- | 94.62 | 0.295 | -- | -- | -- | -- | -- | -- | <0.0020 | -- | -- | -- |
| MW-1 | 09/21/2000 | 101.92 | 7.46 | -- | 94.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/01/2001 | 101.92 | 7.87 | -- | 94.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 09/25/2001 | 101.92 | 7.48 | -- | 94.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/07/2002 | 109.76 | 7.42 | -- | 102.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 09/29/2002 | 109.76 | 6.77 | -- | 102.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/06/2003 | 109.82 | 7.40 | -- | 102.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 10/03/2003 | 109.82 | 6.95 | -- | 102.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 12/18/2003 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/22/2004 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/09/2004 | 109.82 | 7.06 | -- | 102.76 | -- | 0.93 | -- | 0.099 | 0.026 | 0.0090 | 0.079 | <0.0020 | -- | -- | -- |
| MW-1 | 09/21/2004 | 109.82 | 7.80 | -- | 102.02 | -- | 0.78 | -- | 0.080 | 0.0030 | 0.0030 | 0.073 | <0.0020 | -- | -- | -- |
| MW-1 | 10/29/2004 | 109.82 | -- | -- | -- | -- | 0.51 | -- | 0.087 | 0.0020 | 0.0010 | 0.030 | <0.00050 | -- | -- | -- |
| MW-1 | 12/06/2004 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/21/2005 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/15/2005 | 109.82 | 6.75 | -- | 103.07 | -- | 0.41 | -- | 0.074 | 0.0020 | 0.0010 | 0.0020 | <0.0020 | -- | -- | -- |
| MW-1 | 09/28/2005 | 109.82 | 6.50 | -- | 103.32 | -- | 0.40 | -- | 0.064 | 0.0020 | 0.0010 | 0.018 | <0.0020 | -- | -- | -- |
| MW-1 | 12/07/2005 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 04/07/2006 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/18/2006 | 109.82 | 7.63 | -- | 102.19 | 0.53 | 0.73 | -- | 0.095 | 0.0050 | 0.0040 | 0.038 | -- | -- | -- | -- |
| MW-1 | 09/28/2006 | 109.82 | 6.41 | -- | 103.41 | 0.58 | 0.21 | -- | 0.010 | 0.00070 | <0.00050 | 0.0020 | -- | -- | -- | -- |
| MW-1 | 12/20/2006 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/15/2007 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/21/2007 | 109.82 | 7.32 | -- | 102.5 | -- | -- | -- | 0.037 | 0.012 | 0.0050 | 0.0040 | -- | -- | -- | -- |
| MW-1 | 09/27/2007 | 109.82 | 6.71 | -- | 103.11 | -- | -- | -- | 0.014 | 0.0008 | 0.0010 | 0.0020 | -- | -- | -- | -- |
| MW-1 | 05/17/2008 | 109.82 | 7.39 | -- | 102.43 | -- | -- | -- | 0.023 | 0.0030 | 0.0040 | 0.0020 | -- | -- | -- | -- |
| MW-1 | 06/26/2008 | 109.82 | 6.86 | -- | 102.96 | 0.39 | 0.30 | -- | 0.020 | 0.0020 | 0.0020 | <0.0020 | -- | -- | -- | -- |
| MW-1 | 09/17/2008 | 109.82 | 6.65 | -- | 103.17 | 0.43 | 0.30 | -- | 0.020 | <0.0010 | 0.0010 | 0.0050 | -- | -- | -- | -- |
| MW-1 | 03/20/2009 | 109.82 | 7.92 | -- | 101.9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/09/2009 | 109.82 | 6.75 | -- | 103.07 | 0.36 | 0.49 | -- | 0.031 | 0.0057 | 0.0056 | 0.016 | -- | -- | -- | -- |
| MW-1 | 09/23/2009 | 109.82 | 7.59 | -- | 102.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 09/24/2009 | 109.82 | -- | -- | -- | -- | 0.42 | -- | 0.044 | 0.0020 | 0.0025 | 0.022 | -- | -- | -- | -- |
| MW-1 | 12/09/2009 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/22/2010 | 109.82 | 7.97 | -- | 101.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/06/2010 | 109.82 | 7.45 | -- | 102.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/10/2010 | 109.82 | 7.38 | -- | 102.44 | 0.55 | 0.22 | -- | 0.036 | 0.00060 | 0.00070 | 0.0066 | -- | -- | -- | -- |
| MW-1 | 10/05/2010 | 109.82 | 7.44 | -- | 102.38 | -- | 0.20 | -- | 0.029 | 0.0012 | <0.00050 | 0.0085 | -- | -- | -- | -- |
| MW-1 | 12/21/2010 | 109.82 | 6.61 | -- | 103.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/09/2011 | 109.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/13/2011 | 109.82 | 7.30 | -- | 102.52 | 0.60 | 0.13 | -- | 0.010 | 0.00070 | <0.00050 | 0.0038 | -- | -- | -- | -- |
| MW-1 | 09/15/2011 | 109.82 | 7.50 | -- | 102.32 | -- | 0.15 | -- | 0.020 | 0.0014 | <0.00050 | 0.0078 | -- | -- | -- | -- |
| MW-1 | 12/08/2011 | 109.82 | 6.59 | -- | 103.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/21/2012 | 109.82 | 7.80 | -- | 102.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/20/2012 | 109.82 | 6.38 | -- | 103.44 | -- | -- | -- | 0.0020 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | -- |
| MW-1 | 09/19/2012 | 109.82 | 5.94 | -- | 103.88 | -- | -- | -- | 0.0014J | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | -- |
| MW-1 | 11/06/2012 | 110.54 | 5.25 | -- | 105.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 04/01/2013 | 110.54 | 7.85 | -- | 102.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/02/2013 | 110.54 | 7.60 | -- | 102.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 09/18/2013 | 110.54 | 6.51 | -- | 104.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 09/19/2013 | 110.54 | -- | -- | -- | <0.42 | 0.166 | -- | 0.0186 | <0.00100 | <0.00100 | <0.00300 | -- | -- | -- | -- |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|--------------------|----------------------|--------------|-----------------------|----------------------|----------------------|------------------------|-------------|----------------|--------------|----------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-1 | 11/12/2013 | 110.54 | 6.59 | -- | 103.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/27/2014 | 110.54 | 7.63 | -- | 102.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 05/12/2014 | 110.54 | 7.28 | -- | 103.26 | <0.42 | 0.152 | -- | 0.0112 | <0.00100 | <0.00100 | <0.00300 | -- | -- | -- | -- |
| MW-1 | 05/12/2014 | 110.54 | -- | -- | -- | <0.40 | <0.10 | -- | 0.0026 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | -- |
| MW-1 | 09/12/2014 | 110.54 | 7.11 | -- | 103.43 | <0.40 | -- | -- | 0.0023 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | -- |
| MW-1 | 11/14/2014 | 110.54 | 7.76 | -- | 102.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/06/2015 | 110.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 04/30/2015 | 110.54 | 7.72 | -- | 102.82 | 0.56 | 0.28 | -- | 0.018 | 0.00080J | <0.00050 | 0.012 | -- | -- | -- | -- |
| MW-1 | 09/22/2015 | 110.54 | 6.28 | -- | 104.26 | 0.15J | 0.048J | -- | 0.00070J | <0.00050 | <0.00050 | 0.00060J | -- | -- | -- | -- |
| MW-1 | 11/09/2015 | 110.54 | 7.36 | -- | 103.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/09/2016 | 110.54 | 6.88 | -- | 103.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/06/2016 | 110.54 | 7.31 | -- | 103.23 | 0.40 | 0.053 J | -- | 0.003 | <0.0005 | <0.0005 | 0.002 | -- | -- | -- | -- |
| MW-1 | 09/21/2016 | 110.54 | 7.11 | -- | 103.43 | 0.50 | 2.2 | -- | 0.0008 J | <0.0005 | <0.0005 | 0.001 | -- | -- | -- | -- |
| MW-1 | 11/01/2016 | 110.54 | 7.48 | -- | 103.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 04/13/2017 | 110.54 | 7.75 | -- | 102.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/01/2017 | 110.54 | 7.59 | -- | 102.95 | 0.23 J | 0.28 | -- | 0.009 | 0.002 | 0.0008 J | 0.017 | <0.0005 | -- | -- | -- |
| MW-1 | 08/16/2017 | 110.54 | 7.53 | -- | 103.01 | 0.29 J | 0.60 | -- | 0.027 | 0.002 | 0.0007 J | 0.037 | <0.0005 | -- | -- | -- |
| MW-1 | 11/10/2017 | 110.54 | 6.74 | -- | 103.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 03/27/2018 | 110.54 | 8.01 | -- | 102.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 06/18/2018 | 110.54 | 6.59 | -- | 103.95 | 0.22 J | 0.41 | -- | 0.022 | 0.003 | 0.001 | 0.056 | <0.0005 | -- | -- | -- |
| MW-1 | 08/08/2018 | 110.54 | 7.33 | -- | 103.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 10/31/2018 | 110.54 | 7.32 | -- | 103.22 | 0.64 J | 0.77 | -- | 0.038 | 0.003 | 0.0008 J | 0.11 | <0.0002 | -- | -- | -- |
| MW-1 | 3/29/2019 | 110.63 | 7.61 | 0.00 | 103.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-1 | 5/14/2019 | 110.63 | 7.08 | 0.00 | 103.55 | 0.2 | < 0.26 B J | -- | 0.004 | < 0.001 B | < 0.0004 | 0.016 | < 0.0002 | -- | -- | -- |
| MW-1 | 9/17/2019 | 110.63 | 7.65 | 0.00 | 102.98 | 0.35 | 0.11 J | -- | 0.0052 | < 0.00068 B | < 0.00020 B | 0.016 | < 0.00020 B | -- | -- | -- |
| MW-1 | 11/04/2019 | 110.63 | 7.38 | 0.00 | 103.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 09/03/1998 | 100.96 | 8.51 | -- | 92.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 05/20/2000 | 100.96 | 8.55 | -- | 92.41 | <0.25 | -- | -- | -- | -- | -- | -- | <0.0020 | -- | -- | -- |
| MW-2 | 09/21/2000 | 100.96 | 8.67 | -- | 92.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 09/26/2000 | 100.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 05/01/2001 | 100.96 | 9.00 | -- | 91.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 09/25/2001 | 100.96 | 8.72 | -- | 92.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 05/07/2002 | 100.96 | 8.62 | -- | 92.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 09/29/2002 | 100.96 | 7.94 | -- | 93.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 06/06/2003 | 110.64 | 8.53 | -- | 102.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 10/03/2003 | 110.64 | 7.94 | -- | 102.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 12/18/2003 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 03/22/2004 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 06/09/2004 | 110.64 | 8.12 | -- | 102.52 | 0.53 | 0.051 | -- | 0.014 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | -- |
| MW-2 | 09/21/2004 | 110.64 | 8.99 | -- | 101.65 | 0.43 | 0.050 | -- | 0.0090 | <0.00050 | <0.00050 | 0.00050 | <0.0020 | -- | -- | -- |
| MW-2 | 10/29/2004 | 110.64 | -- | -- | -- | 0.24 | 0.046 | 0.42 | 0.017 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- |
| MW-2 | 12/06/2004 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 03/21/2005 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 05/15/2005 | 110.64 | 8.09 | -- | 102.55 | 0.51 | 0.034 | -- | 0.0060 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | -- |
| MW-2 | 09/28/2005 | 110.64 | 8.84 | -- | 101.80 | 0.060 | 0.015 | -- | 0.0030 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | -- |
| MW-2 | 12/07/2005 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 04/07/2006 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 05/18/2006 | 110.64 | 8.76 | -- | 101.88 | 0.62 | 0.075 | -- | 0.011 | <0.00050 | <0.00050 | 0.0020 | -- | -- | -- | -- |
| MW-2 | 9/28/2006 | 110.64 | 7.61 | -- | 103.03 | 0.26 [0.24] | 0.084 [0.090] | -- | 0.0080 [0.012] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | 0.0010 [0.0020] | -- | -- | -- | -- |
| MW-2 | 12/20/2006 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 03/15/2007 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 05/21/2007 | 110.64 | 8.51 | -- | 102.13 | -- | -- | -- | 0.0070 | <0.00050 | <0.00050 | 0.0030 | -- | -- | -- | -- |
| MW-2 | 09/27/2007 | 110.64 | 7.89 | -- | 102.75 | -- | -- | -- | 0.0030 | <0.00050 | <0.00050 | 0.0010 | -- | -- | -- | -- |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|---------------|--------------|--------------|----------------|----------------|----------------------|----------------------|-------------|----------------|--------------|-----------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-2 | 05/17/2008 | 110.64 | 8.59 | -- | 102.05 | -- | -- | -- | 0.0040 | <0.00050 | <0.00050 | 0.0020 | -- | -- | -- | |
| MW-2 | 06/26/2008 | 110.64 | 8.03 | -- | 102.61 | 0.50 | 0.020 | -- | 0.0020 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-2 | 09/17/2008 | 110.64 | 7.71 | -- | 102.93 | 0.49 | 0.070 | -- | 0.0010 | <0.0010 | <0.0010 | 0.0030 | -- | -- | -- | |
| MW-2 | 03/20/2009 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 06/08/2009 | 110.64 | 7.80 | -- | 102.84 | 0.26 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 09/23/2009 | 110.64 | 8.68 | -- | 101.96 | -- | 0.039 | -- | 0.00080 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 12/09/2009 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/22/2010 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 05/06/2010 | 110.64 | 8.51 | -- | 102.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 05/10/2010 | 110.64 | 8.42 | -- | 102.22 | 0.22 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 10/05/2010 | 110.64 | 9.53 | -- | 101.11 | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 12/21/2010 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/09/2011 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 06/13/2011 | 110.64 | 8.32 | -- | 102.32 | 0.47 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 09/15/2011 | 110.64 | 8.55 | -- | 102.09 | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 12/08/2011 | 110.64 | 7.65 | -- | 102.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/21/2012 | 110.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 06/20/2012 | 110.64 | 7.32 | -- | 103.32 | -- | -- | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 09/19/2012 | 110.64 | 6.81 | -- | 103.83 | -- | -- | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-2 | 11/06/2012 | 111.15 | 6.17 | -- | 104.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 04/01/2013 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 05/02/2013 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 09/18/2013 | 111.15 | 7.45 | -- | 103.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 09/19/2013 | 111.15 | -- | -- | -- | <0.42 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-2 | 11/12/2013 | 111.15 | 7.49 | -- | 103.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/27/2014 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 05/12/2014 | 111.15 | 8.15 | -- | 103.00 | <0.40 | <0.10 | -- | 0.0018 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-2 | 05/12/2014 | 111.15 | -- | -- | -- | <0.45 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-2 | 09/12/2014 | 111.15 | 8.04 | -- | 103.11 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-2 | 09/12/2014 | 111.15 | -- | -- | -- | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-2 | 11/14/2014 | 111.15 | 8.61 | -- | 102.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/06/2015 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 04/30/2015 | 111.15 | 8.62 | -- | 102.53 | 0.62 | <0.10 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-2 | 09/22/2015 | 111.15 | 8.21 | -- | 102.94 | 0.070J | <0.10 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-2 | 11/09/2015 | 111.15 | 8.22 | -- | 102.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/09/2016 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 06/06/2016 | 111.15 | 8.00 | -- | 103.15 | 0.72 | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-2 | 09/21/2016 | 111.15 | 7.92 | -- | 103.23 | 0.78 | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-2 | 11/01/2016 | 111.15 | 8.33 | -- | 102.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 04/13/2017 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 06/01/2017 | 111.15 | 8.42 | -- | 102.73 | 0.12 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-2 | 08/16/2017 | 111.15 | 8.42 | -- | 102.73 | 0.18 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-2 | 11/10/2017 | 111.15 | 7.56 | -- | 103.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 03/27/2018 | 111.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 06/18/2018 | 111.15 | 7.33 | -- | 103.82 | 0.22 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-2 | 08/08/2018 | 111.05 | 8.11 | -- | 102.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 10/30/2018 | 111.15 | 8.01 | -- | 103.14 | <0.20 J | <0.014 | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | TOC adjusted for 0.1 ft cut |
| MW-2 | 3/29/2019 | 111.09 | 8.39 | 0.00 | 102.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-2 | 5/14/2019 | 111.09 | 7.96 | 0.00 | 103.13 | < 0.014 | < 0.28 B J | -- | < 0.0002 | < 0.0002 | < 0.0004 | < 0.001 | < 0.0002 | < 0.0002 | < 0.0003 | |
| MW-2 | 9/17/2019 | 111.09 | 8.54 | 0.00 | 102.55 | 0.43 | <0.1 | -- | -- | < 0.00050 | < 0.00020 B | <0.00050 B | < 0.000070 | < 0.000020 | -- | |
| MW-2 | 11/04/2019 | 111.09 | 8.23 | 0.00 | 102.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 09/03/1998 | 100.55 | 8.60 | -- | 91.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/20/2000 | 100.55 | 8.50 | -- | 92.05 | 2.59 | -- | -- | -- | -- | -- | -- | <0.010 | -- | -- | |
| MW-3 | 09/21/2000 | 100.55 | 8.83 | -- | 91.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------------|----------------------|-------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-3 | 05/01/2001 | 100.55 | 8.94 | -- | 91.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 09/25/2001 | 100.55 | 8.95 | -- | 91.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/07/2002 | 110.84 | 8.42 | -- | 102.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 09/29/2002 | 110.84 | 7.74 | -- | 103.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 06/06/2003 | 110.90 | 8.78 | -- | 102.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 10/03/2003 | 110.90 | 7.73 | -- | 103.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 12/18/2003 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/22/2004 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 06/09/2004 | 110.90 | 8.29 | -- | 102.61 | 3.4 | 15 | -- | 0.65 | 0.26 | 0.59 | 2.6 | <0.0020 | -- | -- | |
| MW-3 | 09/21/2004 | 110.90 | 9.13 | -- | 101.77 | 5.9 | 16 | -- | 0.57 | 0.18 | 0.62 | 2.4 | <0.0020 | -- | -- | |
| MW-3 | 10/29/2004 | 110.90 | -- | -- | -- | -- | 10 | -- | 0.33 | 0.15 | 0.56 | 1.6 | <0.0010 | -- | -- | |
| MW-3 | 12/06/2004 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/21/2005 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/15/2005 | 110.90 | 8.72 | -- | 102.18 | 3.3 | 14 | -- | 0.57 | 0.39 | 0.53 | 1.9 | <0.0020 | -- | -- | |
| MW-3 | 09/28/2005 | 110.90 | 7.79 | -- | 103.11 | 2.9 | 12 | -- | 0.27 | 0.17 | 0.54 | 2.1 | <0.0020 | -- | -- | |
| MW-3 | 12/07/2005 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 04/07/2006 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/18/2006 | 110.90 | 8.57 | -- | 102.33 | 2.3 | 15 | -- | 0.42 | 0.51 | 0.61 | 2.5 | -- | -- | -- | |
| MW-3 | 09/28/2006 | 110.90 | 7.24 | -- | 103.66 | 2.9 | 12 | -- | 0.20 | 0.18 | 0.43 | 1.6 | -- | -- | -- | |
| MW-3 | 12/20/2006 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/15/2007 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 5/21/2007 | 110.90 | 8.49 | -- | 102.41 | 2.5 [2.4] | 11 [9.4] | -- | 0.50 [0.41] | 0.13 [0.086] | 0.50 [0.48] | 1.8 [1.7] | -- | -- | -- | |
| MW-3 | 9/27/2007 | 110.90 | 7.71 | -- | 103.19 | 3.2 [3.2] | 7.2 [11] | -- | 0.39 [0.38] | 0.48 [0.43] | 0.50 [0.52] | 1.7 [1.7] | -- | -- | -- | |
| MW-3 | 5/17/2008 | 110.90 | 8.43 | -- | 102.47 | 2.0 [2.1] | 16 [16] | -- | 0.48 [0.49] | 0.54 [0.56] | 0.77 [0.75] | 2.8 [2.7] | -- | -- | -- | |
| MW-3 | 06/26/2008 | 110.90 | 8.16 | -- | 102.74 | 2.6 | 11 | -- | 0.30 | 0.20 | 0.50 | 1.8 | -- | -- | -- | |
| MW-3 | 09/17/2008 | 110.90 | 7.68 | -- | 103.22 | 2.1 | 14 | -- | 0.30 | 0.50 | 0.70 | 2.5 | -- | -- | -- | |
| MW-3 | 03/20/2009 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 06/08/2009 | 110.90 | 7.95 | -- | 102.95 | 1.5 | 13 | -- | 0.26 | 0.19 | 0.55 | 2.0 | -- | -- | -- | |
| MW-3 | 09/23/2009 | 110.90 | 8.86 | -- | 102.04 | 2.3 | 14 | -- | 0.39 | 0.17 | 0.69 | 2.4 | -- | -- | -- | |
| MW-3 | 12/09/2009 | 110.90 | 7.99 | -- | 102.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/22/2010 | 110.90 | 9.22 | -- | 101.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/06/2010 | 110.90 | 8.29 | -- | 102.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/10/2010 | 110.90 | 8.56 | -- | 102.34 | 2.1 | 12 | -- | 0.38 | 0.098 | 0.6 | 2.3 | -- | -- | -- | |
| MW-3 | 10/05/2010 | 110.90 | 8.69 | -- | 102.21 | 2.1 | 10 | -- | 0.20 | 0.065 | 0.52 | 1.5 | -- | -- | -- | |
| MW-3 | 12/21/2010 | 110.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/09/2011 | 110.90 | 9.21 | -- | 101.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 06/13/2011 | 110.90 | 8.40 | -- | 102.50 | 2.2 | 8.1 | -- | 0.38 | 0.057 | 0.39 | 1.2 | -- | -- | -- | |
| MW-3 | 09/15/2011 | 110.90 | 8.69 | -- | 102.21 | 2.5 | 12 | -- | 0.15 | 0.14 | 0.48 | 1.9 | -- | -- | -- | |
| MW-3 | 12/08/2011 | 110.90 | 7.37 | -- | 103.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/21/2012 | 110.90 | 9.01 | -- | 101.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 6/20/2012 | 110.90 | 7.95 | -- | 102.95 | 2.8 [1.9] | 12 | -- | 0.10 | 0.061 | 0.47 | 1.7 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-3 | 9/19/2012 | 110.90 | 6.81 | -- | 104.09 | 3.2 [1.8] | 11 | -- | 0.095 | 0.038 | 0.520 | 1.70 | -- | -- | -- | |
| MW-3 | 11/06/2012 | 111.42 | 6.55 | -- | 104.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 04/01/2013 | 111.42 | 9.02 | -- | 102.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/02/2013 | 111.42 | 8.71 | -- | 102.71 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 09/18/2013 | 111.42 | 7.29 | -- | 104.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 09/19/2013 | 111.42 | -- | -- | -- | 3.4 [2.2] | 8.98 | -- | 0.101 | 0.0365 | 0.411 | 1.27 | -- | -- | -- | |
| MW-3 | 11/12/2013 | 111.42 | 7.98 | -- | 103.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/27/2014 | 111.42 | 8.58 | -- | 102.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 05/12/2014 | 111.42 | 8.07 | -- | 103.35 | 2.7 | 8.46 | -- | 0.142 | 0.0198 | 0.317 | 1.13 | -- | -- | -- | |
| MW-3 | 05/12/2014 | 111.42 | -- | -- | -- | 2.0 | 9.65 | -- | 0.143 | 0.0126 | 0.378 | 0.804 | -- | -- | -- | |
| MW-3 | 09/12/2014 | 111.42 | 7.95 | -- | 103.47 | 2.4 | 6.65 | -- | 0.0320 | 0.0141 | 0.216 | 0.686 | -- | -- | -- | |
| MW-3 | 11/14/2014 | 111.42 | 8.83 | -- | 102.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/06/2015 | 111.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 04/30/2015 | 111.42 | 8.71 | -- | 102.71 | 5.2 | 11 | -- | 0.24 | 0.058 | 0.40 | 1.4 | -- | -- | -- | |

Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
 Chevron-Branded Service Station 95414
 5210 Old Seward Highway
 Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|---------------|--------------|--------------|----------------|----------------|----------------------|----------------------|--------------------|----------------|--------------|----------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-3 | 09/22/2015 | 111.42 | 8.10 | -- | 103.32 | 3.6 | 7.6 | -- | 0.26 | 0.042 | 0.39 | 1.3 | -- | -- | -- | |
| MW-3 | 11/09/2015 | 111.42 | 8.12 | -- | 103.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/09/2016 | 111.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 6/6/2016 | 111.42 | 7.98 | -- | 103.44 | 5.2 [6.0] | 17 [18] | -- | 0.21 [0.22] | 0.052 [0.054] | 0.67 [0.72] | 3.4 [3.6] | -- | -- | -- | |
| MW-3 | 09/21/2016 | 111.42 | 7.82 | -- | 103.60 | 2.7 | 3.7 | -- | 0.088 | 0.01 | 0.13 | 0.48 | -- | -- | -- | |
| MW-3 | 11/01/2016 | 111.42 | 8.22 | -- | 103.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 04/13/2017 | 111.42 | 8.23 | -- | 103.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 06/01/2017 | 111.42 | 8.17 | -- | 103.25 | 2.2 | 11 | -- | 0.13 | 0.041 | 0.41 | 1.7 | <0.001 | -- | -- | |
| MW-3 | 08/16/2017 | 111.42 | 8.17 | -- | 103.25 | 2.6 J | 13 | -- | 0.12 | 0.035 | 0.41 | 1.8 | <0.001 | -- | -- | |
| MW-3 | 11/10/2017 | 111.42 | 7.65 | -- | 103.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 03/27/2018 | 111.42 | 8.75 | -- | 102.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 6/18/2018 | 111.42 | 7.10 | -- | 104.32 | 1.4 J [1.4 J] | 11 [11] | -- | 0.093 [0.090] | 0.041 [0.040] | 0.38 [0.38] | 1.8 [1.8] | <0.0005 [<0.0005] | -- | -- | |
| MW-3 | 08/09/2018 | 111.42 | 8.02 | -- | 103.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 10/30/2018 | 111.42 | 8.00 | -- | 103.42 | 2.1 [1.6 J] | 6.6 [6.5] | -- | 0.093 [0.093] | 0.023 [0.023] | 0.30 [0.30] | 1.1 [1.1] | <0.004 [<0.001] | -- | -- | |
| MW-3 | 3/29/2019 | 111.44 | 5.32 | 0.00 | 106.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-3 | 5/14/2019 | 111.44 | 8.12 | 0.00 | 103.32 | 1.2 | < 0.39 B J | -- | 0.011 | < 0.003 B | 0.036 | 0.11 | < 0.0002 | -- | -- | |
| MW-3 | 9/17/2019 | 111.44 | 8.81 | 0.00 | 102.63 | 1.6 | 4.0 | -- | -- | 0.0084 | 0.28 D | 0.701 D | < 0.000070 | < 0.0000020 | -- | |
| MW-3 | 11/04/2019 | 111.44 | 8.45 | 0.00 | 102.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 08/16/2000 | -- | 6.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 09/21/2000 | -- | 6.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 09/26/2000 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/01/2001 | -- | 6.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 09/25/2001 | -- | 6.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/07/2002 | 108.14 | 7.00 | -- | 101.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 09/29/2002 | 108.14 | 5.67 | -- | 102.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/06/2003 | 108.26 | 6.18 | -- | 102.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 10/03/2003 | 108.26 | 5.64 | -- | 102.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 12/18/2003 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/22/2004 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/09/2004 | 108.26 | 5.86 | -- | 102.40 | 1.0 | 1.7 | -- | 0.11 | 0.0040 | 0.045 | 0.075 | <0.0020 | -- | -- | |
| MW-4 | 06/09/2004 | 108.26 | -- | -- | -- | 0.61 | 0.12 | -- | 0.0070 | <0.00050 | <0.00050 | 0.0040 | <0.0020 | -- | -- | |
| MW-4 | 09/21/2004 | 108.26 | 6.78 | -- | 101.48 | 0.32 | 0.061 | -- | <0.00050 | <0.00050 | <0.00050 | 0.0030 | <0.0020 | -- | -- | |
| MW-4 | 09/21/2004 | 108.26 | -- | -- | -- | 0.43 | 0.064 | -- | <0.00050 | <0.00050 | <0.00050 | 0.0030 | <0.0020 | -- | -- | |
| MW-4 | 12/06/2004 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/21/2005 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/15/2005 | 108.26 | 5.94 | -- | 102.32 | 0.84 | 0.089 | -- | 0.0010 | <0.00050 | <0.00050 | 0.0040 | <0.0020 | -- | -- | |
| MW-4 | 09/28/2005 | 108.26 | 9.40 | -- | 98.86 | 1.8 | 0.026 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-4 | 12/07/2005 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 04/07/2006 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/18/2006 | 108.26 | 6.61 | -- | 101.65 | 0.75 | 0.026 | -- | <0.00050 | <0.00050 | <0.00050 | 0.0010 | -- | -- | -- | |
| MW-4 | 09/28/2006 | 108.26 | 5.44 | -- | -- | 1.8 | 0.10 | -- | 0.0020 | <0.00050 | <0.00050 | 0.0010 | -- | -- | -- | |
| MW-4 | 12/20/2006 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/15/2007 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/21/2007 | 108.26 | 6.36 | -- | 101.90 | 0.64 | -- | -- | 0.0010 | <0.00050 | <0.00050 | 0.0020 | -- | -- | -- | |
| MW-4 | 09/27/2007 | 108.26 | 5.85 | -- | 102.41 | 0.85 | -- | -- | <0.00050 | <0.00050 | <0.00050 | 0.0010 | -- | -- | -- | |
| MW-4 | 05/19/2008 | 108.26 | 6.53 | -- | 101.73 | 0.54 | -- | -- | 0.0010 | <0.00050 | <0.00050 | 0.0020 | -- | -- | -- | |
| MW-4 | 06/26/2008 | 108.26 | 5.91 | -- | 102.35 | 0.49 | 0.060 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-4 | 09/17/2008 | 108.26 | 5.60 | -- | 102.66 | 0.44 | 0.050 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-4 | 03/20/2009 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/09/2009 | 108.26 | 5.74 | -- | 102.52 | 0.27 | 0.032 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 09/23/2009 | 108.26 | 6.59 | -- | 101.67 | 0.11 | 0.029 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 12/09/2009 | 108.26 | 5.44 | -- | 102.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/22/2010 | 108.26 | 6.75 | -- | 101.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/06/2010 | 108.26 | 6.25 | -- | 102.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|------------------|----------------|--------------|-------------------------|--------------------------|----------------------------|----------------------------|-------------|----------------|--------------|-----------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-4 | 05/10/2010 | 108.26 | 7.15 | -- | 101.11 | 0.63 | 0.033 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 10/05/2010 | 108.26 | 6.26 | -- | 102.00 | 0.75 | -- | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 12/21/2010 | 108.26 | 5.39 | -- | 102.87 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/09/2011 | 108.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/13/2011 | 108.26 | 6.08 | -- | 102.18 | 0.39 | 0.015 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 09/15/2011 | 108.26 | 6.36 | -- | 101.90 | 0.37 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 12/08/2011 | 108.26 | 5.50 | -- | 102.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/21/2012 | 108.26 | 6.67 | -- | 101.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 6/20/2012 | 108.26 | 5.18 | -- | 103.08 | 0.17 [<0.048] | 0.019 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 9/19/2012 | 108.26 | 4.60 | -- | 103.66 | 0.24 J [<0.050] | 1 [0.014 J] | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-4 | 11/06/2012 | 108.94 | 4.00 | -- | 104.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 04/01/2013 | 108.94 | 6.79 | -- | 102.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/02/2013 | 108.94 | 6.60 | -- | 102.34 | <0.50 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-4 | 05/02/2013 | 108.94 | -- | -- | -- | <0.50 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-4 | 09/18/2013 | 108.94 | 5.32 | -- | 103.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 9/19/2013 | 108.94 | -- | -- | -- | 0.55 [<0.43] | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-4 | 11/12/2013 | 108.94 | 5.56 | -- | 103.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/27/2014 | 108.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 05/12/2014 | 108.94 | 6.05 | -- | 102.89 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-4 | 05/12/2014 | 108.94 | -- | -- | -- | <0.42 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-4 | 09/12/2014 | 108.94 | 5.96 | -- | 102.98 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-4 | 11/14/2014 | 108.94 | 6.25 | -- | 102.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/06/2015 | 108.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 04/30/2015 | 108.94 | 6.37 | -- | 102.57 | 0.37 | 0.019 J | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-4 | 09/22/2015 | 108.94 | 5.92 | -- | 103.02 | 0.073 J | 0.014 J | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-4 | 11/09/2015 | 108.94 | 5.96 | -- | 102.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/09/2016 | 108.94 | 4.06 | -- | 104.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/06/2016 | 108.94 | 5.72 | -- | 103.22 | 0.23 J | 0.015 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-4 | 09/21/2016 | 108.94 | 5.72 | -- | 103.22 | 0.63 | 0.014 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-4 | 11/01/2016 | 108.94 | 6.09 | -- | 102.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 04/13/2017 | 108.94 | 6.49 | -- | 102.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/01/2017 | 108.94 | 6.26 | -- | 102.68 | 0.33 | 0.021 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-4 | 08/16/2017 | 108.94 | 6.26 | -- | 102.68 | 0.16 J | 0.032 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-4 | 11/10/2017 | 108.94 | 5.34 | -- | 103.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 03/27/2018 | 108.94 | 6.71 | -- | 102.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 06/19/2018 | 108.94 | 5.25 | -- | 103.69 | 0.15 J | 0.022 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-4 | 08/08/2018 | 108.84 | 6.01 | -- | 102.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | TOC adjusted for 0.1 ft cut |
| MW-4 | 10/30/2018 | 108.94 | 5.93 | -- | 103.01 | <0.15 J | 0.017 J | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | |
| MW-4 | 3/29/2019 | 108.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-4 | 5/14/2019 | 108.88 | 5.85 | 0.00 | 103.03 | 0.033 J | < 0.2 7 B J | -- | < 0.0002 | < 0.0002 | < 0.0004 | < 0.001 | < 0.0002 | -- | -- | |
| MW-4 | 9/17/2019 | 108.88 | 6.38 | 0.00 | 102.5 | 0.26 [0.25 J] | < 0.1 [< 0.1] | -- | < 0.000030 [0.000035 J] | < 0.000050 [< 0.000050] | < 0.00020 B [< 0.00020 B] | < 0.00050 B [< 0.00050 B] | -- [-] | -- [-] | -- | |
| MW-4 | 11/04/2019 | 108.88 | 6.09 | 0.00 | 102.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 08/16/2000 | -- | 5.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 09/21/2000 | -- | 6.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/01/2001 | -- | 6.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 09/25/2001 | -- | 6.40 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/07/2002 | 108.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 09/29/2002 | 108.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 12/07/2002 | 108.14 | 6.18 | -- | 101.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/06/2003 | 108.14 | 6.29 | -- | 101.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 10/03/2003 | 108.14 | 4.79 | -- | 103.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 12/18/2003 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/22/2004 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/09/2004 | 108.14 | 6.83 | -- | 101.31 | 0.70 | 0.32 | -- | 0.039 | 0.0010 | 0.0090 | 0.020 | <0.0020 | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|---------------|--------------|--------------|----------------|----------------|----------------------|----------------------|-------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-5 | 09/21/2004 | 108.14 | 6.65 | -- | 101.49 | 0.53 | 0.33 | -- | 0.030 | 0.0010 | 0.0030 | 0.022 | <0.0020 | -- | -- | |
| MW-5 | 12/06/2004 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/21/2005 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/15/2005 | 108.14 | 5.87 | -- | 102.27 | 0.82 | 0.15 | -- | 0.015 | <0.00050 | 0.0020 | 0.0030 | <0.0020 | -- | -- | |
| MW-5 | 09/28/2005 | 108.14 | 5.42 | -- | 102.72 | 0.67 | 0.15 | -- | 0.015 | 0.00060 | 0.00090 | 0.011 | <0.0020 | -- | -- | |
| MW-5 | 12/07/2005 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 04/07/2006 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/18/2006 | 108.14 | 6.36 | -- | 101.78 | 0.62 | 1.3 | -- | 0.068 | 0.027 | 0.034 | 0.088 | -- | -- | -- | |
| MW-5 | 09/28/2006 | 108.14 | 4.56 | -- | -- | <0.24 | 0.17 | -- | 0.010 | <0.00050 | 0.0010 | 0.013 | -- | -- | -- | |
| MW-5 | 12/20/2006 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/15/2007 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/21/2007 | 108.14 | 6.11 | -- | 102.03 | -- | -- | -- | 0.094 | 0.043 | 0.054 | 0.16 | -- | -- | -- | |
| MW-5 | 09/27/2007 | 108.14 | 5.15 | -- | 102.99 | -- | -- | -- | 0.030 | 0.0020 | 0.0090 | 0.030 | -- | -- | -- | |
| MW-5 | 05/19/2008 | 108.14 | 6.05 | -- | 102.09 | -- | -- | -- | 0.039 | 0.0020 | 0.019 | 0.012 | -- | -- | -- | |
| MW-5 | 06/26/2008 | 108.14 | 5.87 | -- | 102.27 | -- | 0.20 | -- | 0.020 | <0.0010 | 0.0050 | 0.0030 | -- | -- | -- | |
| MW-5 | 09/17/2008 | 108.14 | 6.05 | -- | 102.09 | 0.41 | 0.10 | -- | 0.010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-5 | 03/20/2009 | 108.14 | 7.10 | -- | 101.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/08/2009 | 108.14 | 5.51 | -- | 102.63 | 0.57 | 1.5 | -- | 0.042 | 0.020 | 0.041 | 0.11 | -- | -- | -- | |
| MW-5 | 09/23/2009 | 108.14 | 6.38 | -- | 101.76 | -- | 0.42 | -- | 0.024 | 0.0018 | 0.0090 | 0.029 | -- | -- | -- | |
| MW-5 | 12/09/2009 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/22/2010 | 108.14 | 6.90 | -- | 101.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/06/2010 | 108.14 | 5.69 | -- | 102.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/10/2010 | 108.14 | 5.61 | -- | 102.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 10/05/2010 | 108.14 | -- | -- | -- | -- | 0.054 | -- | 0.0029 | <0.00050 | 0.00090 | 0.0039 | -- | -- | -- | |
| MW-5 | 12/21/2010 | 108.14 | 5.86 | -- | 102.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/09/2011 | 108.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/13/2011 | 108.14 | 5.90 | -- | 102.24 | 0.59 | 0.30 | -- | 0.015 | 0.0032 | 0.011 | 0.027 | -- | -- | -- | |
| MW-5 | 09/15/2011 | 108.14 | 6.34 | -- | 101.8 | -- | 0.68 | -- | 0.030 | 0.0017 | 0.016 | 0.057 | -- | -- | -- | |
| MW-5 | 12/08/2011 | 108.14 | 5.33 | -- | 102.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/21/2012 | 108.14 | 6.50 | -- | 101.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/20/2012 | 108.14 | 5.10 | -- | 103.04 | -- | -- | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-5 | 09/19/2012 | 108.14 | 3.15 | -- | 104.99 | -- | -- | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-5 | 11/06/2012 | 108.66 | 4.10 | -- | 104.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 04/01/2013 | 108.66 | 6.84 | -- | 101.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 5/2/2013 | 108.66 | 6.50 | -- | 102.16 | 1.2 [0.59] | 2.54 | -- | 0.0588 | 0.0205 | 0.0943 | 0.219 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-5 | 5/2/2013 | 108.66 | -- | -- | -- | 0.98 [<0.50] | 2.64 | -- | 0.0577 | 0.0204 | 0.0945 | 0.213 | -- | -- | -- | |
| MW-5 | 09/18/2013 | 108.66 | 4.80 | -- | 103.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 09/19/2013 | 108.66 | -- | -- | -- | <0.42 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-5 | 11/12/2013 | 108.66 | 5.43 | -- | 103.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/27/2014 | 108.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/12/2014 | 108.66 | 5.53 | -- | 103.13 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 05/13/2014 | 108.66 | -- | -- | -- | <0.40 | 0.115 | -- | 0.0028 | <0.0010 | <0.0010 | 0.0063 | -- | -- | -- | |
| MW-5 | 05/13/2014 | 108.66 | -- | -- | -- | <0.40 | 0.109 | -- | 0.0042 | <0.0010 | <0.0010 | 0.0074 | -- | -- | -- | |
| MW-5 | 09/12/2014 | 108.66 | 5.50 | -- | 103.16 | <0.42 | 0.214 | -- | 0.0020 | <0.0010 | <0.0010 | 0.0048 | -- | -- | -- | |
| MW-5 | 11/14/2014 | 108.66 | 6.39 | -- | 102.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/06/2015 | 108.66 | 5.00 | -- | 103.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 04/30/2015 | 108.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 09/22/2015 | 108.66 | 5.53 | -- | 103.13 | 0.65 | 0.014 J | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-5 | 11/09/2015 | 108.66 | 8.31 | -- | 100.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/09/2016 | 108.66 | 5.32 | -- | 103.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/06/2016 | 108.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 09/21/2016 | 108.66 | 5.69 | -- | 102.97 | 1.1 | 0.041 J | -- | 0.0009 J | <0.0005 | <0.0005 | 0.001 | -- | -- | -- | |
| MW-5 | 11/01/2016 | 108.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 04/13/2017 | 108.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/01/2017 | 108.66 | 6.02 | -- | 102.64 | 0.52 | 0.78 | -- | 0.016 | 0.004 | 0.016 | 0.062 | <0.0005 | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|---------------|--------------|--------------|----------------|----------------|----------------------|----------------------|-------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-5 | 08/16/2017 | 108.66 | 6.02 | -- | 102.64 | 0.25 J | 0.32 | -- | 0.008 | 0.0008 J | 0.003 | 0.018 | <0.0005 | -- | -- | |
| MW-5 | 11/10/2017 | 108.66 | 5.33 | -- | 103.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 03/27/2018 | 108.66 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 06/19/2018 | 108.39 | 4.66 | -- | 103.73 | 0.32 J | 0.24 | -- | 0.007 | 0.0005 J | 0.003 | 0.016 | <0.0005 | -- | -- | |
| MW-5 | 08/08/2018 | 108.39 | 5.58 | -- | 102.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 10/31/2018 | 108.39 | 5.64 | -- | 102.75 | 0.50 J | 0.15 | -- | 0.005 | 0.0003 J | 0.0003 J | 0.013 | <0.0002 | -- | -- | |
| MW-5 | 3/29/2019 | 108.76 | 5.95 | 0.00 | 102.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-5 | 5/13/2019 | 108.76 | 5.60 | 0.00 | 103.16 | 0.35 | < 0.26 B J | -- | 0.008 | < 0.001 B | 0.006 | 0.027 | < 0.0002 | -- | -- | |
| MW-5 | 9/17/2019 | 108.76 | 6.41 | 0.00 | 102.35 | 0.33 | 0.22 J | -- | 0.0066 | < 0.00059 B | 0.00057 | 0.00138 | -- | -- | -- | |
| MW-5 | 11/04/2019 | 108.76 | 5.94 | 0.00 | 102.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/21/2000 | -- | 8.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/01/2001 | -- | 8.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/25/2001 | -- | 8.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/07/2002 | 110.58 | -- | -- | 102.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/29/2002 | 110.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 12/07/2002 | 110.61 | 8.07 | -- | 102.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/06/2003 | 110.61 | 8.34 | -- | 102.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 10/03/2003 | 110.61 | 7.85 | -- | 102.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 12/18/2003 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/22/2004 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/09/2004 | 110.61 | 7.97 | -- | 102.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/21/2004 | 110.61 | 8.70 | -- | 101.91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 10/29/2004 | 110.61 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | |
| MW-6 | 12/06/2004 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/21/2005 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/15/2005 | 110.61 | 7.61 | -- | 103.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/28/2005 | 110.61 | 7.23 | -- | 103.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 12/07/2005 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 04/07/2006 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/18/2006 | 110.61 | 8.51 | -- | 102.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/28/2006 | 110.61 | 7.04 | -- | 103.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 12/20/2006 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/15/2007 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/21/2007 | 110.61 | 8.01 | -- | 102.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/27/2007 | 110.61 | 7.38 | -- | 103.23 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/17/2008 | 110.61 | 7.89 | -- | 102.72 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/26/2008 | 110.61 | 7.50 | -- | 103.11 | 0.35 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-6 | 09/17/2008 | 110.61 | 7.26 | -- | 103.35 | 0.32 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-6 | 03/20/2009 | 110.61 | 8.53 | -- | 102.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/09/2009 | 110.61 | 7.50 | -- | 103.11 | 1.3 | 0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-6 | 09/23/2009 | 110.61 | 8.02 | -- | 102.59 | 0.36 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-6 | 12/09/2009 | 110.61 | 7.37 | -- | 103.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/22/2010 | 110.61 | 8.55 | -- | 102.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/06/2010 | 110.61 | 7.71 | -- | 102.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/10/2010 | 110.61 | 8.40 | -- | 102.21 | 1.2 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-6 | 10/05/2010 | 110.61 | 7.96 | -- | 102.65 | 2.4 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-6 | 12/21/2010 | 110.61 | 7.67 | -- | 102.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/09/2011 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/13/2011 | 110.61 | 7.80 | -- | 102.81 | 3.7 | 0.012 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-6 | 09/15/2011 | 110.61 | 7.99 | -- | 102.62 | 2.8 | 0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-6 | 12/08/2011 | 110.61 | 7.94 | -- | 102.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/21/2012 | 110.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 6/20/2012 | 110.61 | 7.29 | -- | 103.32 | 1.5 [<0.050] | 0.012 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-6 | 07/05/2012 | 110.61 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |

Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|---------------------|-----------------------|--------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-6 | 9/19/2012 | 110.61 | 6.76 | -- | 103.85 | 0.81 [<0.050] | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-6 | 11/06/2012 | 111.10 | 6.54 | -- | 104.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 04/01/2013 | 111.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 5/2/2013 | 111.10 | 8.25 | -- | 102.85 | <0.50 [<0.50] | <0.10 | -- | <0.0010 | 0.0013 | <0.0010 | <0.0030 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-6 | 05/02/2013 | 111.10 | -- | -- | -- | 1.5 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-6 | 09/18/2013 | 111.10 | 6.85 | -- | 104.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 9/19/2013 | 111.10 | -- | -- | -- | 1.2 [<0.42] | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-6 | 11/12/2013 | 111.10 | 7.43 | -- | 103.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/27/2014 | 111.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 05/12/2014 | 111.10 | 7.65 | -- | 103.45 | 0.89 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-6 | 05/12/2014 | 111.10 | -- | -- | -- | 1.6 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-6 | 09/12/2014 | 111.10 | 5.50 | -- | 105.60 | 0.89 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-6 | 11/14/2014 | 111.10 | 8.54 | -- | 102.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/06/2015 | 111.10 | 7.10 | -- | 104.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 04/30/2015 | 111.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 09/22/2015 | 111.10 | 7.62 | -- | 103.48 | 1.4 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-6 | 11/09/2015 | 111.10 | 8.31 | -- | 102.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/09/2016 | 111.10 | 7.35 | -- | 103.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 6/7/2016 | 111.10 | 7.88 | -- | 103.22 | 1.3 [1.3] | <0.010 [<0.010] | -- | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | -- | |
| MW-6 | 9/21/2016 | 111.10 | 7.44 | -- | 103.66 | 2.7 [2.3] | <0.010 [<0.010] | -- | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | -- | |
| MW-6 | 11/01/2016 | 111.10 | 7.80 | -- | 103.30 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 04/13/2017 | 111.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/01/2017 | 111.10 | 7.45 | -- | 103.65 | 3.0 | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-6 | 08/16/2017 | 111.10 | 7.88 | -- | 103.22 | 1.7 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-6 | 11/10/2017 | 111.10 | 7.42 | -- | 103.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 03/27/2018 | 111.10 | 8.31 | -- | 102.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 06/18/2018 | 111.10 | 6.91 | -- | 104.19 | 2.4 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-6 | 08/09/2018 | 111.10 | 7.71 | -- | 103.39 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 10/31/2018 | 111.10 | 7.58 | -- | 103.52 | 2.4 J | <0.014 | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | |
| MW-6 | 3/29/2019 | 111.16 | 7.85 | 0.00 | 103.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-6 | 5/14/2019 | 111.16 | 7.44 | 0.00 | 103.72 | <0.014 | 0.77 J | -- | <0.0002 | <0.0002 | <0.0004 | <0.001 | <0.0002 | <0.0002 | <0.0003 | |
| MW-6 | 9/17/2019 | 111.16 | 8.08 | 0.00 | 103.08 | 1.2 | <0.1 | -- | -- | <0.00020 B | <0.00020 B | <0.00050 B | 0.0005 | <0.000020 | -- | |
| MW-6 | 11/04/2019 | 111.16 | 7.72 | 0.00 | 103.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 09/29/2002 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 12/07/2002 | 4.87 | 101.82 | -- | 101.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/06/2003 | 4.90 | 101.79 | -- | 101.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 10/03/2003 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 10/04/2003 | 3.22 | 103.47 | -- | 103.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 12/18/2003 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/22/2004 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/09/2004 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 09/21/2004 | 106.69 | 6.26 | -- | 100.43 | 7.3 | 8.0 | -- | 0.26 | 0.031 | 0.29 | 0.73 | <0.0020 | -- | -- | |
| MW-7 | 12/06/2004 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/21/2005 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/15/2005 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 09/28/2005 | 106.69 | 4.09 | -- | 102.60 | 0.22 | 0.089 | -- | 0.0040 | <0.00050 | 0.0030 | 0.0040 | <0.0020 | -- | -- | |
| MW-7 | 12/07/2005 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 04/07/2006 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/18/2006 | 106.69 | 5.14 | -- | 101.55 | 3.3 | 4.5 | -- | 0.18 | 0.025 | 0.18 | 0.45 | -- | -- | -- | |
| MW-7 | 09/28/2006 | 106.69 | 3.55 | -- | 103.14 | 4.4 | 3.2 | -- | 0.077 | 0.0080 | 0.11 | 0.22 | -- | -- | -- | |
| MW-7 | 12/20/2006 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/15/2007 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/21/2007 | 106.69 | 5.05 | -- | 101.64 | 0.60 | 3.2 | -- | 0.16 | 0.014 | 0.15 | 0.42 | -- | -- | -- | |
| MW-7 | 09/27/2007 | 106.69 | 4.17 | -- | 102.52 | 0.36 | 0.50 | -- | 0.016 | 0.0020 | 0.024 | 0.056 | -- | -- | -- | |

Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
 Chevron-Branded Service Station 95414
 5210 Old Seward Highway
 Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|----------------|----------------------|--------------|----------------|----------------|----------------------|----------------------|----------------------|----------------------|---------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-7 | 05/19/2008 | 106.69 | 5.15 | -- | 101.54 | 0.85 | 6.1 | -- | 0.33 | 0.092 | 0.33 | 1.1 | -- | -- | -- | |
| MW-7 | 06/26/2008 | 106.69 | 4.71 | -- | 101.98 | 1.6 | 10 | -- | 0.30 | 0.080 | 0.40 | 1.2 | -- | -- | -- | |
| MW-7 | 09/17/2008 | 106.69 | 3.62 | -- | 103.07 | 0.51 | 3.6 | -- | 0.10 | 0.020 | 0.20 | 0.50 | -- | -- | -- | |
| MW-7 | 03/20/2009 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/08/2009 | 106.69 | 4.45 | -- | 102.24 | 1.3 | 10 | -- | 0.32 | 0.051 | 0.34 | 1.1 | -- | -- | -- | |
| MW-7 | 09/23/2009 | 106.69 | 5.19 | -- | 101.50 | 1.6 | 11 | -- | 0.32 | 0.035 | 0.46 | 1.4 | -- | -- | -- | |
| MW-7 | 12/09/2009 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/22/2010 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/06/2010 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/10/2010 | 106.69 | 4.61 | -- | 102.08 | 1.7 | 4.5 | -- | 0.18 | 0.050 | 0.19 | 0.54 | -- | -- | -- | |
| MW-7 | 12/21/2010 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/09/2011 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/13/2011 | 106.69 | 4.95 | -- | 101.74 | 1.7 | 9.3 | -- | 0.32 | 0.034 | 0.38 | 1.2 | -- | -- | -- | |
| MW-7 | 09/15/2011 | 106.69 | 5.29 | -- | 101.40 | 2.1 | 9.0 | -- | 0.24 | 0.020 | 0.34 | 1.0 | -- | -- | -- | |
| MW-7 | 12/08/2011 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/21/2012 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/20/2012 | 106.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 9/19/2012 | 106.69 | 4.30 | -- | 102.39 | 1.1 [0.60] | 5.1 | -- | 0.076 | 0.0074 | 0.12 | 0.30 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-7 | 11/06/2012 | 107.26 | 2.74 | -- | 104.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 04/01/2013 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/02/2013 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 09/18/2013 | 107.26 | 3.80 | -- | 103.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 9/19/2013 | 107.26 | -- | -- | -- | 1.1 [0.80] | 2.54 | -- | 0.0661 | 0.00650 | 0.113 | 0.266 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-7 | 11/12/2013 | 107.26 | 4.24 | -- | 103.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/27/2014 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/12/2014 | 107.26 | 4.62 | -- | 102.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 05/13/2014 | 107.26 | -- | -- | -- | <0.40 | 0.963 | -- | 0.0464 | 0.00370 | 0.0482 | 0.0900 | -- | -- | -- | |
| MW-7 | 05/13/2014 | 107.26 | -- | -- | -- | <0.40 | 0.538 | -- | 0.00830 | <0.00100 | 0.0108 | 0.0297 | -- | -- | -- | |
| MW-7 | 09/12/2014 | 107.26 | 4.50 | -- | 102.76 | <0.40 | 0.219 | -- | 0.0038 | <0.0010 | 0.0042 | 0.0064 | -- | -- | -- | |
| MW-7 | 11/14/2014 | 107.26 | 5.27 | -- | 101.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 04/30/2015 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 09/22/2015 | 107.26 | 4.50 | -- | 102.76 | 0.94 | 0.011 J | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-7 | 11/09/2015 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/09/2016 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/06/2016 | 107.26 | 4.31 | -- | 102.95 | 1.1 | 0.041 J | -- | <0.0005 | <0.0005 | <0.0005 | 0.0007 J | -- | -- | -- | |
| MW-7 | 09/21/2016 | 107.26 | 4.47 | -- | 102.79 | 1.2 | 2.3 | -- | 0.081 | 0.007 | 0.094 | 0.17 | -- | -- | -- | |
| MW-7 | 11/01/2016 | 107.26 | 5.02 | -- | 102.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 04/13/2017 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 06/01/2017 | 107.26 | 5.09 | -- | 102.17 | 1.4 | 6.9 | -- | 0.18 | 0.018 | 0.29 | 0.53 | <0.001 | -- | -- | |
| MW-7 | 08/16/2017 | 107.26 | 5.03 | -- | 102.23 | 0.73 J | 5.2 | -- | 0.12 | 0.015 | 0.20 | 0.54 | <0.0005 | -- | -- | |
| MW-7 | 11/10/2017 | 107.26 | 4.63 | -- | 102.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 03/27/2018 | 107.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 6/19/2018 | 107.06 | 3.83 | -- | 103.23 | 1.0 J [1.1 J] | 8.6 [9.5] | -- | 0.19 [0.18] | 0.027 [0.025] | 0.28 [0.26] | 0.68 [0.69] | <0.0005 [<0.001] | -- | -- | |
| MW-7 | 08/09/2018 | 107.06 | 4.45 | -- | 102.61 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-7 | 10/31/2018 | 107.06 | 4.68 | -- | 102.38 | 1.6 J [1.4 J] | 6.1 [6.0] | -- | 0.095 [0.093] | 0.010 [0.010] | 0.21 [0.21] | 0.65 [0.63] | <0.0004 [<0.0004] | -- | -- | |
| MW-7 | 3/29/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Well obstructed by ice |
| MW-7 | 5/13/2019 | 107.35 | 4.33 | 0.00 | 103.02 | 2.8 [2.9] | 0.43 J [< 0.42 B J] | -- | 0.15 [0.15] | 0.042 [0.042] | 0.22 [0.23] | 0.42 D [0.45 D] | < 0.0002 [< 0.0002] | < 0.0002 [< 0.0002] | 0.001 [0.001] | |
| MW-7 | 9/17/2019 | 107.35 | 5.26 | 0.00 | 102.09 | 2.2 | 5.8 | -- | -- | 0.018 | 0.36 D | 0.827 D | < 0.000070 | < 0.000020 | -- | |
| MW-7 | 11/04/2019 | 107.35 | 4.82 | 0.00 | 102.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 10/03/2003 | 108.20 | 5.55 | -- | 102.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 12/18/2003 | 108.20 | 5.89 | -- | 102.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 03/22/2004 | 108.20 | 7.16 | -- | 101.04 | 0.90 | 2.2 | -- | 0.11 | 0.0050 | 0.076 | 0.16 | <0.00050 | -- | -- | |
| MW-8 | 03/22/2004 | 108.20 | -- | -- | -- | 0.89 | 2.6 | -- | 0.11 | 0.0050 | 0.078 | 0.16 | <0.00050 | -- | -- | |
| MW-8 | 06/09/2004 | 108.20 | 6.22 | -- | 101.98 | 1.3 | 2.6 | -- | 0.15 | 0.0080 | 0.11 | 0.10 | <0.0020 | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska**

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|---------------|--------------|--------------|----------------|-------------------|----------------------|----------------------|--------------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-8 | 09/21/2004 | 108.20 | 7.27 | -- | 100.93 | 1.5 | 4.1 | -- | 0.23 | 0.014 | 0.15 | 0.34 | <0.0020 | -- | -- | |
| MW-8 | 12/06/2004 | 108.20 | 6.67 | -- | 101.53 | 1.1 | 4.8 | -- | 0.18 | 0.015 | 0.19 | 0.37 | <0.0020 | -- | -- | |
| MW-8 | 03/21/2005 | 108.20 | 7.14 | -- | 101.06 | 1.0 | 1.6 | -- | 0.12 | 0.0030 | 0.080 | 0.027 | <0.0020 | -- | -- | |
| MW-8 | 03/21/2005 | 108.20 | -- | -- | -- | 0.92 | 1.7 | -- | 0.12 | 0.0020 | 0.078 | 0.027 | <0.0020 | -- | -- | |
| MW-8 | 5/15/2005 | 108.20 | 6.26 | -- | 101.94 | 0.91 [0.60] | 4.3 [0.086] | -- | 0.21 [0.0010] | 0.012 [<0.00050] | 0.17 [<0.00050] | 0.16 [0.0030] | <0.0020 [<0.0020] | -- | -- | |
| MW-8 | 09/28/2005 | 108.20 | 5.94 | -- | 102.26 | 0.92 | 3.5 | -- | 0.25 | 0.019 | 0.17 | 0.24 | <0.0020 | -- | -- | |
| MW-8 | 12/07/2005 | 108.20 | 6.01 | -- | 102.19 | 0.99 | 1.1 | -- | 0.036 | 0.0030 | 0.026 | 0.027 | <0.0020 | -- | -- | |
| MW-8 | 04/07/2006 | 108.20 | 7.30 | -- | 100.90 | 1.1 | 1.5 | -- | 0.096 | 0.0040 | 0.052 | 0.077 | <0.00050 | -- | -- | |
| MW-8 | 04/07/2006 | 108.20 | -- | -- | -- | 0.98 | 1.5 | -- | 0.096 | 0.0040 | 0.050 | 0.069 | <0.00050 | -- | -- | |
| MW-8 | 05/18/2006 | 108.20 | 7.06 | -- | 101.14 | 0.72 | 3.6 | -- | 0.16 | 0.010 | 0.14 | 0.17 | -- | -- | -- | |
| MW-8 | 09/28/2006 | 108.20 | 5.82 | -- | 102.38 | 1.0 | 4.3 | -- | 0.19 | 0.016 | 0.17 | 0.40 | -- | -- | -- | |
| MW-8 | 12/20/2006 | 108.20 | 5.00 | -- | 103.20 | 0.86 | 1.0 | -- | 0.038 | 0.0027 | 0.027 | 0.040 | -- | -- | -- | |
| MW-8 | 03/15/2007 | 108.20 | 7.37 | -- | 100.83 | 0.62 | 0.10 | -- | 0.020 | 0.0020 | 0.010 | 0.020 | 0.0050 | -- | -- | |
| MW-8 | 03/15/2007 | 108.20 | -- | -- | -- | 0.70 | 0.030 | -- | 0.020 | 0.0020 | 0.010 | 0.020 | <0.010 | -- | -- | |
| MW-8 | 05/21/2007 | 108.20 | 7.04 | -- | 101.16 | 0.98 | 1.4 | -- | 0.062 | 0.0020 | 0.047 | 0.030 | -- | -- | -- | |
| MW-8 | 09/27/2007 | 108.15 | 6.22 | -- | 101.93 | 1.6 | 4.9 | -- | 0.16 | 0.011 | 0.14 | 0.26 | -- | -- | -- | |
| MW-8 | 12/11/2007 | 108.15 | 6.24 | -- | 101.91 | 0.75 | 1.7 | -- | 0.040 | 0.0030 | 0.030 | 0.070 | <0.10 | -- | -- | |
| MW-8 | 03/04/2008 | 108.15 | 6.67 | -- | 101.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 05/19/2008 | 108.15 | 7.08 | -- | 101.07 | 0.72 | 4.9 | -- | 0.19 | 0.014 | 0.20 | 0.34 | -- | -- | -- | |
| MW-8 | 06/04/2008 | 108.15 | 7.74 | -- | 100.41 | 0.71 | 2.9 | -- | 0.10 | 0.010 | 0.10 | 0.20 | -- | -- | -- | |
| MW-8 | 06/26/2008 | 108.15 | 6.28 | -- | 101.87 | 0.70 | 2.1 | -- | 0.060 | 0.0040 | 0.050 | 0.040 | -- | -- | -- | |
| MW-8 | 09/17/2008 | 108.15 | 5.81 | -- | 102.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 09/18/2008 | 108.15 | -- | -- | -- | 0.98 | 6.1 | -- | 0.20 | 0.020 | 0.20 | 0.50 | -- | -- | -- | |
| MW-8 | 12/10/2008 | 108.15 | 6.16 | -- | 101.99 | 0.72 | 1.2 | -- | 0.040 | 0.0030 | 0.020 | 0.050 | <0.010 | -- | -- | |
| MW-8 | 03/20/2009 | 108.15 | 7.46 | -- | 100.69 | 0.88 | 0.97 | -- | 0.027 | 0.0016 | 0.015 | 0.021 | <0.010 | -- | -- | |
| MW-8 | 06/09/2009 | 108.15 | 5.90 | -- | 102.25 | 0.68 | 2.4 | -- | 0.078 | 0.0052 | 0.073 | 0.087 | -- | -- | -- | |
| MW-8 | 09/23/2009 | 108.15 | 6.83 | -- | 101.32 | 0.78 | 3.6 | -- | 0.15 | 0.010 | 0.10 | 0.20 | -- | -- | -- | |
| MW-8 | 12/09/2009 | 108.15 | 5.99 | -- | 102.16 | 0.64 | 1.6 | -- | 0.038 | 0.0029 | 0.025 | 0.062 | -- | -- | -- | |
| MW-8 | 03/22/2010 | 108.15 | 7.33 | -- | 100.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 03/25/2010 | 108.15 | -- | -- | -- | 0.64 | 0.87 | -- | 0.024 | 0.0014 | 0.012 | 0.0072 | -- | -- | -- | |
| MW-8 | 05/06/2010 | 108.15 | 6.79 | -- | 101.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 05/10/2010 | 108.15 | 6.48 | -- | 101.67 | 0.79 | 4.8 | -- | 0.14 | 0.010 | 0.14 | 0.28 | -- | -- | -- | |
| MW-8 | 10/05/2010 | 108.15 | 6.88 | -- | 101.27 | 0.99 | 2.3 | -- | 0.091 | 0.0056 | 0.066 | 0.083 | -- | -- | -- | |
| MW-8 | 12/21/2010 | 108.15 | 5.60 | -- | 102.55 | 0.81 | 1.1 | -- | 0.020 | 0.0028 | 0.010 | 0.032 | -- | -- | -- | |
| MW-8 | 03/09/2011 | 108.15 | 7.41 | -- | 100.74 | 0.87 | 1.0 | -- | 0.026 | 0.0024 | 0.013 | 0.039 | -- | -- | -- | |
| MW-8 | 06/13/2011 | 108.15 | 7.60 | -- | 100.55 | 1.3 | 2.4 | -- | 0.084 | 0.0058 | 0.071 | 0.11 | -- | -- | -- | |
| MW-8 | 09/15/2011 | 108.15 | 6.91 | -- | 101.24 | 1.6 | 4.8 | -- | 0.15 | 0.013 | 0.11 | 0.26 | -- | -- | -- | |
| MW-8 | 12/8/2011 | 108.15 | 5.89 | -- | 102.26 | 0.86 [0.22] | 1.6 | -- | 0.042 | 0.0034 | 0.029 | 0.062 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 3/21/2012 | 108.15 | 6.62 | -- | 101.53 | 0.73 [0.21] | 1.4 | -- | 0.027 | 0.0028 | 0.016 | 0.053 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 6/20/2012 | 108.15 | 5.34 | -- | 102.81 | 1.1 [0.45] | 2.7 | -- | 0.090 | 0.0062 | 0.079 | 0.052 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 07/05/2012 | 108.15 | -- | -- | -- | -- | 2.8 | -- | 0.12 | 0.0088 | 0.10 | 0.080 | -- | -- | -- | |
| MW-8 | 9/19/2012 | 108.15 | 4.68 | -- | 103.47 | 1.2 [0.53] | 3.7 | -- | 0.14 | 0.010 | 0.12 | 0.22 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 11/6/2012 | 108.70 | 4.10 | -- | 104.60 | 0.67 [0.33] | 2.5 | -- | 0.084 | 0.0036 | 0.10 | 0.019 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 4/1/2013 | 108.70 | 7.30 | -- | 101.40 | 0.52 [<0.45] | 0.293 | -- | 0.0084 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 05/02/2013 | 108.70 | 7.15 | -- | 101.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 5/3/2013 | 108.70 | -- | -- | -- | 0.53 [<0.50] | 0.394 | -- | 0.0175 | <0.00100 | 0.00660 | <0.00300 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 05/03/2013 | 108.70 | -- | -- | -- | <0.50 | 0.53 | -- | 0.0188 | <0.00100 | 0.00800 | <0.00300 | -- | -- | -- | |
| MW-8 | 9/18/2013 | 108.70 | 5.63 | -- | 103.07 | 1.20 [0.75] | 3.72 | -- | 0.134 | 0.0112 | 0.181 | 0.237 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-8 | 11/12/2013 | 108.70 | 5.84 | -- | 102.86 | 1.00 | 3.4 | -- | 0.0980 | 0.00810 | 0.145 | 0.281 | -- | -- | -- | |
| MW-8 | 03/27/2014 | 108.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 05/12/2014 | 108.70 | 6.48 | -- | 102.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-8 | 05/13/2014 | 108.70 | -- | -- | -- | 0.78 | 1.84 | -- | 0.0709 | 0.00370 | 0.0794 | 0.0687 | -- | -- | -- | |
| MW-8 | 05/13/2014 | 108.70 | -- | -- | -- | 0.75 | 2.08 | -- | 0.0951 | 0.00430 | 0.0961 | 0.0865 | -- | -- | -- | |
| MW-8 | 09/12/2014 | 108.70 | 6.32 | -- | 102.38 | 1.0 | 2.86 | -- | 0.100 | 0.00630 | 0.118 | 0.135 | -- | -- | -- | |
| MW-8 | 09/12/2014 | 108.70 | -- | -- | -- | 0.99 | 2.72 | -- | 0.103 | 0.00650 | 0.121 | 0.140 | -- | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|-----------------|----------------|--------------|----------------|----------------------|----------------------|----------------------|-------------------|----------------|--------------|----------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-8 | 11/14/2014 | 108.70 | 6.80 | -- | 101.90 | 1.5 | 1.28 | -- | 0.0648 | 0.00300 | 0.0589 | 0.0408 | -- | -- | -- | |
| MW-8 | 03/06/2015 | 108.70 | 5.10 | -- | 103.60 | 0.46 | 0.24 | -- | 0.0044 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-8 | 04/30/2015 | 108.70 | 7.02 | -- | 101.68 | 0.41 | 0.95 | -- | 0.020 | 0.0010 | 0.011 | 0.028 | -- | -- | -- | |
| MW-8 | 09/22/2015 | 108.70 | 6.53 | -- | 102.17 | 0.62 | 2.3 | -- | 0.13 | 0.010 | 0.12 | 0.25 | -- | -- | -- | |
| MW-8 | 11/09/2015 | 108.70 | 6.58 | -- | 102.12 | 1.4 | 4.3 | -- | 0.11 | 0.010 | 0.13 | 0.32 | -- | -- | -- | |
| MW-8 | 03/09/2016 | 108.70 | 5.74 | -- | 102.96 | 0.088 J | 0.057 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-8 | 06/06/2016 | 108.70 | 5.57 | -- | 103.13 | 0.30 | 0.054 J | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-8 | 09/21/2016 | 108.70 | 6.14 | -- | 102.56 | 1.2 | 3.1 | -- | 0.10 | 0.007 | 0.071 | 0.19 | -- | -- | -- | |
| MW-8 | 11/1/2016 | 108.70 | 6.74 | -- | 101.96 | 0.57 J [0.58 J] | 1.7 J [1.8 J] | -- | 0.022 [0.022] | 0.002 [0.002] | 0.012 [0.012] | 0.051 [0.052] | -- | -- | -- | |
| MW-8 | 04/13/2017 | 108.70 | 7.16 | -- | 101.54 | 0.28 [0.24 J] | 0.61 [0.52] | -- | 0.01 [0.009] | 0.0007 J [0.0007 J] | 0.004 [0.004] | 0.006 [0.005] | <0.0005 [<0.0005] | -- | -- | |
| MW-8 | 06/01/2017 | 108.70 | 6.83 | -- | 101.87 | 0.75 | 1.7 | -- | 0.042 | 0.003 | 0.058 | 0.055 | <0.0005 | -- | -- | |
| MW-8 | 08/16/2017 | 108.70 | 6.85 | -- | 101.85 | 0.39 J [0.48 J] | 2.2 [2.2] | -- | 0.059 [0.058] | 0.004 [0.004] | 0.040 [0.039] | 0.038 [0.035] | <0.0005 [<0.0005] | -- | -- | |
| MW-8 | 11/10/2017 | 108.70 | 6.34 | -- | 102.36 | 0.43 J [0.46] | 1.6 [1.5] | -- | 0.017 [0.018] | 0.001 [0.001] | 0.015 [0.016] | 0.026 [0.027] | -- | -- | -- | |
| MW-8 | 03/27/2018 | 108.70 | 7.37 | -- | 101.33 | 0.44 J [0.34 J] | 0.55 [0.54] | -- | 0.004 [0.004] | <0.0005 [<0.0005] | <0.0005 [<0.0005] | 0.006 [0.006] | <0.0005 [<0.0005] | -- | -- | |
| MW-8 | 06/19/2018 | 108.70 | 5.38 | -- | 103.32 | 0.27 J | 1.1 | -- | 0.023 | 0.0009 J | 0.027 | 0.004 | <0.0005 | -- | -- | |
| MW-8 | 08/08/2018 | 108.70 | 6.32 | -- | 102.38 | 0.27 [0.29] | 0.70 [0.68] | -- | 0.015 [0.015] | 0.0004 J [0.0003 J] | 0.007 [0.007] | <0.0005 [<0.0005] | <0.0002 [<0.0002] | -- | -- | |
| MW-8 | 10/31/2018 | 108.70 | 6.51 | -- | 102.19 | 0.78 J | 1.2 | -- | 0.052 | 0.003 | 0.029 | 0.053 | <0.0002 | -- | -- | |
| MW-8 | 3/29/2019 | 108.70 | 6.30 | 0.00 | 102.4 | 1.3 | 0.48 | -- | 0.02 | 0.002 | 0.017 | 0.051 | -- | -- | -- | |
| MW-8 | 5/14/2019 | 108.70 | 6.30 | 0.00 | 102.4 | 2.8 | 0.54 J | -- | 0.06 | 0.005 | 0.074 | 0.13 | <0.0002J | -- | -- | |
| MW-8 | 9/17/2019 | 108.70 | 6.98 | 0.00 | 101.72 | 0.56 | 0.28 | -- | 0.0073 | <0.00025 B | <0.00022 B | 0.00136 J | -- | -- | -- | |
| MW-8 | 11/04/2019 | 108.7 | 6.50 | 0.00 | 102.20 | 0.51 [0.64] | 1.2 [1.2] | -- | 0.047 [0.047] | 0.0034 [0.0032] | 0.03 [0.03] | 0.0706 [0.0696] | -- [-] | -- [-] | -- | |
| MW-9 | 10/03/2003 | 107.27 | 4.73 | -- | 102.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9 | 12/18/2003 | 107.27 | 5.03 | -- | 102.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9 | 03/22/2004 | 107.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9 | 06/09/2004 | 107.27 | 5.45 | -- | 101.82 | 1.0 | 2.1 | -- | 0.16 | 0.0070 | 0.074 | 0.12 | <0.0020 | -- | -- | |
| MW-9 | 09/21/2004 | 107.27 | 5.57 | -- | 101.70 | 0.26 | <0.010 | -- | 0.00060 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-9 | 12/06/2004 | 107.27 | 5.59 | -- | 101.68 | 0.69 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-9 | 03/21/2005 | 107.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9 | 05/15/2005 | 107.27 | 5.57 | -- | 101.70 | 2.6 | 0.052 | -- | 0.011 | <0.00050 | 0.00080 | 0.00060 | <0.0020 | -- | -- | |
| MW-9 | 09/28/2005 | 107.27 | 5.22 | -- | 102.05 | 1.1 | 1.1 | -- | 0.10 | 0.0020 | 0.035 | 0.057 | <0.0020 | -- | -- | |
| MW-9 | 12/07/2005 | 107.27 | 5.24 | -- | 102.03 | 0.73 | 0.33 | -- | 0.065 | 0.00060 | 0.0040 | 0.0010 | <0.0020 | -- | -- | |
| MW-9 | 04/07/2006 | 107.27 | 6.47 | -- | 100.80 | 0.096 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | |
| MW-9 | 05/18/2006 | 107.27 | 6.29 | -- | 100.98 | 1.2 | 0.019 | -- | 0.0010 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-9 | 09/28/2006 | 107.27 | 4.66 | -- | 102.61 | 1.6 | 0.060 | -- | 0.0010 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-9 | 12/20/2006 | 107.27 | 3.85 | -- | 103.42 | 0.54 | 0.60 | -- | 0.048 | 0.0013 | 0.024 | 0.027 | -- | -- | -- | |
| MW-9 | 03/15/2007 | 107.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9 | 05/21/2007 | 107.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9 | 09/27/2007 | 107.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 09/27/2007 | 107.58 | 5.78 | -- | 101.80 | 0.41 | 0.40 | -- | 0.037 | 0.0020 | 0.024 | 0.035 | -- | -- | -- | |
| MW-9R | 12/11/2007 | 107.58 | 6.25 | -- | 101.33 | 0.63 | 1.8 | -- | 0.10 | 0.0050 | 0.070 | 0.10 | <0.10 | -- | -- | |
| MW-9R | 03/04/2008 | 107.58 | 6.10 | -- | 101.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 05/19/2008 | 107.58 | 6.69 | -- | 100.89 | 0.84 | 0.20 | -- | 0.017 | <0.00050 | 0.0070 | 0.011 | -- | -- | -- | |
| MW-9R | 06/04/2008 | 107.58 | 6.28 | -- | 101.30 | 0.51 | 2.2 | -- | 0.090 | 0.0050 | 0.070 | 0.10 | -- | -- | -- | |
| MW-9R | 06/26/2008 | 107.58 | 5.90 | -- | 101.68 | 0.79 | 5.0 | -- | 0.20 | 0.020 | 0.20 | 0.40 | -- | -- | -- | |
| MW-9R | 09/17/2008 | 107.58 | 5.31 | -- | 102.27 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 09/18/2008 | 107.58 | -- | -- | -- | 0.065 | 0.020 | -- | 0.0040 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-9R | 12/10/2008 | 107.58 | 8.78 | -- | 98.80 | 0.80 | 2.7 | -- | 0.10 | 0.0080 | 0.10 | 0.30 | <0.050 | -- | -- | |
| MW-9R | 03/19/2009 | 107.58 | 7.18 | -- | 100.40 | 1.1 | 3.8 | -- | 0.14 | 0.0081 | 0.13 | 0.30 | <0.050 | -- | -- | |
| MW-9R | 06/09/2009 | 107.58 | 5.70 | -- | 101.88 | 0.80 | 3.8 | -- | 0.19 | 0.011 | 0.16 | 0.34 | -- | -- | -- | |
| MW-9R | 09/23/2009 | 107.58 | 6.45 | -- | 101.13 | 0.59 | 2.5 | -- | 0.16 | 0.0066 | 0.094 | 0.15 | -- | -- | -- | |
| MW-9R | 12/09/2009 | 107.58 | 5.37 | -- | 102.21 | 0.60 | 3.7 | -- | 0.15 | 0.0098 | 0.15 | 0.34 | -- | -- | -- | |
| MW-9R | 03/22/2010 | 107.58 | 6.69 | -- | 100.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 03/25/2010 | 107.58 | -- | -- | -- | 0.60 | 0.38 | -- | 0.019 | 0.00060 | 0.013 | 0.016 | -- | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|-----------------|--------------|--------------|----------------|----------------|----------------------|----------------------|-------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-9R | 05/06/2010 | 107.58 | 6.10 | -- | 101.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 05/10/2010 | 107.58 | 6.00 | -- | 101.58 | 0.25 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00150 | -- | -- | -- | |
| MW-9R | 10/05/2010 | 107.58 | 6.23 | -- | 101.35 | 0.41 | 1.3 | -- | 0.072 | 0.0030 | 0.047 | 0.066 | -- | -- | -- | |
| MW-9R | 12/21/2010 | 107.58 | 5.57 | -- | 102.01 | 0.93 | 2.5 | -- | 0.13 | 0.0053 | 0.084 | 0.15 | -- | -- | -- | |
| MW-9R | 03/09/2011 | 107.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 06/13/2011 | 107.58 | 6.01 | -- | 101.57 | 0.82 | 1.9 | -- | 0.12 | 0.0049 | 0.071 | 0.12 | -- | -- | -- | |
| MW-9R | 09/15/2011 | 107.58 | 6.40 | -- | 101.18 | 0.75 | 1.4 | -- | 0.11 | 0.0011 | 0.020 | 0.040 | -- | -- | -- | |
| MW-9R | 12/8/2011 | 107.58 | 5.34 | -- | 102.24 | 0.84 [0.2] | 2.2 | -- | 0.076 | 0.0019 | 0.050 | 0.074 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-9R | 3/21/2012 | 107.58 | 7.17 | -- | 100.41 | 0.75 [0.33] | 0.57 | -- | 0.010 | 0.00060 | 0.0038 | 0.0024 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-9R | 6/20/2012 | 107.58 | 4.83 | -- | 102.75 | 2.0 [0.63] | 4.4 | -- | 0.16 | 0.011 | 0.15 | 0.30 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-9R | 07/05/2012 | 107.58 | -- | -- | -- | -- | 2.3 | -- | 0.064 | 0.0035 | 0.061 | 0.11 | -- | -- | -- | |
| MW-9R | 9/19/2012 | 107.58 | 4.13 | -- | 103.45 | 0.18J [0.065J] | 0.58 | -- | 0.019 | 0.00080J | 0.011 | 0.028 | -- | -- | -- | |
| MW-9R | 11/6/2012 | 108.08 | 3.58 | -- | 104.50 | 0.15J [0.097J] | 0.72 | -- | 0.013 | 0.0011J | 0.023 | 0.033 | -- | -- | -- | |
| MW-9R | 04/01/2013 | 108.08 | 6.92 | -- | 101.16 | <0.48 | 0.415 | -- | 0.0354 | 0.00140 | 0.0195 | 0.0239 | -- | -- | -- | |
| MW-9R | 05/02/2013 | 108.08 | 6.14 | -- | 101.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 05/03/2013 | 108.08 | -- | -- | -- | <0.500 | 0.565 | -- | 0.0238 | 0.00130 | 0.0233 | 0.0273 | -- | -- | -- | |
| MW-9R | 05/03/2013 | 108.08 | -- | -- | -- | <0.50 | 0.472 | -- | 0.0407 | 0.00150 | 0.0230 | 0.0289 | -- | -- | -- | |
| MW-9R | 9/18/2013 | 108.08 | 5.15 | -- | 102.93 | 0.50 [<0.39] | 0.634 | -- | 0.0490 | <0.00100 | 0.0133 | 0.0198 | -- | -- | -- | |
| MW-9R | 11/12/2013 | 108.08 | 5.39 | -- | 102.69 | 0.54 | 0.936 | -- | 0.0306 | 0.00140 | 0.0316 | 0.0542 | -- | -- | -- | |
| MW-9R | 03/27/2014 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 05/12/2014 | 108.08 | 6.03 | -- | 102.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 05/13/2014 | 108.08 | -- | -- | -- | <0.40 | 0.726 | -- | 0.0233 | 0.00160 | 0.0276 | 0.0606 | -- | -- | -- | |
| MW-9R | 05/13/2014 | 108.08 | -- | -- | -- | <0.40 | <0.10 | -- | 0.0022 | <0.0010 | 0.0013 | <0.0030 | -- | -- | -- | |
| MW-9R | 09/12/2014 | 108.08 | 5.88 | -- | 102.20 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-9R | 11/14/2014 | 108.08 | 6.10 | -- | 101.98 | <0.40 | 0.385 | -- | 0.0299 | <0.00100 | 0.0100 | 0.0203 | -- | -- | -- | |
| MW-9R | 03/06/2015 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 04/30/2015 | 108.08 | 6.40 | -- | 101.68 | 0.44 | 0.018 J | -- | 0.0020 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-9R | 09/22/2015 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 11/09/2015 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 03/09/2016 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 06/06/2016 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 09/21/2016 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 11/01/2016 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 04/13/2017 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 06/01/2017 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 08/16/2017 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 11/10/2017 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 03/27/2018 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 06/18/2018 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 08/08/2018 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 10/30/2018 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-9R | 3/29/2019 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to access |
| MW-9R | 6/3/2019 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to access |
| MW-9R | 9/17/2019 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to access |
| MW-9R | 11/04/2019 | 108.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | Unable to access |
| MW-10 | 10/03/2003 | 108.93 | 4.98 | -- | 103.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 12/18/2003 | 108.93 | 6.65 | -- | 102.28 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 03/22/2004 | 108.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 06/09/2004 | 108.93 | 7.01 | -- | 101.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 09/21/2004 | 108.93 | 7.38 | -- | 101.55 | 1.5 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-10 | 12/06/2004 | 108.93 | 7.05 | -- | 101.88 | 0.64 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-10 | 12/06/2004 | 108.93 | -- | -- | -- | 1.5 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-10 | 03/21/2005 | 108.93 | 7.36 | -- | 101.57 | 0.43 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| MW-10 | 05/15/2005 | 108.93 | 6.74 | -- | 102.19 | 1.6 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.0020 | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska**

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|----------------------|------------------------|---------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------|--------------|-------------------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-10 | 9/28/2005 | 108.93 | 6.31 | -- | 102.62 | 1.0 [1.2] | <0.010 [<0.010] | 00050 [<0.00 | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.0020 [<0.0020] | -- | -- | -- | |
| MW-10 | 12/7/2005 | 108.93 | 6.69 | -- | 102.24 | 1.1 [1.1] | <0.010 [<0.010] | 00050 [<0.00 | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.0020 [<0.0020] | -- | -- | -- | |
| MW-10 | 04/07/2006 | 108.93 | 7.55 | -- | 101.38 | 0.41 | <0.010 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-10 | 5/18/2006 | 108.93 | 7.31 | -- | 101.62 | 2.3 [2.6] | <0.010 [<0.010] | 00050 [<0.00 | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | -- | |
| MW-10 | 09/28/2006 | 108.93 | 5.47 | -- | 103.46 | 1.6 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-10 | 12/20/2006 | 108.93 | 5.75 | -- | 103.18 | 1.0 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-10 | 03/15/2007 | 108.93 | 8.05 | -- | 100.88 | 0.83 | 0.80 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | <0.0030 | -- | -- | |
| MW-10 | 05/21/2007 | 108.93 | 7.38 | -- | 101.55 | 1.2 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | 0.0010 | -- | -- | -- | |
| MW-10 | 09/27/2007 | 108.78 | 6.31 | -- | 102.47 | 0.87 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-10 | 12/11/2007 | 108.78 | 7.27 | -- | 101.51 | 1.5 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | <0.0030 | -- | -- | |
| MW-10 | 03/04/2008 | 108.78 | 7.23 | -- | 101.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 05/19/2008 | 108.78 | 7.29 | -- | 101.49 | 3.3 | 0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-10 | 06/04/2008 | 108.78 | 7.07 | -- | 101.71 | 0.95 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-10 | 06/26/2008 | 108.78 | 6.85 | -- | 101.93 | 1.0 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-10 | 09/17/2008 | 108.78 | 5.20 | -- | 103.58 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 09/18/2008 | 108.78 | -- | -- | -- | 0.24 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | -- | -- | -- | |
| MW-10 | 12/10/2008 | 108.78 | 6.83 | -- | 101.95 | 1.2 | <0.010 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0020 | <0.0030 | -- | -- | |
| MW-10 | 03/19/2009 | 108.78 | 8.04 | -- | 100.74 | 0.76 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | <0.0025 | -- | -- | |
| MW-10 | 06/09/2009 | 108.78 | 6.52 | -- | 102.26 | 0.69 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 09/23/2009 | 108.78 | 7.40 | -- | 101.38 | 1.4 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 12/09/2009 | 108.78 | 6.67 | -- | 102.11 | 1.3 | 0.012 | -- | 0.0012 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 03/22/2010 | 108.78 | 7.83 | -- | 100.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 03/25/2010 | 108.78 | -- | -- | -- | 1.5 | 0.011 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 05/06/2010 | 108.78 | 6.61 | -- | 102.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 05/10/2010 | 108.78 | 6.61 | -- | 102.17 | 0.86 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 10/05/2010 | 108.78 | 7.40 | -- | 101.38 | 2.2 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 12/21/2010 | 108.78 | 6.64 | -- | 102.14 | 1.3 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 03/09/2011 | 108.78 | 7.98 | -- | 100.80 | 0.83 | 0.024 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 06/13/2011 | 108.78 | 7.14 | -- | 101.64 | 1.2 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 09/15/2011 | 108.78 | 7.46 | -- | 101.32 | 1.6 | 0.013 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 12/8/2011 | 108.78 | 6.28 | -- | 102.50 | 0.55 [0.048] | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-10 | 03/21/2012 | 108.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 6/20/2012 | 108.78 | 6.00 | -- | 102.78 | 1.3 [0.058] | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-10 | 07/05/2012 | 108.78 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| MW-10 | 9/19/2012 | 108.78 | 5.11 | -- | 103.67 | 0.56 [<0.05] | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-10 | 11/6/2012 | 109.35 | 4.94 | -- | 104.41 | 1.0 [<0.049] | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-10 | 4/1/2013 | 109.35 | 7.43 | -- | 101.92 | 0.52 [<0.42] | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | TPH-d with silica gel cleanup |
| MW-10 | 05/02/2013 | 109.35 | 6.70 | -- | 102.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 05/03/2013 | 109.35 | -- | -- | -- | <0.50 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 05/03/2013 | 109.35 | -- | -- | -- | <0.52 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 9/18/2013 | 109.35 | 6.03 | -- | 103.32 | 0.76 [<0.48] | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 11/12/2013 | 109.35 | 6.41 | -- | 102.94 | 0.52 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 03/27/2014 | 109.35 | 7.14 | -- | 102.21 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 05/12/2014 | 109.35 | 6.82 | -- | 102.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MW-10 | 05/13/2014 | 109.35 | -- | -- | -- | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 05/13/2014 | 109.35 | -- | -- | -- | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 09/12/2014 | 109.35 | 6.68 | -- | 102.67 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 11/14/2014 | 109.35 | 7.35 | -- | 102.00 | 0.53 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 03/06/2015 | 109.35 | 5.35 | -- | 104.00 | <0.40 | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| MW-10 | 04/30/2015 | 109.35 | 7.44 | -- | 101.91 | 0.78 | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| MW-10 | 9/22/2015 | 109.35 | 6.80 | -- | #VALUE! | 0.54 [0.55] | <0.010 [<0.010] | -- | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | -- | |
| MW-10 | 11/9/2015 | 109.35 | 9.11 | -- | 100.24 | 0.75 [0.72] | <0.050 [<0.050] | -- | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | -- | |
| MW-10 | 3/9/2016 | 109.35 | 5.84 | -- | 103.51 | 0.42 [0.41] | 0.10 [0.018 J] | -- | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | -- | |
| MW-10 | 06/06/2016 | 109.35 | 6.69 | -- | 102.66 | 0.96 | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-10 | 09/21/2016 | 109.35 | 6.81 | -- | 102.54 | 1.3 | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|--------------------|--------------------|------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------|--------------------|--------------------|-----------------------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| MW-10 | 11/01/2016 | 109.35 | 7.25 | -- | 102.10 | 1.4 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| MW-10 | 04/13/2017 | 109.35 | 6.45 | -- | 102.90 | 0.11 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-10 | 06/01/2017 | 109.35 | 7.26 | -- | 102.09 | 0.61 [0.64] | <0.010 [<0.010] | -- | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | <0.00050 [<0.00050] | -- | -- | |
| MW-10 | 08/16/2017 | 109.35 | 7.09 | -- | 102.26 | 0.19 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-10 | 11/10/2017 | 109.35 | 6.86 | -- | 102.49 | 0.15 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-10 | 03/27/2018 | 109.35 | 7.88 | -- | 101.47 | 0.25 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-10 | 06/19/2018 | 109.35 | 5.70 | -- | 103.65 | 0.19 J | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| MW-10 | 08/08/2018 | 109.35 | 6.50 | -- | 102.85 | 0.27 | <0.014 | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | |
| MW-10 | 10/31/2018 | 109.35 | 6.91 | -- | 102.44 | 0.30 J | <0.014 | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | |
| MW-10 | 3/29/2019 | 109.17 | 6.58 | 0.00 | 102.59 | < 0.014[< 0.014] | < 0.25 B[< 0.25 B] | -- | < 0.0002[< 0.0002] | < 0.0002[< 0.0002] | < 0.0004[< 0.0004] | < 0.001[< 0.001] | < 0.0002[< 0.0002] | < 0.0002[< 0.0002] | < 0.0003[< 0.0003] | TPH-d reported to LOQ |
| MW-10 | 5/13/2019 | 109.17 | 6.58 | 0.00 | 102.59 | < 0.014 | < 0.26 B J | -- | < 0.0002 | < 0.0002 | < 0.0004 | < 0.001 | < 0.0002 | < 0.0002 | < 0.0003 | TPH-d reported to LOQ |
| MW-10 | 9/17/2019 | 109.17 | 7.19 | 0.00 | 101.98 | 0.42 | < 0.1 | -- | -- | < 0.00050 | < 0.00020 B | < 0.00065 B | < 0.00030 B | < 0.000020 | -- | |
| MW-10 | 11/04/2019 | 109.17 | 6.87 | 0.00 | 102.30 | 0.32 | < 0.1 | -- | <0.000090 | <0.00039 | <0.00050 | <0.00075 | <0.00044 | <0.000017 | -- | |
| SP-1 | 5/14/2019 | -- | -- | -- | -- | -- | < 0.014 | < 0.26 B J | < 0.0002 | < 0.0002 | < 0.0004 | < 0.001 | < 0.0002 | -- | -- | |
| SP-1 | 9/17/2019 | -- | -- | -- | -- | < 0.098 [< 0.091] | < 0.1 [< 0.1] | -- | < 0.000030 [< 0.000030] | < 0.000050 [< 0.000050] | < 0.00020 B [< 0.00020 B] | < 0.00050 B [< 0.00050 B] | -- [-] | -- [-] | -- | |
| SP-2 | 5/14/2019 | -- | -- | -- | -- | -- | 0.039 J | < 0.26 B J | 0.002 | < 0.001 B | 0.0004 J | 0.003 J | < 0.0002 | -- | -- | |
| SP-2 | 9/17/2019 | -- | -- | -- | -- | 0.66 | < 0.1 | -- | < 0.000030 | < 0.000050 | < 0.00020 B | < 0.00050 B | -- | -- | -- | |
| SP-3 | 5/14/2019 | -- | -- | -- | -- | -- | < 0.014 [< 0.014] | 0.51 J [< 0.26] | < 0.0002 [< 0.0002] | < 0.0002 [< 0.0002] | < 0.0004 [< 0.0004] | < 0.001 [< 0.001] | < 0.0002 [< 0.0002] | -- | -- | TPH-d reported to LOQ |
| SP-3 | 9/17/2019 | -- | -- | -- | -- | 0.69 | < 0.1 | -- | < 0.000030 | < 0.000050 | < 0.00020 B | < 0.00050 B | -- | -- | -- | |
| SP-4 | 5/14/2019 | -- | -- | -- | -- | -- | < 0.014 | < 0.26 B J | < 0.0002 | < 0.0002 | < 0.0004 | < 0.001 | < 0.0002 | -- | -- | |
| SP-4 | 9/17/2019 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| QA (EQB) | 11/4/2019 | -- | -- | -- | -- | <0.076 | <0.1 | -- | <0.00053 | <0.00039 | <0.00050 | <0.00075 | -- | -- | -- | |
| Trip Blank | 5/27/2004 | -- | -- | 0.00 | -- | -- | -- | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | |
| Trip Blank | 6/10/2004 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| Trip Blank | 6/10/2004 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| Trip Blank | 6/10/2004 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| Trip Blank | 9/22/2004 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| Trip Blank | 9/22/2004 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0020 | -- | -- | |
| Trip Blank | 5/9/2005 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 5/11/2005 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | -- | -- | -- | |
| Trip Blank | 5/18/2005 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00020 | <0.00020 | <0.00060 | -- | -- | |
| Trip Blank | 6/16/2005 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 9/28/2005 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00020 | <0.00020 | <0.00060 | -- | -- | |
| Trip Blank | 5/17/2006 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00020 | <0.00020 | <0.00060 | -- | -- | |
| Trip Blank | 7/24/2006 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | -- | -- | |
| Trip Blank | 9/23/2006 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00020 | <0.00020 | <0.00060 | -- | -- | |
| Trip Blank | 5/16/2007 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.0010 | <0.0010 | -- | -- | -- | |
| Trip Blank | 9/27/2007 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.0010 | <0.0010 | <0.0020 | -- | -- | |
| Trip Blank | 5/17/2008 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | -- | -- | -- | -- | -- | |
| Trip Blank | 6/4/2008 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.0010 | <0.0010 | -- | -- | -- | |
| Trip Blank | 9/11/2008 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.0010 | <0.0010 | <0.0020 | -- | -- | |
| Trip Blank | 9/13/2008 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.0010 | <0.0010 | -- | -- | -- | |
| Trip Blank | 9/14/2008 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.0010 | <0.0010 | -- | -- | -- | |
| Trip Blank | 5/29/2009 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 9/17/2009 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 9/18/2009 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 5/11/2010 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 9/7/2010 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |
| Trip Blank | 4/20/2011 | -- | -- | 0.00 | -- | -- | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.0015 | -- | -- | |

**Table 2. Historical Groundwater Gauging and Analytical Results
Third Quarter 1998 to Current**
Chevron-Branded Service Station 95414
5210 Old Seward Highway
Anchorage, Alaska

| Well ID | Sample Date | TOC (ft amsl) | DTW (ft bTOC) | LNAPL thickness (ft) | GW Elev (ft) | TPH-d (mg/L) | TPH-g (mg/L) | TPH-r (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/L) | Total Xylenes (mg/L) | MTBE (mg/L) | EDB (mg/L) | EDC (mg/L) | Comments |
|--|-------------|---------------|---------------|----------------------|--------------|--------------|--------------|--------------|----------------|-------------------|----------------------|----------------------|-------------|----------------|--------------|----------|
| ADEC Groundwater Cleanup Levels | | | | | | 1.5 | 2.2 | 1.1 | 0.0046 | 1.1 | 0.015 | 0.19 | 0.14 | 0.00005 | 0.005 | |
| Trip Blank | 7/7/2011 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| Trip Blank | 9/28/2011 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| Trip Blank | 9/28/2011 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| Trip Blank | 5/21/2012 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| Trip Blank | 9/18/2012 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.0015 | -- | -- | -- | |
| Trip Blank | 5/6/2013 | -- | -- | 0.00 | -- | -- | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| Trip Blank | 9/16/2013 | -- | -- | 0.00 | -- | -- | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| Trip Blank | 5/5/2014 | -- | -- | 0.00 | -- | -- | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| Trip Blank | 9/2/2014 | -- | -- | 0.00 | -- | -- | <0.10 | -- | <0.0010 | <0.0010 | <0.0010 | <0.0030 | -- | -- | -- | |
| Trip Blank | 4/16/2015 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| Trip Blank | 9/22/2015 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| Trip Blank | 11/9/2015 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.00050 | <0.00050 | <0.00050 | <0.00050 | -- | -- | -- | |
| Trip Blank | 3/9/2016 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| Trip Blank | 6/6/2016 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| Trip Blank | 9/21/2016 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | -- | |
| Trip Blank | 4/13/2017 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| Trip Blank | 6/1/2017 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| Trip Blank | 8/16/2017 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| Trip Blank | 11/10/2017 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | 0.0005 J | <0.0005 | <0.0005 | -- | -- | -- | |
| Trip Blank | 3/27/2018 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| Trip Blank | 6/19/2018 | -- | -- | 0.00 | -- | -- | <0.010 | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- | -- | |
| Trip Blank | 8/9/2018 | -- | -- | 0.00 | -- | -- | <0.014 | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | |
| Trip Blank | 10/31/2018 | -- | -- | 0.00 | -- | -- | <0.014 | -- | <0.0002 | <0.0002 | <0.0002 | <0.0005 | <0.0002 | -- | -- | |
| QA (TB) | 9/17/2019 | -- | -- | -- | -- | -- | < 0.1 | -- | -- | 0.000056 J | 0.000059 J | <0.0003 J | < 0.000070 | -- | -- | |
| QA (TB) | 11/04/2019 | -- | -- | -- | -- | -- | <0.1 | -- | <0.000090 | <0.00039 | <0.00050 | <0.00075 | <0.00044 | <0.000017 | -- | |

Notes:

MW = Groundwater monitoring well
TOC = Top of casing
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
ft = Feet
GW Elev = Groundwater elevation
mg/L = Milligrams per liter

Bold and Shaded = Value exceeds ADEC Groundwater Cleanup Level

Bold = Value exceeds MDL

<14 = Not detected at or above the Method Detection Limit (MDL)

NAVD 88 = North American Vertical Datum of 1988

ADEC = Alaska Department of Environmental Conservation

-- = Not analyzed/ Not measured/ Not Available

[] = Duplicate Result

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

B = Compound considered non-detect at the listed value due to associated blank contamination

D = Results are reported from a diluted sample

QA (TB) = Quality Assurance (Trip Blank)

QA (EB) = Quality Assurance (Equipment Blank)

LNAPL = Light Non-Aqueous Phase Liquid

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to United States Environmental Protection Agency (USEPA) Method AK101

TPH-d = Total petroleum hydrocarbons, diesel range by LUFT GC/MS according to USEPA Method AK 102-SV/103mod-SV

TPH-r = Total petroleum hydrocarbons, residual range organics LUFT GC/MS according to USEPA Method AK 102-SV/103mod-SV

Samples analysed by USEPA Method 8260C:

Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX)

MTBE = Methyl tert-butyl ether

TBA = Tert-butanol or tertiary butyl alcohol

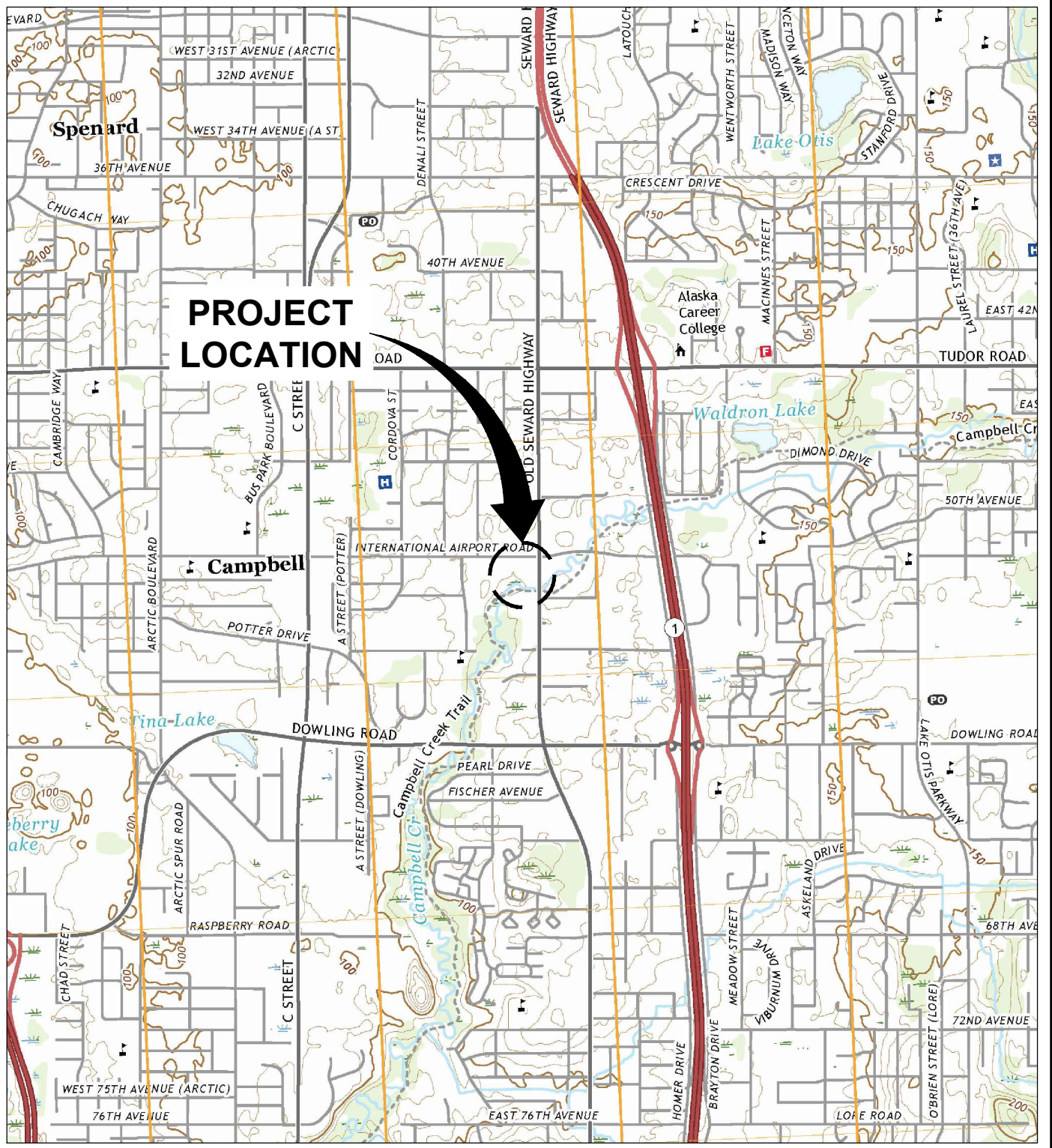
EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

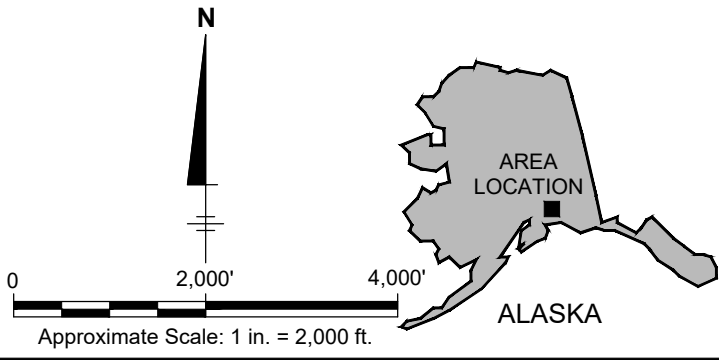
FIGURES



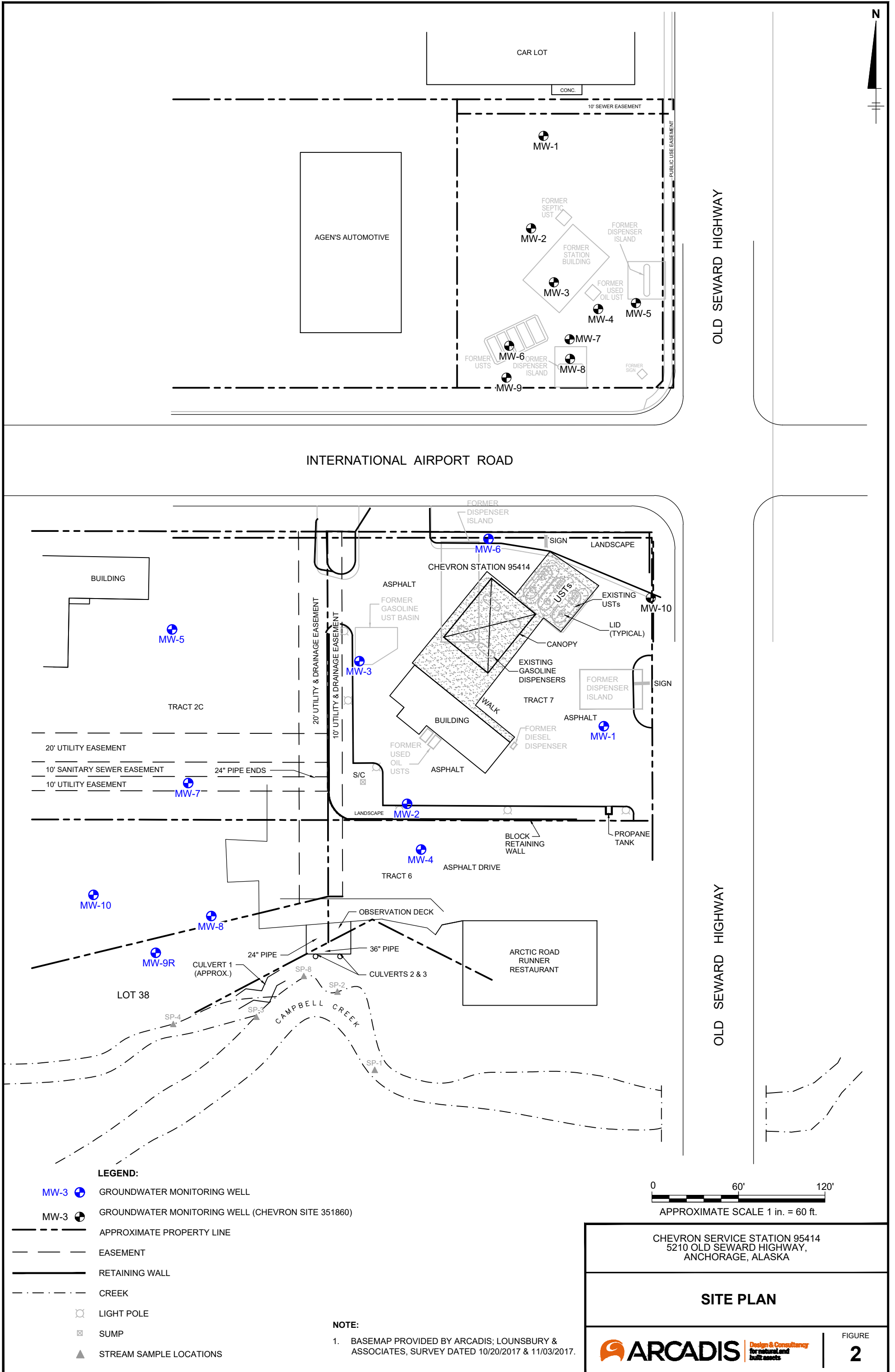
CITY:(Read) DIV:GROUP:(Read) DB:(Read) LD:(Opt) PIC:(Opt) PM:(Read) TM:(Opt) LVR:(Opt)ON="OFF"=REF" C:\Users\mb9861\1\360Ar\cas\ANA - CHEVRON CORPORATION\Project Files\ASR 95414 ALASKA\2019\GWR\AK0001541401-DWG\95414-FIG-1-SITE LOC.dwg LAYOUT: 1 SAVED: 11/22/2019 3:35 PM ACADVER: 23.08 (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 11/22/2019 3:56 PM BY: N. BALA

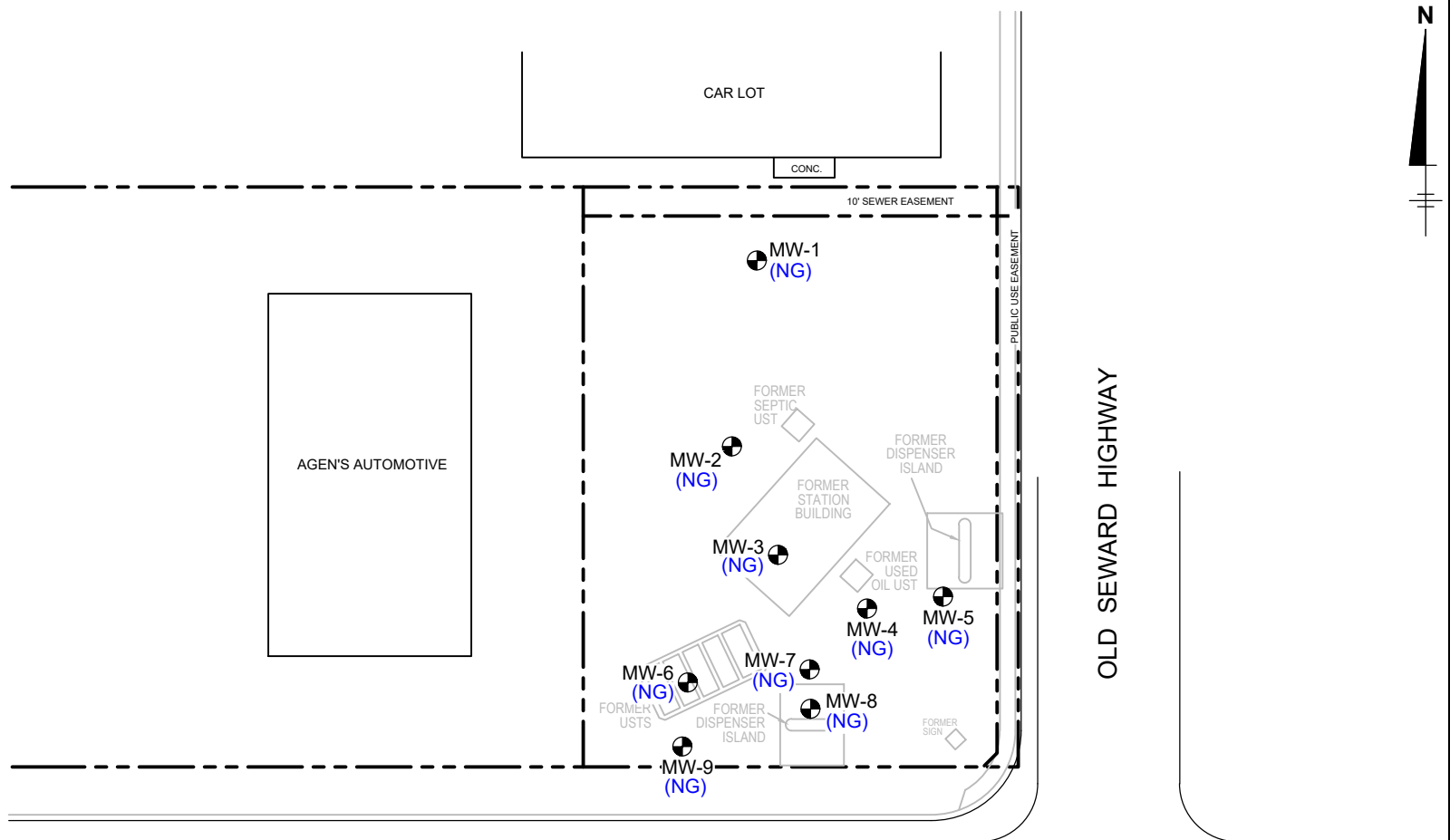


SOURCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., ANCHORAGE A-8 NW, ALASKA, 2019.

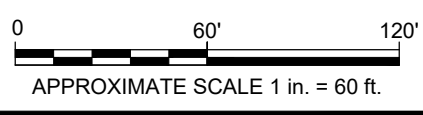
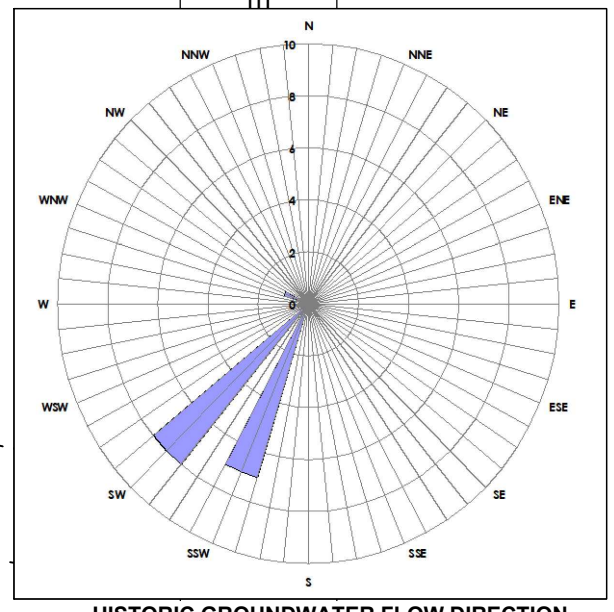
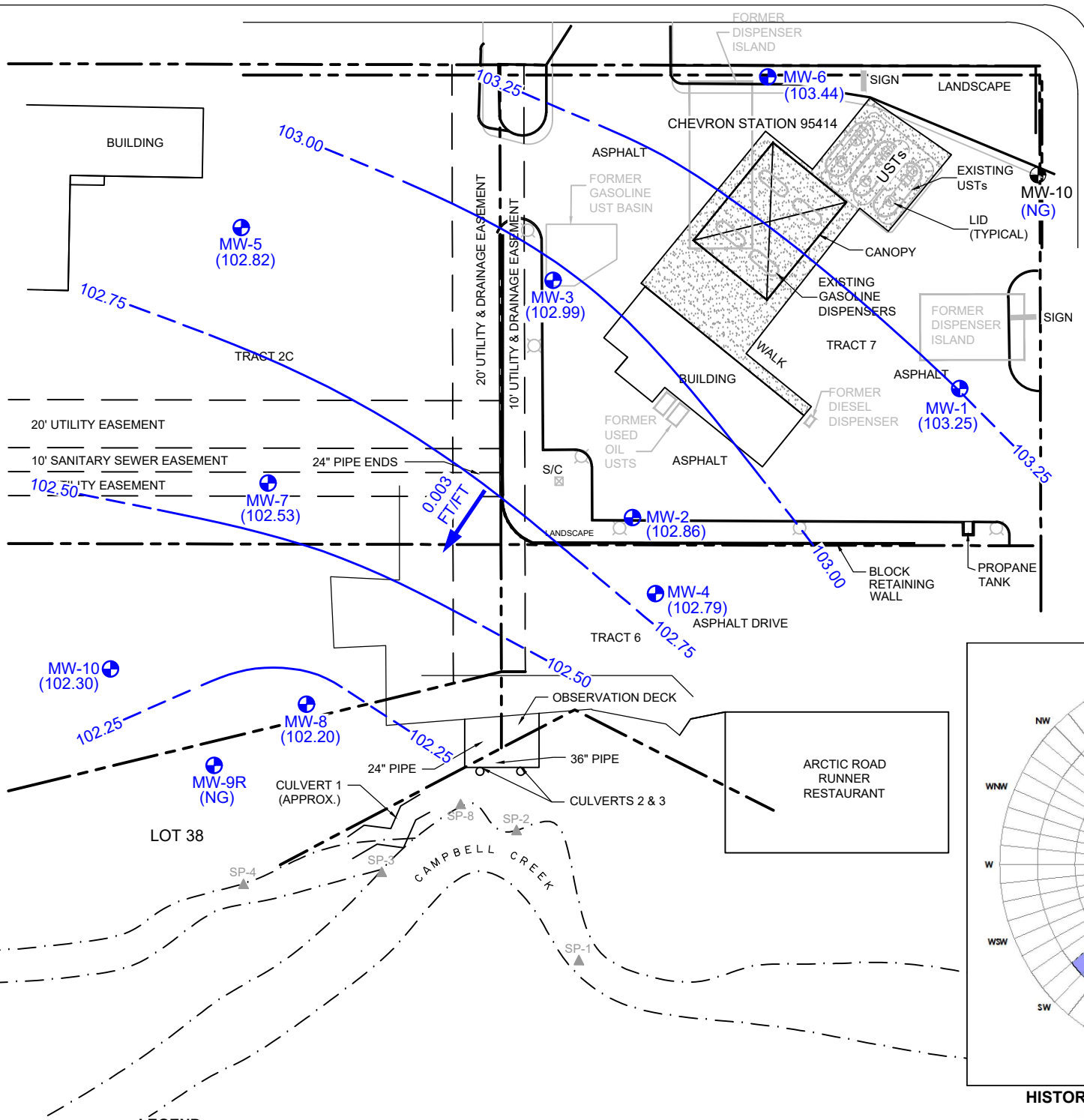


| | |
|--|---------------------------|
| CHEVRON SERVICE STATION 95414 5210 OLD SEWARD HIGHWAY, ANCHORAGE, ALASKA | |
| SITE LOCATION MAP | |
|  | FIGURE 1 |





INTERNATIONAL AIRPORT ROAD



- LEGEND:**
- APPROXIMATE PROPERTY LINE
 - MW-3 (103.44) GROUNDWATER MONITORING WELL (CHEVRON SITE 351860)
 - (103.44) GROUNDWATER ELEVATION (FEET)
 - GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
 - ← APPROXIMATE GROUNDWATER FLOW DIRECTION
 - 0.003 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
 - (NG) NOT GAUGED
 - ▲ STREAM SAMPLE LOCATIONS
 - * GROUNDWATER ELEVATION NOT USED FOR CONTOURING

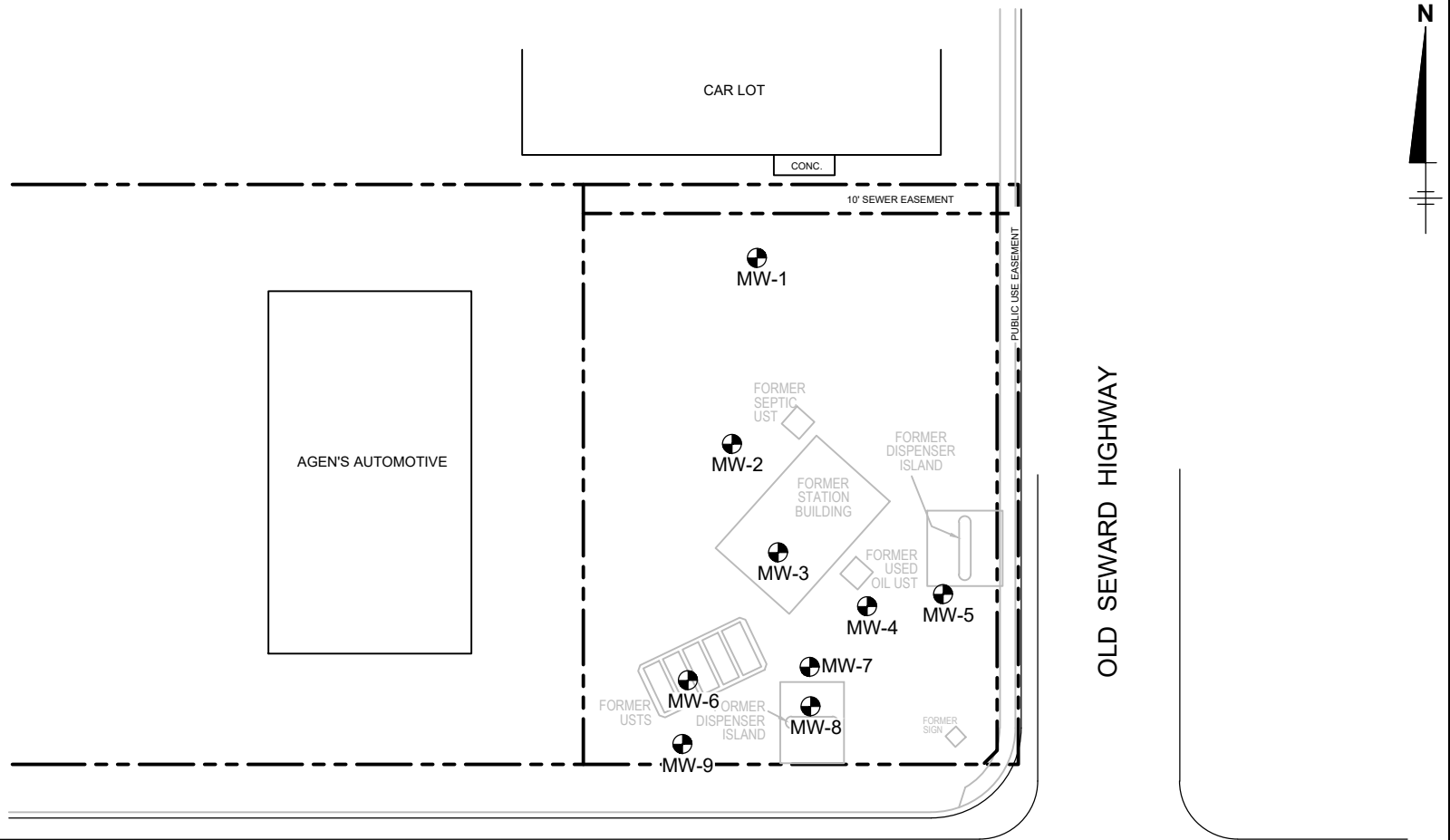
NOTE:
 1. BASEMAP PROVIDED BY ARCADIS; LOUNSBURY & ASSOCIATES, SURVEY DATED 10/20/2017 & 11/03/2017.

CHEVRON SERVICE STATION 95414
 5210 OLD SEWARD HIGHWAY,
 ANCHORAGE, ALASKA

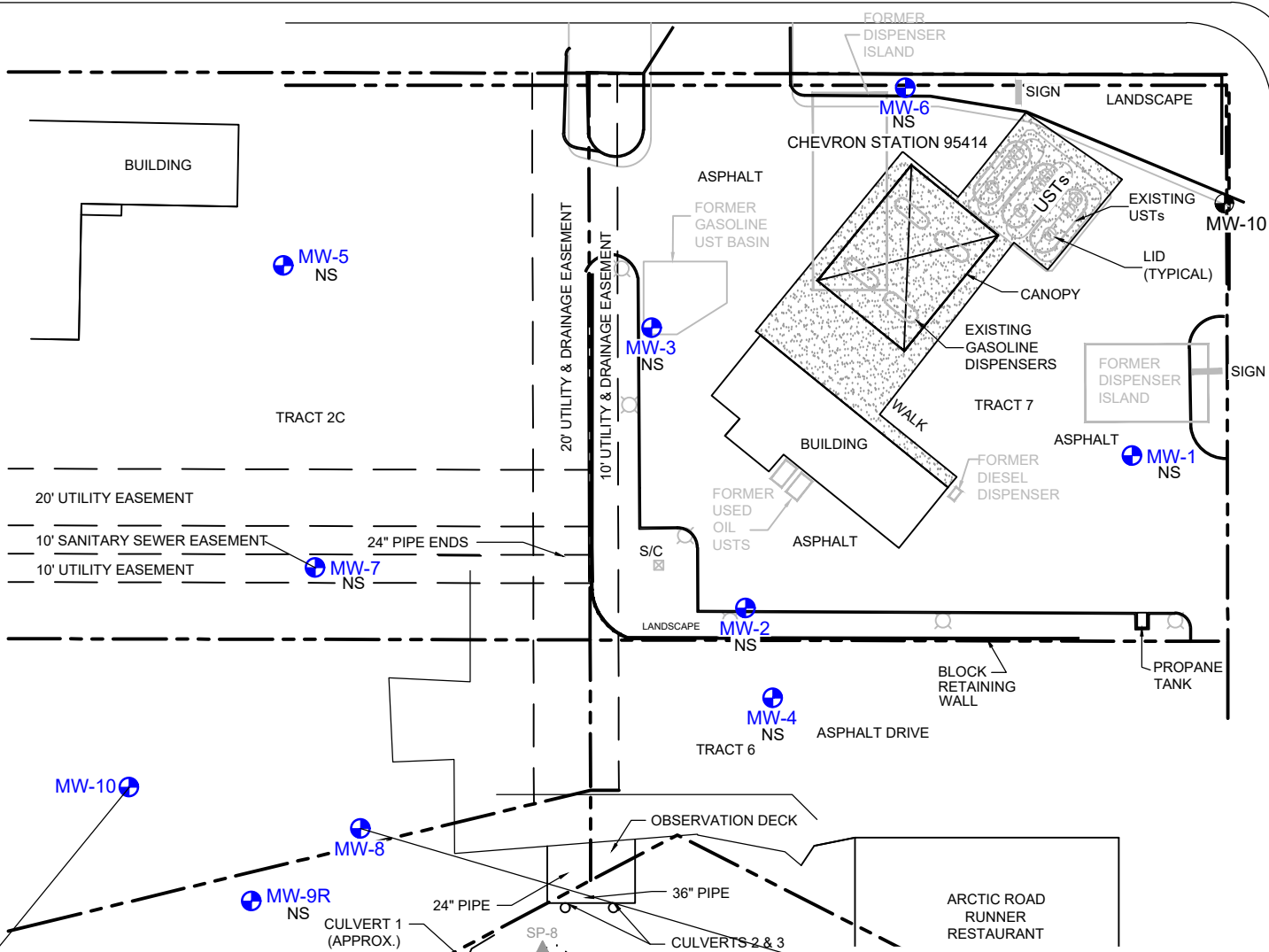
**GROUNDWATER ELEVATION
 CONTOUR MAP
 NOVEMBER 4, 2019**

ARCADIS Design & Consultancy
 for natural and built assets

FIGURE
3



INTERNATIONAL AIRPORT ROAD



| MW-10 | |
|---------------|-------------|
| Date | 11/04/2019 |
| TPH-g | <0.1 |
| TPH-d | 0.32 |
| Benzene | <0.000090 |
| Toluene | <0.00039 |
| Ethyl-benzene | <0.00050 |
| Total Xylenes | <0.00114 |
| MTBE | <0.00044 |

| MW-8 | |
|---------------|------------------------|
| Date | 11/04/2019 |
| TPH-g | 1.2 [1.2] |
| TPH-d | 0.51 [0.64] |
| Benzene | 0.047 [0.047] |
| Toluene | 0.0034 [0.0032] |
| Ethyl-benzene | 0.03 [0.03] |
| Total Xylenes | 0.0706 [0.0696] |
| MTBE | -- [-] |

LEGEND:

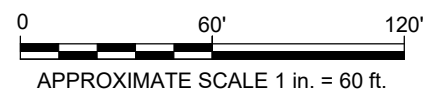
- APPROXIMATE PROPERTY LINE
- MW-3 (blue circle with cross) GROUNDWATER MONITORING WELL
- MW-3 (black circle with cross) GROUNDWATER MONITORING WELL (CHEVRON SITE 351860)
- ▲ STREAM SAMPLE LOCATIONS
- TPH-g TOTAL PETROLEUM HYDROCARBONS, GASOLINE RANGE ORGANICS
- TPH-d TOTAL PETROLEUM HYDROCARBONS, DIESEL RANGE ORGANICS
- MTBE METHYL TERT-BUTYL ETHER
- BOLD** VALUE EXCEEDS THE METHOD DETECTION LIMIT (MDL)
- BOLD** VALUE EXCEEDS ADEC GROUNDWATER CLEANUP LEVEL
- <0.0002 NOT DETECTED AT OR ABOVE THE MDL
- NS NOT SAMPLED
- 1.2 [1.2] RESULT [DUPLICATE RESULT]

- B COMPOUND IS CONSIDERED NON-DETECT AT THE LISTED VALUE DUE TO ASSOCIATED BLANK CONTAMINATION
- J THE COMPOUND WAS POSITIVELY IDENTIFIED; HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY
- D THE RESULT REPORTED FROM DILUTED ANALYSIS
- ADEC ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

| WELL ID | MW-8 | |
|-------------------------|------------------------|--|
| Date | 11/04/2019 | |
| TPH-g | 1.2 [1.2] | |
| TPH-d | 0.51 [0.64] | |
| Benzene | 0.047 [0.047] | |
| Toluene | 0.0034 [0.0032] | |
| Ethyl-benzene | 0.03 [0.03] | |
| Total Xylenes | 0.0706 [0.0696] | |
| MTBE | -- [-] | |
| CONCENTRATION IN (mg/L) | | |
| ANALYTE | | |

NOTE:

1. BASEMAP PROVIDED BY ARCADIS; LOUNSBURY & ASSOCIATES, SURVEY DATED 10/20/2017 & 11/03/2017.



CHEVRON SERVICE STATION 95414
 5210 OLD SEWARD HIGHWAY,
 ANCHORAGE, ALASKA

**GROUNDWATER ANALYTICAL
 RESULT MAP
 NOVEMBER 4, 2019**

ARCADIS Design & Consultancy
 for natural and built assets

FIGURE **4**

APPENDIX A

Site Background and History



Appendix A: 95414 Site Description and Background

1 95414 SITE BACKGROUND AND HISTORY

1.1 Site Description and Vicinity

Chevron facility 95414 is located at 5210 Old Seward Highway in Anchorage, Alaska. The site is an active Chevron-branded service station with three underground storage tanks (UST), and four fuel dispensers. The surrounding properties are mixed commercial and industrial; the site is bordered to the north and northwest by properties currently or formerly listed as ADEC contaminated sites.

1.2 Site History

The site has operated as a service station since 1969 and was remodeled in 1996, at which time three gasoline USTs, one diesel UST, one used-oil UST, fuel dispenser islands, and product piping were removed and replaced. During the 1996 remodel, petroleum hydrocarbons were detected in soil.

2 SITE CHARACTERIZATION

There are currently four groundwater monitoring wells located onsite (MW-1, MW-2, MW-3, and MW-6) and six groundwater monitoring wells located offsite (MW-4, MW-5, MW-7, MW-8, MW-9R, MW-10 and MW-11).

3 CURRENT SITE MONITORING ACTIVITIES

The site currently has a network of 10 groundwater monitoring wells located onsite (MW-1, MW-2, MW-3, and MW-6) and offsite (MW-4, MW-5, MW-7, MW-8, MW-9R, MW-10 and MW-11). Monitoring wells MW-8, MW-9, and MW-10 are monitored and sampled quarterly; monitoring wells MW-1 through MW-7 are monitored and sampled semiannually. Additionally, the site is directly north of Campbell Creek, and surface water samples are taken during the second and third quarters when the creek is accessible.

In recent historic sampling, concentrations of benzene, ethylbenzene, total xylenes, gasoline range organics (GRO), and diesel range organics (DRO) have exceeded their respective ADEC Method 2 groundwater cleanup levels in several monitoring wells.

4 GEOLOGY AND HYDROGEOLOGY

4.1 Site Hydrogeology

The site is in south central Alaska, south of the Knik Arm and north of the Turnagain Arm of Cook Inlet, and immediately north of Campbell Creek. Static groundwater depths from 1998 to the present have ranged between 2.74 and 9.53 feet below top of casing (ft btoc). Historic groundwater flow is to the southwest.

5 REFERENCES

GHD Inc. 2018. Second Semiannual 2018 Groundwater Monitoring Report: Chevron-Branded Service Station 95414, 5210 Old Seward Highway, Anchorage, AK. August 9

APPENDIX B

Field Data Sheets



Daily Log

Project Name 95414 Project Number 95414 Page 1 of 1

Site Location S210 Old Seward Hwy Anchorage AK Date 11/4/19

Field Personnel D. Braudain, E. Wojcik

Q4 Sampling Event

| Time | Description of Activities | | | | |
|------|---|-----|-------|-------|---------------------|
| 1000 | Arrive on site, perform H+S tailgate meeting, notify PM | | | | |
| 1015 | gauge wells | | | | |
| | Well ID | PID | DTW | TD | notes |
| | MW-8 | 0.0 | 6.50' | 12.25 | |
| | MW-10 | 0.0 | 6.87' | 11.90 | |
| | MW-5 | 0.0 | 5.94' | 15.80 | |
| | MW-7 | 0.0 | 4.82' | 11.7 | |
| | MW-1 | 0.5 | 7.38' | 13.70 | |
| | MW-2 | 0.0 | 8.23 | 16.25 | |
| | MW-3 | 0.0 | 8.45' | 15.20 | |
| | MW-4 | 0.0 | 6.09' | 17.93 | |
| | MW-6 | 0.0 | 7.72' | 16.50 | |
| | MW-9R | NM | NM | NM | no Access agreement |
| | not measured | | | | |
| | BP-1-W-171104 collected at MW-8 | | | | |
| 1430 | Depart site | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

GROUNDWATER SAMPLING FORM



Page 1 of 1

Project No. 95414 Well ID MW-10 Date 11/4/19
 Project Name/Location 5210 Old Seward Hwy Anchorage AK Weather 35°F
 Measuring Pt. Description TOC Screen Setting (ft-bmp) — Casing Diameter (in.) 2 Well Material X PVC
 Static Water Level (ft-bmp) 6.87 Total Depth (ft-bmp) 11.90 Water Column (ft) 5.03 Gallons in Well 0.805
 MP Elevation — Pump Intake (ft-bmp) ~2 Purge Method: Low Flow Sample Method Low Flow
 Pump On/Off 1345/1410 Volumes Purged — Centrifugal — Submersible — Other Bladder
 Sample Time: Label 1400 Purge Start 1348 Purge End 1357 ml Purged 2400 Replicate/Code No. — Sampled by EW

| Time | Minutes Elapsed | Rate (gpm/L/min) 240ml/min ± | Depth to Water (ft) -0.3 | Gallons Purged | pH ±0.1 | Cond. (µmhos/cm/cm) ±2% | Turbidity (NTU) ±10% | DO (mg/L) ±10% | Temp. (C/F) ±0.5% | Redox (mV) ±10mV | Appearance | | |
|--------------------------------|-----------------|---------------------------------|-----------------------------|----------------|------------|----------------------------|-------------------------|-------------------|----------------------|---------------------|------------|------|--|
| | | | | | | | | | | | Color | Odor | |
| 1348 | 3 | 200 | 6.87 | 600 | 6.43 | 0.270 | 233 | 0.15 | 7.09 | -28 | | | |
| 1351 | 6 | 200 | 6.87 | 1200 | 6.39 | 0.260 | 126 | 0 | 7.03 | -24 | | | |
| 1354 | 9 | 200 | 6.87 | 1800 | 6.36 | 0.256 | 104 | 0 | 7.00 | -17 | | | |
| 1357 | 12 | 200 | 6.87 | 2400 | 6.34 | 0.255 | 81.9 | 0 | 6.94 | -14 | | | |
| Stabilization Calculations (±) | | | | | | | | | | | | | |
| Stabilization Criteria | | | | | | | | | | | | | |

(3) Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when < 50 NTU

| Constituents Sampled | Container | Number | Preservative |
|----------------------|--------------|--------|--------------------|
| BTEX 8260 | 40 mL VOA | 3 | HCl |
| GRO AK 101 | 40 mL VOA | 3 | HCl |
| DRO AK 102 | 250 mL Amber | 2 | HCl |
| VOC 8260 | 40 mL VOA | 3 | HCl |
| EDB 123 TCP 8011 | 40 mL VOA | 2 | sodium thiosulfate |

Comments _____

Well Casing Volumes

| | | | | | |
|--------------|--------------|-------------|-------------|-------------|-----------|
| Gallons/Foot | 1" = 0.04 | 1.5" = 0.09 | 2.5" = 0.26 | 3.5" = 0.60 | 6" = 1.47 |
| | 1.25" = 0.05 | 2" = 0.16 | 3" = 0.37 | 4" = 0.65 | |

Well Information

Well Location: see site map Well Locked at Arrival: Yes / No

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

Well Completion: Flush Mount / Stick Up Key Number To Well: 3910

GROUNDWATER SAMPLING FORM



Project No. 95414 Well ID MW-8 Page 1 of 1
 Date 11/14/19
 Project Name/Location 5210 Old Seward Hwy Anchorage AK Weather 35°F
 Measuring Pt. Description TOC Screen Setting (ft-bmp) — Casing Diameter (in.) 2 Well Material X PVC SS
 Static Water Level (ft-bmp) 6.50 Total Depth (ft-bmp) 12.25 Water Column (ft) 5.75 Gallons in Well 0.92
 MP Elevation — Pump Intake (ft-bmp) ~2 Purge Method: Low Flow Sample Method Low Flow
 Pump On/Off 1148 / 1210 Volumes Purged — Centrifugal — Submersible — Other Bladder
 Sample Time: Label 1200 Purge Start 1148 Purge End 1157 ml Gallons Purged 2400 Replicate/Code No. SD-1-W-191104 Sampled by EW

| Time | Minutes Elapsed | Rate (gpm) / (L/min) ± 20% | Depth to Water (ft) ± 0.3 | Gallons Purged | pH ± 0.1 | Cond. (µmhos/cm) ± 2% | Turbidity (NTU) ± 5% | DO (mg/L) ± 10% | Temp. (°C/°F) ± 0.2 | Redox (mV) ± 10mV | Appearance Color | Appearance Odor |
|--------------------------------|-----------------|----------------------------|---------------------------|----------------|----------|-----------------------|----------------------|-----------------|---------------------|-------------------|------------------|-----------------|
| 1148 | 3 | 200 | 6.50 | 600 | 6.53 | 0.747 | 103 | 2.57 | 8.12 | -57 | | |
| 1151 | 6 | 200 | 6.50 | 1200 | 6.53 | 0.939 | 93.6 | 4.71 | 8.07 | -57 | | |
| 1154 | 9 | 200 | 6.50 | 1800 | 6.47 | 0.934 | 61.3 | 2.30 | 8.02 | -60 | | |
| 1157 | 12 | 200 | 6.50 | 2400 | 6.43 | 0.930 | 50.1 | 2.49 | 8.00 | -62 | | |
| Stabilization Calculations (±) | | | | | | | | | | | | |
| Stabilization Criteria | | | | | | | | | | | | |

| Constituents Sampled | Container | Number | Preservative |
|----------------------|--------------|--------|--------------|
| BTEX 8260 | 40 mL VOA | 3 | HCl |
| GR0 AK 101 | 40 mL VOA | 3 | HCl |
| DR0 AK 102 | 250 mL Amber | 2 | HCl |

Comments

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

Well Information
 Well Location: see site map Well Locked at Arrival: Yes / No
 Condition of Well: good Well Locked at Departure: Yes / No
 Well Completion: Flush Mount / Stick Up Key Number To Well: 3910

Regulatory Program: DW NPDES RCRA Other: David Hamilton

Client Contact
 Company Name: Alcedis
 Address: 111 SW Columbia St Suite 670
 City/State/Zip: Portland OR 97201
 Phone: 503-270-6201
 Fax: _____
 Project Name: Clyton 95411
 Site: 5210 Old Seward Hwy Anchorage AK
 P O #: 30016531

Project Manager: Nick Mober
 Tel/Fax: 503-285-9414
 Analysis Turnaround Time: CALENDAR DAYS WORKING DAYS
 TAT if different from Below: Handwritten
 2 weeks 1 week 2 days 1 day

Site Contact: David Hamilton Date: 11/4/19
Lab Contact: _____
 Filtered Sample (Y/N) _____
 Perform MS / MSD (Y/N) _____

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Sample Specific Notes: |
|-----------------------|----------------|-------------|------------------------------|----------|------------|------------------------|
| <u>EAG-1-W-191104</u> | <u>11.4.19</u> | <u>0830</u> | <u>G</u> | <u>W</u> | <u>6</u> | <u>CR0 AK 101</u> |
| <u>MW-8-W-191104</u> | <u>11.4.19</u> | <u>1200</u> | <u>G</u> | <u>W</u> | <u>6</u> | <u>CR0 AK 101</u> |
| <u>MW-10-W-191104</u> | <u>11.4.19</u> | <u>1400</u> | <u>G</u> | <u>W</u> | <u>139</u> | <u>CR0 AK 101</u> |
| <u>BP-1-W-191104</u> | <u>11.4.19</u> | <u>---</u> | <u>G</u> | <u>W</u> | <u>6</u> | <u>CR0 AK 101</u> |
| <u>Trip Blank</u> | <u>---</u> | <u>---</u> | <u>---</u> | <u>W</u> | <u>11</u> | <u>CR0 AK 101</u> |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other
Possible Hazard Identification: Please List any EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Type III Date Package
 Custody Seal No.: _____
 Relinquished by: [Signature] Yes No
 Relinquished by: [Signature] Date/Time: 11/4/19 1625
 Relinquished by: [Signature] Date/Time: 11/4/19 1625
 Relinquished by: [Signature] Date/Time: 11/4/19 1625

APPENDIX C

Laboratory Analytical Reports and Chain of Custody Documentation



ANALYTICAL REPORT

Job Number: 580-90546-1

Job Description: Chevron Site 95414 Anchorage, Alaska

For:
ARCADIS U.S. Inc
111 SW Columbia Street
Suite 670
Portland, OR 97201
Attention: Daniel Morel



Approved for release.
Elaine M Walker
Project Manager II
11/18/2019 5:18 PM

Elaine M Walker, Project Manager II
5755 8th Street East, Tacoma, WA, 98424
(253)248-4972
elaine.walker@testamericainc.com
11/18/2019

Eurofins TestAmerica Seattle is a part of Eurofins TestAmerica Laboratories, Inc.

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Seattle

5755 8th Street East, Tacoma, WA 98424

Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com

Table of Contents

| | |
|--------------------------------------|----|
| Cover Title Page | 1 |
| Data Summaries | 5 |
| Definitions | 5 |
| Case Narrative | 6 |
| Detection Summary | 8 |
| Client Sample Results | 9 |
| Default Detection Limits | 16 |
| Surrogate Summary | 18 |
| QC Sample Results | 20 |
| QC Association | 30 |
| Chronicle | 32 |
| Certification Summary | 34 |
| Method Summary | 35 |
| Sample Summary | 36 |
| Manual Integration Summary | 37 |
| Reagent Traceability | 55 |
| Organic Sample Data | 70 |
| GC/MS VOA | 70 |
| 8260C_SIM_AK | 70 |
| 8260C_SIM_AK QC Summary | 71 |
| 8260C_SIM_AK Sample Data | 78 |
| Standards Data | 80 |
| 8260C_SIM_AK CCAL Data | 80 |
| Raw QC Data | 83 |
| 8260C_SIM_AK Blank Data | 83 |
| 8260C_SIM_AK LCS/LCSD Data | 84 |

Table of Contents

| | |
|----------------------------------|-----|
| 8260C_SIM_AK Run Logs | 86 |
| 8260C_SIM_AK Prep Data | 88 |
| Method 8260C | 90 |
| Method 8260C QC Summary | 91 |
| Method 8260C Sample Data | 102 |
| Standards Data | 109 |
| Method 8260C ICAL Data | 109 |
| Method 8260C CCAL Data | 127 |
| Raw QC Data | 136 |
| Method 8260C Blank Data | 136 |
| Method 8260C LCS/LCSD Data | 138 |
| Method 8260C Run Logs | 142 |
| Method 8260C Prep Data | 144 |
| GC VOA | 146 |
| Method AK101 | 146 |
| Method AK101 QC Summary | 147 |
| Method AK101 Sample Data | 161 |
| Standards Data | 166 |
| Method AK101 ICAL Data | 166 |
| Method AK101 CCAL Data | 169 |
| Raw QC Data | 185 |
| Method AK101 Blank Data | 185 |
| Method AK101 LCS/LCSD Data | 188 |
| Method AK101 Run Logs | 194 |
| Method AK101 Prep Data | 198 |
| GC Semi VOA | 204 |

Table of Contents

| | |
|--|-----|
| Method 8011 | 204 |
| Method 8011 QC Summary | 205 |
| Method 8011 Sample Data | 213 |
| Standards Data | 215 |
| Method 8011 ICAL Data | 215 |
| Method 8011 CCAL Data | 221 |
| Raw QC Data | 233 |
| Method 8011 Blank Data | 233 |
| Method 8011 LCS/LCSD Data | 234 |
| Method 8011 Run Logs | 237 |
| Method 8011 Prep Data | 239 |
| Method AK102 and 103 | 241 |
| Method AK102 and 103 QC Summary | 242 |
| Method AK102 and 103 Sample Data | 248 |
| Standards Data | 252 |
| Method AK102 and 103 ICAL Data | 252 |
| Method AK102 and 103 CCAL Data | 256 |
| Raw QC Data | 263 |
| Method AK102 and 103 Blank Data | 263 |
| Method AK102 and 103 LCS/LCSD Data | 264 |
| Method AK102 and 103 Run Logs | 266 |
| Method AK102 and 103 Prep Data | 268 |
| Shipping and Receiving Documents | 270 |
| Client Chain of Custody | 271 |
| Sample Receipt Checklist | 274 |

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X | Surrogate is outside control limits |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ▫ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

CASE NARRATIVE
Client: ARCADIS U.S. Inc
Project: Chevron Site 95414 Anchorage, Alaska
Report Number: 580-90546-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Five samples were received on 11/4/2019 4:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.3° C.

Receipt Exceptions

Insufficient sample volume was provided for the MS/MSD for sample MW-8-W-191104 (580-90546-2).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples EQB-1-W-191104 (580-90546-1), MW-8-W-191104 (580-90546-2), MW-10-W-191104 (580-90546-3), BD-1-W-191104 (580-90546-4) and Trip Blank-W-191104 (580-90546-5) were analyzed for volatile organic compounds (GC-MS) in accordance with 8260C. The samples were analyzed on 11/07/2019.

The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-316242 was outside criteria for the following analyte(s): Chloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) associated with batch 580-316242 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GC-MS SIM)

Samples MW-10-W-191104 (580-90546-3) and Trip Blank-W-191104 (580-90546-5) were analyzed for volatile organic compounds (GC-MS SIM) in accordance with 8260C SIM. The samples were analyzed on 11/12/2019.

Hexachlorobutadiene and Naphthalene were detected in method blank MB 580-316581/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Surrogate, Trifluorotoluene (Surr), recovery for the following samples were outside the upper control limit: MW-10-W-191104 (580-90546-3) and Trip Blank-W-191104 (580-90546-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 580-316581 recovered outside acceptance criteria, low biased, for Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS

Samples EQB-1-W-191104 (580-90546-1), MW-8-W-191104 (580-90546-2), MW-10-W-191104 (580-90546-3), BD-1-W-191104 (580-90546-4) and Trip Blank-W-191104 (580-90546-5) were analyzed for gasoline range organics in accordance with State of Alaska Method AK101. The samples were analyzed on 11/07/2019, 11/08/2019 and 11/11/2019.

The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: Trip Blank-W-191104 (580-90546-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY

Samples MW-10-W-191104 (580-90546-3) and Trip Blank-W-191104 (580-90546-5) were analyzed for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography in accordance with EPA SW-846 Method 8011. The samples were prepared on 11/13/2019 and analyzed on 11/15/2019.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL AND RESIDUAL RANGE ORGANICS

Samples EQB-1-W-191104 (580-90546-1), MW-8-W-191104 (580-90546-2), MW-10-W-191104 (580-90546-3) and BD-1-W-191104 (580-90546-4) were analyzed for diesel and residual range organics in accordance with State of Alaska Method AK102 and AK103. The samples were prepared and analyzed on 11/14/2019.

The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-8-W-191104 (580-90546-2) and BD-1-W-191104 (580-90546-4).

The diesel range organics (DRO) concentration reported for the following sample is due to the presence of discrete peaks: EQB-1-W-191104 (580-90546-1). The peaks continue into the residual range organics (RRO) range.

The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-10-W-191104 (580-90546-3). The diesel range organics (DRO) concentration reported for this sample also consists of discrete peaks. The peaks continue into the residual range organics (RRO) range.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: EQB-1-W-191104

Lab Sample ID: 580-90546-1

No Detections.

Client Sample ID: MW-8-W-191104

Lab Sample ID: 580-90546-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Benzene | 47 | | 3.0 | 0.53 | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 3.4 | | 2.0 | 0.39 | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 30 | | 3.0 | 0.50 | ug/L | 1 | | 8260C | Total/NA |
| m-Xylene & p-Xylene | 68 | | 3.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |
| o-Xylene | 2.6 | | 2.0 | 0.39 | ug/L | 1 | | 8260C | Total/NA |
| Gasoline Range Organics (GRO) -C6-C10 | 1.2 | | 0.25 | 0.10 | mg/L | 1 | | AK101 | Total/NA |
| DRO (nC10-<nC25) | 0.51 | | 0.11 | 0.076 | mg/L | 1 | | AK102 & 103 | Total/NA |

Client Sample ID: MW-10-W-191104

Lab Sample ID: 580-90546-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|--------|------|---------|---|-------------|-----------|
| Chloroform | 0.032 | J | 0.50 | 0.0090 | ug/L | 1 | | 8260C SIM | Total/NA |
| Tetrachloroethene | 0.026 | J | 0.50 | 0.017 | ug/L | 1 | | 8260C SIM | Total/NA |
| DRO (nC10-<nC25) | 0.32 | | 0.12 | 0.079 | mg/L | 1 | | AK102 & 103 | Total/NA |

Client Sample ID: BD-1-W-191104

Lab Sample ID: 580-90546-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-------|------|---------|---|-------------|-----------|
| Benzene | 47 | | 3.0 | 0.53 | ug/L | 1 | | 8260C | Total/NA |
| Toluene | 3.2 | | 2.0 | 0.39 | ug/L | 1 | | 8260C | Total/NA |
| Ethylbenzene | 30 | | 3.0 | 0.50 | ug/L | 1 | | 8260C | Total/NA |
| m-Xylene & p-Xylene | 67 | | 3.0 | 0.75 | ug/L | 1 | | 8260C | Total/NA |
| o-Xylene | 2.6 | | 2.0 | 0.39 | ug/L | 1 | | 8260C | Total/NA |
| Gasoline Range Organics (GRO) -C6-C10 | 1.2 | | 0.25 | 0.10 | mg/L | 1 | | AK101 | Total/NA |
| DRO (nC10-<nC25) | 0.64 | | 0.11 | 0.075 | mg/L | 1 | | AK102 & 103 | Total/NA |

Client Sample ID: Trip Blank-W-191104

Lab Sample ID: 580-90546-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: EQB-1-W-191104

Lab Sample ID: 580-90546-1

Date Collected: 11/04/19 08:30

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | ND | | 3.0 | 0.53 | ug/L | | | 11/07/19 13:05 | 1 |
| Toluene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 13:05 | 1 |
| Ethylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 13:05 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | 0.75 | ug/L | | | 11/07/19 13:05 | 1 |
| o-Xylene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 13:05 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 105 | | 80 - 120 | | 11/07/19 13:05 | 1 |
| Trifluorotoluene (Surr) | 91 | | 80 - 120 | | 11/07/19 13:05 | 1 |
| 4-Bromofluorobenzene (Surr) | 92 | | 80 - 120 | | 11/07/19 13:05 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 80 - 120 | | 11/07/19 13:05 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 80 - 126 | | 11/07/19 13:05 | 1 |

Method: AK101 - Alaska - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|------|------|------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 0.25 | 0.10 | mg/L | | | 11/11/19 14:39 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Trifluorotoluene (Surr) | 101 | | 50 - 150 | | 11/11/19 14:39 | 1 |
| 4-Bromofluorobenzene (Surr) | 99 | | 50 - 150 | | 11/11/19 14:39 | 1 |

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| DRO (nC10-<nC25) | ND | | 0.11 | 0.076 | mg/L | | 11/14/19 08:51 | 11/14/19 18:32 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 94 | | 50 - 150 | 11/14/19 08:51 | 11/14/19 18:32 | 1 |

Client Sample ID: MW-8-W-191104

Lab Sample ID: 580-90546-2

Date Collected: 11/04/19 12:00

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | 47 | | 3.0 | 0.53 | ug/L | | | 11/07/19 14:21 | 1 |
| Toluene | 3.4 | | 2.0 | 0.39 | ug/L | | | 11/07/19 14:21 | 1 |
| Ethylbenzene | 30 | | 3.0 | 0.50 | ug/L | | | 11/07/19 14:21 | 1 |
| m-Xylene & p-Xylene | 68 | | 3.0 | 0.75 | ug/L | | | 11/07/19 14:21 | 1 |
| o-Xylene | 2.6 | | 2.0 | 0.39 | ug/L | | | 11/07/19 14:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 108 | | 80 - 120 | | 11/07/19 14:21 | 1 |
| Trifluorotoluene (Surr) | 90 | | 80 - 120 | | 11/07/19 14:21 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 11/07/19 14:21 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 80 - 120 | | 11/07/19 14:21 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 80 - 126 | | 11/07/19 14:21 | 1 |

Method: AK101 - Alaska - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|------|------|------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.2 | | 0.25 | 0.10 | mg/L | | | 11/08/19 01:44 | 1 |

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: MW-8-W-191104

Lab Sample ID: 580-90546-2

Date Collected: 11/04/19 12:00

Matrix: Water

Date Received: 11/04/19 16:25

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Trifluorotoluene (Surr) | 96 | | 50 - 150 | | 11/08/19 01:44 | 1 |
| 4-Bromofluorobenzene (Surr) | 111 | | 50 - 150 | | 11/08/19 01:44 | 1 |

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| DRO (nC10-<nC25) | 0.51 | | 0.11 | 0.076 | mg/L | | 11/14/19 08:51 | 11/14/19 18:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 80 | | 50 - 150 | 11/14/19 08:51 | 11/14/19 18:52 | 1 |

Client Sample ID: MW-10-W-191104

Lab Sample ID: 580-90546-3

Date Collected: 11/04/19 14:00

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------------|-----------|------|--------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 18:22 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.50 | 0.049 | ug/L | | | 11/12/19 18:22 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 18:22 | 1 |
| 1,1-Dichloroethene | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 18:22 | 1 |
| 1,2-Dibromoethane | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 18:22 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | 0.024 | ug/L | | | 11/12/19 18:22 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 18:22 | 1 |
| Benzene | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 18:22 | 1 |
| Bromodichloromethane | ND | | 0.50 | 0.0060 | ug/L | | | 11/12/19 18:22 | 1 |
| Bromoform | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 18:22 | 1 |
| Bromomethane | ND | | 0.50 | 0.012 | ug/L | | | 11/12/19 18:22 | 1 |
| Chloroform | 0.032 | J | 0.50 | 0.0090 | ug/L | | | 11/12/19 18:22 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.50 | 0.026 | ug/L | | | 11/12/19 18:22 | 1 |
| Dibromochloromethane | ND | | 0.50 | 0.016 | ug/L | | | 11/12/19 18:22 | 1 |
| Dibromomethane | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 18:22 | 1 |
| Hexachlorobutadiene | ND | | 0.50 | 0.026 | ug/L | | | 11/12/19 18:22 | 1 |
| Naphthalene | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 18:22 | 1 |
| Tetrachloroethene | 0.026 | J | 0.50 | 0.017 | ug/L | | | 11/12/19 18:22 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.50 | 0.027 | ug/L | | | 11/12/19 18:22 | 1 |
| Trichloroethene | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 18:22 | 1 |
| Vinyl chloride | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 18:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 48 - 150 | | 11/12/19 18:22 | 1 |
| 4-Bromofluorobenzene (Surr) | 107 | | 75 - 120 | | 11/12/19 18:22 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 80 - 120 | | 11/12/19 18:22 | 1 |
| Toluene-d8 (Surr) | 97 | | 75 - 120 | | 11/12/19 18:22 | 1 |
| Trifluorotoluene (Surr) | 121 | X | 80 - 120 | | 11/12/19 18:22 | 1 |

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 3.0 | 0.39 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,1-Dichloroethane | ND | | 2.0 | 0.22 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,1-Dichloropropene | ND | | 3.0 | 0.29 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 5.0 | 1.1 | ug/L | | | 11/07/19 14:47 | 1 |

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: MW-10-W-191104

Lab Sample ID: 580-90546-3

Date Collected: 11/04/19 14:00

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,2,3-Trichloropropane | ND | | 2.0 | 0.41 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.33 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 3.0 | 0.61 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.8 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,2-Dichlorobenzene | ND | | 2.0 | 0.46 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 3.0 | 0.55 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,3-Dichlorobenzene | ND | | 2.0 | 0.18 | ug/L | | | 11/07/19 14:47 | 1 |
| 1,3-Dichloropropane | ND | | 2.0 | 0.35 | ug/L | | | 11/07/19 14:47 | 1 |
| 2,2-Dichloropropane | ND | | 3.0 | 0.32 | ug/L | | | 11/07/19 14:47 | 1 |
| 2-Butanone | ND | | 20 | 4.7 | ug/L | | | 11/07/19 14:47 | 1 |
| 2-Chlorotoluene | ND | | 3.0 | 0.51 | ug/L | | | 11/07/19 14:47 | 1 |
| 4-Chlorotoluene | ND | | 2.0 | 0.51 | ug/L | | | 11/07/19 14:47 | 1 |
| 4-Isopropyltoluene | ND | | 3.0 | 0.28 | ug/L | | | 11/07/19 14:47 | 1 |
| 4-Methyl-2-pentanone | ND | | 15 | 2.5 | ug/L | | | 11/07/19 14:47 | 1 |
| Acetone | ND | | 50 | 7.8 | ug/L | | | 11/07/19 14:47 | 1 |
| Bromobenzene | ND | | 2.0 | 0.43 | ug/L | | | 11/07/19 14:47 | 1 |
| Bromochloromethane | ND | | 2.0 | 0.29 | ug/L | | | 11/07/19 14:47 | 1 |
| Carbon disulfide | ND | | 3.0 | 0.53 | ug/L | | | 11/07/19 14:47 | 1 |
| Carbon tetrachloride | ND | | 3.0 | 0.30 | ug/L | | | 11/07/19 14:47 | 1 |
| Chlorobenzene | ND | | 2.0 | 0.44 | ug/L | | | 11/07/19 14:47 | 1 |
| Chloroethane | ND | | 5.0 | 1.1 | ug/L | | | 11/07/19 14:47 | 1 |
| Chloromethane | ND | | 20 | 5.4 | ug/L | | | 11/07/19 14:47 | 1 |
| cis-1,2-Dichloroethene | ND | | 3.0 | 0.69 | ug/L | | | 11/07/19 14:47 | 1 |
| Dichlorodifluoromethane | ND | | 10 | 2.3 | ug/L | | | 11/07/19 14:47 | 1 |
| Ethylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 14:47 | 1 |
| Isopropylbenzene | ND | | 2.0 | 0.51 | ug/L | | | 11/07/19 14:47 | 1 |
| Methyl tert-butyl ether | ND | | 2.0 | 0.44 | ug/L | | | 11/07/19 14:47 | 1 |
| Methylene Chloride | ND | | 5.0 | 1.4 | ug/L | | | 11/07/19 14:47 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | 0.75 | ug/L | | | 11/07/19 14:47 | 1 |
| n-Butylbenzene | ND | | 3.0 | 0.44 | ug/L | | | 11/07/19 14:47 | 1 |
| N-Propylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 14:47 | 1 |
| o-Xylene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 14:47 | 1 |
| sec-Butylbenzene | ND | | 3.0 | 0.49 | ug/L | | | 11/07/19 14:47 | 1 |
| Styrene | ND | | 5.0 | 1.0 | ug/L | | | 11/07/19 14:47 | 1 |
| t-Butylbenzene | ND | | 3.0 | 0.58 | ug/L | | | 11/07/19 14:47 | 1 |
| Toluene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 14:47 | 1 |
| trans-1,2-Dichloroethene | ND | | 3.0 | 0.39 | ug/L | | | 11/07/19 14:47 | 1 |
| Trichlorofluoromethane | ND | | 3.0 | 0.63 | ug/L | | | 11/07/19 14:47 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 80 - 126 | | 11/07/19 14:47 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 80 - 120 | | 11/07/19 14:47 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 80 - 120 | | 11/07/19 14:47 | 1 |
| Toluene-d8 (Surr) | 106 | | 80 - 120 | | 11/07/19 14:47 | 1 |
| Trifluorotoluene (Surr) | 93 | | 80 - 120 | | 11/07/19 14:47 | 1 |

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: MW-10-W-191104

Lab Sample ID: 580-90546-3

Date Collected: 11/04/19 14:00

Matrix: Water

Date Received: 11/04/19 16:25

Method: AK101 - Alaska - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 0.25 | 0.10 | mg/L | - | | 11/08/19 02:32 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Trifluorotoluene (Surr) | 86 | | 50 - 150 | | | | | 11/08/19 02:32 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 50 - 150 | | | | | 11/08/19 02:32 | 1 |

Method: 8011 - EDB and DBCP in Water by Microextraction

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| 1,2,3-Trichloropropane | ND | | 0.025 | 0.0067 | ug/L | - | 11/13/19 11:59 | 11/15/19 14:52 | 1 |
| Ethylene Dibromide | ND | | 0.0083 | 0.0017 | ug/L | - | 11/13/19 11:59 | 11/15/19 14:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dibromopropane | 116 | | 60 - 140 | | | | 11/13/19 11:59 | 11/15/19 14:52 | 1 |

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------|-----------|----------|-------|------|---|----------------|----------------|---------|
| DRO (nC10-<nC25) | 0.32 | | 0.12 | 0.079 | mg/L | - | 11/14/19 08:51 | 11/14/19 19:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 74 | | 50 - 150 | | | | 11/14/19 08:51 | 11/14/19 19:12 | 1 |

Client Sample ID: BD-1-W-191104

Lab Sample ID: 580-90546-4

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|------------|-----------|----------|------|------|---|----------|----------------|---------|
| Benzene | 47 | | 3.0 | 0.53 | ug/L | - | | 11/07/19 15:12 | 1 |
| Toluene | 3.2 | | 2.0 | 0.39 | ug/L | - | | 11/07/19 15:12 | 1 |
| Ethylbenzene | 30 | | 3.0 | 0.50 | ug/L | - | | 11/07/19 15:12 | 1 |
| m-Xylene & p-Xylene | 67 | | 3.0 | 0.75 | ug/L | - | | 11/07/19 15:12 | 1 |
| o-Xylene | 2.6 | | 2.0 | 0.39 | ug/L | - | | 11/07/19 15:12 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 107 | | 80 - 120 | | | | | 11/07/19 15:12 | 1 |
| Trifluorotoluene (Surr) | 90 | | 80 - 120 | | | | | 11/07/19 15:12 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | | | | 11/07/19 15:12 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 80 - 120 | | | | | 11/07/19 15:12 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 80 - 126 | | | | | 11/07/19 15:12 | 1 |

Method: AK101 - Alaska - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.2 | | 0.25 | 0.10 | mg/L | - | | 11/08/19 02:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Trifluorotoluene (Surr) | 92 | | 50 - 150 | | | | | 11/08/19 02:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 116 | | 50 - 150 | | | | | 11/08/19 02:08 | 1 |

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------|-----------|------|-------|------|---|----------------|----------------|---------|
| DRO (nC10-<nC25) | 0.64 | | 0.11 | 0.075 | mg/L | - | 11/14/19 08:51 | 11/14/19 19:32 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: BD-1-W-191104

Lab Sample ID: 580-90546-4

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 78 | | 50 - 150 | 11/14/19 08:51 | 11/14/19 19:32 | 1 |

Client Sample ID: Trip Blank-W-191104

Lab Sample ID: 580-90546-5

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|------|--------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 16:38 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.50 | 0.049 | ug/L | | | 11/12/19 16:38 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 16:38 | 1 |
| 1,1-Dichloroethene | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 16:38 | 1 |
| 1,2-Dibromoethane | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 16:38 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | 0.024 | ug/L | | | 11/12/19 16:38 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 16:38 | 1 |
| Benzene | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 16:38 | 1 |
| Bromodichloromethane | ND | | 0.50 | 0.0060 | ug/L | | | 11/12/19 16:38 | 1 |
| Bromoform | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 16:38 | 1 |
| Bromomethane | ND | | 0.50 | 0.012 | ug/L | | | 11/12/19 16:38 | 1 |
| Chloroform | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 16:38 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.50 | 0.026 | ug/L | | | 11/12/19 16:38 | 1 |
| Dibromochloromethane | ND | | 0.50 | 0.016 | ug/L | | | 11/12/19 16:38 | 1 |
| Dibromomethane | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 16:38 | 1 |
| Hexachlorobutadiene | ND | | 0.50 | 0.026 | ug/L | | | 11/12/19 16:38 | 1 |
| Naphthalene | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 16:38 | 1 |
| Tetrachloroethene | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 16:38 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.50 | 0.027 | ug/L | | | 11/12/19 16:38 | 1 |
| Trichloroethene | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 16:38 | 1 |
| Vinyl chloride | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 16:38 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-----------|-----------|----------|----------|----------------|---------|
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 90 | | 48 - 150 | | 11/12/19 16:38 | 1 |
| <i>4-Bromofluorobenzene (Surr)</i> | 109 | | 75 - 120 | | 11/12/19 16:38 | 1 |
| <i>Dibromofluoromethane (Surr)</i> | 109 | | 80 - 120 | | 11/12/19 16:38 | 1 |
| <i>Toluene-d8 (Surr)</i> | 94 | | 75 - 120 | | 11/12/19 16:38 | 1 |
| <i>Trifluorotoluene (Surr)</i> | 121 | X | 80 - 120 | | 11/12/19 16:38 | 1 |

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | ND | | 3.0 | 0.39 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,1-Dichloroethane | ND | | 2.0 | 0.22 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,1-Dichloropropene | ND | | 3.0 | 0.29 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 5.0 | 1.1 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2,3-Trichloropropane | ND | | 2.0 | 0.41 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.33 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 3.0 | 0.61 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.8 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2-Dichlorobenzene | ND | | 2.0 | 0.46 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 3.0 | 0.55 | ug/L | | | 11/07/19 12:40 | 1 |
| 1,3-Dichlorobenzene | ND | | 2.0 | 0.18 | ug/L | | | 11/07/19 12:40 | 1 |

Client Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: Trip Blank-W-191104

Lab Sample ID: 580-90546-5

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,3-Dichloropropane | ND | | 2.0 | 0.35 | ug/L | | | 11/07/19 12:40 | 1 |
| 2,2-Dichloropropane | ND | | 3.0 | 0.32 | ug/L | | | 11/07/19 12:40 | 1 |
| 2-Butanone | ND | | 20 | 4.7 | ug/L | | | 11/07/19 12:40 | 1 |
| 2-Chlorotoluene | ND | | 3.0 | 0.51 | ug/L | | | 11/07/19 12:40 | 1 |
| 4-Chlorotoluene | ND | | 2.0 | 0.51 | ug/L | | | 11/07/19 12:40 | 1 |
| 4-Isopropyltoluene | ND | | 3.0 | 0.28 | ug/L | | | 11/07/19 12:40 | 1 |
| 4-Methyl-2-pentanone | ND | | 15 | 2.5 | ug/L | | | 11/07/19 12:40 | 1 |
| Acetone | ND | | 50 | 7.8 | ug/L | | | 11/07/19 12:40 | 1 |
| Bromobenzene | ND | | 2.0 | 0.43 | ug/L | | | 11/07/19 12:40 | 1 |
| Bromochloromethane | ND | | 2.0 | 0.29 | ug/L | | | 11/07/19 12:40 | 1 |
| Carbon disulfide | ND | | 3.0 | 0.53 | ug/L | | | 11/07/19 12:40 | 1 |
| Carbon tetrachloride | ND | | 3.0 | 0.30 | ug/L | | | 11/07/19 12:40 | 1 |
| Chlorobenzene | ND | | 2.0 | 0.44 | ug/L | | | 11/07/19 12:40 | 1 |
| Chloroethane | ND | | 5.0 | 1.1 | ug/L | | | 11/07/19 12:40 | 1 |
| Chloromethane | ND | | 20 | 5.4 | ug/L | | | 11/07/19 12:40 | 1 |
| cis-1,2-Dichloroethene | ND | | 3.0 | 0.69 | ug/L | | | 11/07/19 12:40 | 1 |
| Dichlorodifluoromethane | ND | | 10 | 2.3 | ug/L | | | 11/07/19 12:40 | 1 |
| Ethylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 12:40 | 1 |
| Isopropylbenzene | ND | | 2.0 | 0.51 | ug/L | | | 11/07/19 12:40 | 1 |
| Methyl tert-butyl ether | ND | | 2.0 | 0.44 | ug/L | | | 11/07/19 12:40 | 1 |
| Methylene Chloride | ND | | 5.0 | 1.4 | ug/L | | | 11/07/19 12:40 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | 0.75 | ug/L | | | 11/07/19 12:40 | 1 |
| n-Butylbenzene | ND | | 3.0 | 0.44 | ug/L | | | 11/07/19 12:40 | 1 |
| N-Propylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 12:40 | 1 |
| o-Xylene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 12:40 | 1 |
| sec-Butylbenzene | ND | | 3.0 | 0.49 | ug/L | | | 11/07/19 12:40 | 1 |
| Styrene | ND | | 5.0 | 1.0 | ug/L | | | 11/07/19 12:40 | 1 |
| t-Butylbenzene | ND | | 3.0 | 0.58 | ug/L | | | 11/07/19 12:40 | 1 |
| Toluene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 12:40 | 1 |
| trans-1,2-Dichloroethene | ND | | 3.0 | 0.39 | ug/L | | | 11/07/19 12:40 | 1 |
| Trichlorofluoromethane | ND | | 3.0 | 0.63 | ug/L | | | 11/07/19 12:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 80 - 126 | | 11/07/19 12:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 80 - 120 | | 11/07/19 12:40 | 1 |
| Dibromofluoromethane (Surr) | 96 | | 80 - 120 | | 11/07/19 12:40 | 1 |
| Toluene-d8 (Surr) | 106 | | 80 - 120 | | 11/07/19 12:40 | 1 |
| Trifluorotoluene (Surr) | 90 | | 80 - 120 | | 11/07/19 12:40 | 1 |

Method: AK101 - Alaska - Gasoline Range Organics (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|------|------|------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 0.25 | 0.10 | mg/L | | | 11/07/19 15:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Trifluorotoluene (Surr) | 84 | | 50 - 150 | | 11/07/19 15:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 50 - 150 | | 11/07/19 15:40 | 1 |

Method: 8011 - EDB and DBCP in Water by Microextraction

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 1,2,3-Trichloropropane | ND | | 0.025 | 0.0066 | ug/L | | 11/13/19 11:59 | 11/15/19 15:27 | 1 |

Eurofins TestAmerica, Seattle

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: Trip Blank-W-191104

Lab Sample ID: 580-90546-5

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| Ethylene Dibromide | ND | | 0.0083 | 0.0017 | ug/L | | 11/13/19 11:59 | 11/15/19 15:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dibromopropane | 120 | | 60 - 140 | | | | 11/13/19 11:59 | 11/15/19 15:27 | 1 |

Default Detection Limits

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

| Analyte | RL | MDL | Units |
|---------------------------|------|--------|-------|
| 1,1,1,2-Tetrachloroethane | 0.50 | 0.0090 | ug/L |
| 1,1,2,2-Tetrachloroethane | 0.50 | 0.049 | ug/L |
| 1,1,2-Trichloroethane | 0.50 | 0.017 | ug/L |
| 1,1-Dichloroethene | 0.50 | 0.014 | ug/L |
| 1,2-Dibromoethane | 0.50 | 0.014 | ug/L |
| 1,2-Dichloroethane | 0.50 | 0.024 | ug/L |
| 1,4-Dichlorobenzene | 0.50 | 0.014 | ug/L |
| Benzene | 0.50 | 0.0090 | ug/L |
| Bromodichloromethane | 0.50 | 0.0060 | ug/L |
| Bromoform | 0.50 | 0.013 | ug/L |
| Bromomethane | 0.50 | 0.012 | ug/L |
| Chloroform | 0.50 | 0.0090 | ug/L |
| cis-1,3-Dichloropropene | 0.50 | 0.026 | ug/L |
| Dibromochloromethane | 0.50 | 0.016 | ug/L |
| Dibromomethane | 0.50 | 0.017 | ug/L |
| Hexachlorobutadiene | 0.50 | 0.026 | ug/L |
| Naphthalene | 0.50 | 0.013 | ug/L |
| Tetrachloroethene | 0.50 | 0.017 | ug/L |
| trans-1,3-Dichloropropene | 0.50 | 0.027 | ug/L |
| Trichloroethene | 0.50 | 0.0090 | ug/L |
| Vinyl chloride | 0.50 | 0.013 | ug/L |

Method: 8260C - Volatile Organic Compounds by GC/MS

| Analyte | RL | MDL | Units |
|-----------------------------|-----|------|-------|
| 1,1,1-Trichloroethane | 3.0 | 0.39 | ug/L |
| 1,1-Dichloroethane | 2.0 | 0.22 | ug/L |
| 1,1-Dichloropropene | 3.0 | 0.29 | ug/L |
| 1,2,3-Trichlorobenzene | 5.0 | 1.1 | ug/L |
| 1,2,3-Trichloropropane | 2.0 | 0.41 | ug/L |
| 1,2,4-Trichlorobenzene | 2.0 | 0.33 | ug/L |
| 1,2,4-Trimethylbenzene | 3.0 | 0.61 | ug/L |
| 1,2-Dibromo-3-Chloropropane | 10 | 1.8 | ug/L |
| 1,2-Dichlorobenzene | 2.0 | 0.46 | ug/L |
| 1,2-Dichloropropane | 1.0 | 0.18 | ug/L |
| 1,3,5-Trimethylbenzene | 3.0 | 0.55 | ug/L |
| 1,3-Dichlorobenzene | 2.0 | 0.18 | ug/L |
| 1,3-Dichloropropane | 2.0 | 0.35 | ug/L |
| 2,2-Dichloropropane | 3.0 | 0.32 | ug/L |
| 2-Butanone | 20 | 4.7 | ug/L |
| 2-Chlorotoluene | 3.0 | 0.51 | ug/L |
| 4-Chlorotoluene | 2.0 | 0.51 | ug/L |
| 4-Isopropyltoluene | 3.0 | 0.28 | ug/L |
| 4-Methyl-2-pentanone | 15 | 2.5 | ug/L |
| Acetone | 50 | 7.8 | ug/L |
| Benzene | 3.0 | 0.53 | ug/L |
| Bromobenzene | 2.0 | 0.43 | ug/L |
| Bromochloromethane | 2.0 | 0.29 | ug/L |
| Carbon disulfide | 3.0 | 0.53 | ug/L |
| Carbon tetrachloride | 3.0 | 0.30 | ug/L |
| Chlorobenzene | 2.0 | 0.44 | ug/L |
| Chloroethane | 5.0 | 1.1 | ug/L |
| Chloromethane | 20 | 5.4 | ug/L |

Default Detection Limits

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | RL | MDL | Units |
|--------------------------|-----|------|-------|
| cis-1,2-Dichloroethene | 3.0 | 0.69 | ug/L |
| Dichlorodifluoromethane | 10 | 2.3 | ug/L |
| Ethylbenzene | 3.0 | 0.50 | ug/L |
| Isopropylbenzene | 2.0 | 0.51 | ug/L |
| Methyl tert-butyl ether | 2.0 | 0.44 | ug/L |
| Methylene Chloride | 5.0 | 1.4 | ug/L |
| m-Xylene & p-Xylene | 3.0 | 0.75 | ug/L |
| n-Butylbenzene | 3.0 | 0.44 | ug/L |
| N-Propylbenzene | 3.0 | 0.50 | ug/L |
| o-Xylene | 2.0 | 0.39 | ug/L |
| sec-Butylbenzene | 3.0 | 0.49 | ug/L |
| Styrene | 5.0 | 1.0 | ug/L |
| t-Butylbenzene | 3.0 | 0.58 | ug/L |
| Toluene | 2.0 | 0.39 | ug/L |
| trans-1,2-Dichloroethene | 3.0 | 0.39 | ug/L |
| Trichlorofluoromethane | 3.0 | 0.63 | ug/L |

Method: AK101 - Alaska - Gasoline Range Organics (GC)

| Analyte | RL | MDL | Units |
|--------------------------------------|------|------|-------|
| Gasoline Range Organics (GRO)-C6-C10 | 0.25 | 0.10 | mg/L |

Method: 8011 - EDB and DBCP in Water by Microextraction

Prep: 8011

| Analyte | RL | MDL | Units |
|------------------------|-------|--------|-------|
| 1,2,3-Trichloropropane | 0.030 | 0.0080 | ug/L |
| Ethylene Dibromide | 0.010 | 0.0020 | ug/L |

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

Prep: 3510C

| Analyte | RL | MDL | Units |
|------------------|------|-------|-------|
| DRO (nC10-<nC25) | 0.11 | 0.075 | mg/L |

Surrogate Summary

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | |
|-------------------|------------------------|--|-----------------|-----------------|------------------|-----------------|
| | | TOL (80-120) | TFT (80-120) | BFB (80-120) | DBFM (80-120) | DCA (80-126) |
| 580-90546-1 | EQB-1-W-191104 | 105 | 91 | 92 | 97 | 99 |
| 580-90546-2 | MW-8-W-191104 | 108 | 90 | 93 | 95 | 97 |
| 580-90546-3 | MW-10-W-191104 | 106 | 93 | 89 | 98 | 99 |
| 580-90546-4 | BD-1-W-191104 | 107 | 90 | 93 | 95 | 98 |
| 580-90546-5 | Trip Blank-W-191104 | 106 | 90 | 90 | 96 | 101 |
| LCS 580-316242/4 | Lab Control Sample | 103 | 93 | 94 | 94 | 95 |
| LCSD 580-316242/5 | Lab Control Sample Dup | 104 | 94 | 94 | 93 | 94 |
| MB 580-316242/7 | Method Blank | 109 | 92 | 90 | 97 | 101 |

Surrogate Legend

TOL = Toluene-d8 (Surr)
 TFT = Trifluorotoluene (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | |
|-------------------|------------------------|--|-----------------|------------------|-----------------|-----------------|
| | | DCA (48-150) | BFB (75-120) | DBFM (80-120) | TOL (75-120) | TFT (80-120) |
| 580-90546-3 | MW-10-W-191104 | 92 | 107 | 112 | 97 | 121 X |
| 580-90546-5 | Trip Blank-W-191104 | 90 | 109 | 109 | 94 | 121 X |
| LCS 580-316581/4 | Lab Control Sample | 90 | 109 | 107 | 95 | 116 |
| LCSD 580-316581/5 | Lab Control Sample Dup | 91 | 108 | 107 | 97 | 116 |
| MB 580-316581/7 | Method Blank | 90 | 106 | 107 | 95 | 119 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)
 TFT = Trifluorotoluene (Surr)

Method: AK101 - Alaska - Gasoline Range Organics (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | |
|--------------------|------------------------|--|------------------|
| | | TFT1 (50-150) | BFB1 (50-150) |
| 580-90546-1 | EQB-1-W-191104 | 101 | 99 |
| 580-90546-2 | MW-8-W-191104 | 96 | 111 |
| 580-90546-3 | MW-10-W-191104 | 86 | 102 |
| 580-90546-4 | BD-1-W-191104 | 92 | 116 |
| 580-90546-5 | Trip Blank-W-191104 | 84 | 109 |
| LCS 580-316277/8 | Lab Control Sample | 103 | 110 |
| LCS 580-316280/30 | Lab Control Sample | 104 | 114 |
| LCS 580-316476/8 | Lab Control Sample | 108 | 117 |
| LCSD 580-316277/9 | Lab Control Sample Dup | 95 | 105 |
| LCSD 580-316280/31 | Lab Control Sample Dup | 91 | 101 |

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: AK101 - Alaska - Gasoline Range Organics (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------|------------------------|--|------------------|
| | | TFT1 (50-150) | BFB1 (50-150) |
| LCSD 580-316476/9 | Lab Control Sample Dup | 93 | 103 |
| MB 580-316277/7 | Method Blank | 91 | 95 |
| MB 580-316280/29 | Method Blank | 90 | 99 |
| MB 580-316476/7 | Method Blank | 100 | 106 |

Surrogate Legend

TFT = Trifluorotoluene (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|--|
| | | 12DBP1 (60-140) |
| 580-90546-3 | MW-10-W-191104 | 116 |
| 580-90546-5 | Trip Blank-W-191104 | 120 |
| LCS 580-316714/4-A | Lab Control Sample | 122 |
| LCSD 580-316714/5-A | Lab Control Sample Dup | 107 |
| LLCS 580-316714/6-A | Lab Control Sample | 111 |
| MB 580-316714/3-A | Method Blank | 116 |

Surrogate Legend

12DBP = 1,2-Dibromopropane

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|--|
| | | OTPH (50-150) |
| 580-90546-1 | EQB-1-W-191104 | 94 |
| 580-90546-2 | MW-8-W-191104 | 80 |
| 580-90546-3 | MW-10-W-191104 | 74 |
| 580-90546-4 | BD-1-W-191104 | 78 |
| LCS 580-316768/2-A | Lab Control Sample | 77 |
| LCSD 580-316768/3-A | Lab Control Sample Dup | 77 |
| MB 580-316768/1-A | Method Blank | 84 |

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-316242/7

Matrix: Water

Analysis Batch: 316242

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 1,1,1-Trichloroethane | ND | | 3.0 | 0.39 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,1-Dichloroethane | ND | | 2.0 | 0.22 | ug/L | | | 11/07/19 12:15 | 1 |
| Benzene | ND | | 3.0 | 0.53 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,1-Dichloropropene | ND | | 3.0 | 0.29 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 5.0 | 1.1 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2,3-Trichloropropane | ND | | 2.0 | 0.41 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.33 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 3.0 | 0.61 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.8 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 2.0 | 0.46 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,2-Dichloropropane | ND | | 1.0 | 0.18 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 3.0 | 0.55 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 2.0 | 0.18 | ug/L | | | 11/07/19 12:15 | 1 |
| 1,3-Dichloropropane | ND | | 2.0 | 0.35 | ug/L | | | 11/07/19 12:15 | 1 |
| 2,2-Dichloropropane | ND | | 3.0 | 0.32 | ug/L | | | 11/07/19 12:15 | 1 |
| 2-Butanone | ND | | 20 | 4.7 | ug/L | | | 11/07/19 12:15 | 1 |
| 2-Chlorotoluene | ND | | 3.0 | 0.51 | ug/L | | | 11/07/19 12:15 | 1 |
| 4-Chlorotoluene | ND | | 2.0 | 0.51 | ug/L | | | 11/07/19 12:15 | 1 |
| 4-Isopropyltoluene | ND | | 3.0 | 0.28 | ug/L | | | 11/07/19 12:15 | 1 |
| 4-Methyl-2-pentanone | ND | | 15 | 2.5 | ug/L | | | 11/07/19 12:15 | 1 |
| Acetone | ND | | 50 | 7.8 | ug/L | | | 11/07/19 12:15 | 1 |
| Bromobenzene | ND | | 2.0 | 0.43 | ug/L | | | 11/07/19 12:15 | 1 |
| Bromochloromethane | ND | | 2.0 | 0.29 | ug/L | | | 11/07/19 12:15 | 1 |
| Carbon disulfide | ND | | 3.0 | 0.53 | ug/L | | | 11/07/19 12:15 | 1 |
| Carbon tetrachloride | ND | | 3.0 | 0.30 | ug/L | | | 11/07/19 12:15 | 1 |
| Chlorobenzene | ND | | 2.0 | 0.44 | ug/L | | | 11/07/19 12:15 | 1 |
| Chloroethane | ND | | 5.0 | 1.1 | ug/L | | | 11/07/19 12:15 | 1 |
| Chloromethane | ND | | 20 | 5.4 | ug/L | | | 11/07/19 12:15 | 1 |
| cis-1,2-Dichloroethene | ND | | 3.0 | 0.69 | ug/L | | | 11/07/19 12:15 | 1 |
| Dichlorodifluoromethane | ND | | 10 | 2.3 | ug/L | | | 11/07/19 12:15 | 1 |
| Ethylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 12:15 | 1 |
| Isopropylbenzene | ND | | 2.0 | 0.51 | ug/L | | | 11/07/19 12:15 | 1 |
| Methyl tert-butyl ether | ND | | 2.0 | 0.44 | ug/L | | | 11/07/19 12:15 | 1 |
| Methylene Chloride | ND | | 5.0 | 1.4 | ug/L | | | 11/07/19 12:15 | 1 |
| m-Xylene & p-Xylene | ND | | 3.0 | 0.75 | ug/L | | | 11/07/19 12:15 | 1 |
| n-Butylbenzene | ND | | 3.0 | 0.44 | ug/L | | | 11/07/19 12:15 | 1 |
| N-Propylbenzene | ND | | 3.0 | 0.50 | ug/L | | | 11/07/19 12:15 | 1 |
| o-Xylene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 12:15 | 1 |
| sec-Butylbenzene | ND | | 3.0 | 0.49 | ug/L | | | 11/07/19 12:15 | 1 |
| Styrene | ND | | 5.0 | 1.0 | ug/L | | | 11/07/19 12:15 | 1 |
| t-Butylbenzene | ND | | 3.0 | 0.58 | ug/L | | | 11/07/19 12:15 | 1 |
| Toluene | ND | | 2.0 | 0.39 | ug/L | | | 11/07/19 12:15 | 1 |
| trans-1,2-Dichloroethene | ND | | 3.0 | 0.39 | ug/L | | | 11/07/19 12:15 | 1 |
| Trichlorofluoromethane | ND | | 3.0 | 0.63 | ug/L | | | 11/07/19 12:15 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 80 - 126 | | 11/07/19 12:15 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 80 - 120 | | 11/07/19 12:15 | 1 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-316242/7

Matrix: Water

Analysis Batch: 316242

Client Sample ID: Method Blank

Prep Type: Total/NA

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| Dibromofluoromethane (Surr) | 97 | | 80 - 120 | | 11/07/19 12:15 | 1 |
| Toluene-d8 (Surr) | 109 | | 80 - 120 | | 11/07/19 12:15 | 1 |
| Trifluorotoluene (Surr) | 92 | | 80 - 120 | | 11/07/19 12:15 | 1 |

Lab Sample ID: LCS 580-316242/4

Matrix: Water

Analysis Batch: 316242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|-----------------------------|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | Limits |
| 1,1,1-Trichloroethane | 20.0 | 17.7 | | ug/L | | 89 | 74 - 130 |
| 1,1-Dichloroethane | 20.0 | 18.4 | | ug/L | | 92 | 70 - 129 |
| Benzene | 20.0 | 19.5 | | ug/L | | 97 | 75 - 121 |
| 1,1-Dichloropropene | 20.0 | 17.5 | | ug/L | | 87 | 80 - 120 |
| 1,2,3-Trichlorobenzene | 20.0 | 19.5 | | ug/L | | 97 | 23 - 150 |
| 1,2,3-Trichloropropane | 20.0 | 18.4 | | ug/L | | 92 | 76 - 124 |
| 1,2,4-Trichlorobenzene | 20.0 | 20.3 | | ug/L | | 101 | 57 - 140 |
| 1,2,4-Trimethylbenzene | 20.0 | 20.9 | | ug/L | | 105 | 80 - 120 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 17.8 | | ug/L | | 89 | 65 - 125 |
| 1,2-Dichlorobenzene | 20.0 | 20.9 | | ug/L | | 104 | 80 - 120 |
| 1,2-Dichloropropane | 20.0 | 19.1 | | ug/L | | 96 | 72 - 126 |
| 1,3,5-Trimethylbenzene | 20.0 | 20.2 | | ug/L | | 101 | 80 - 120 |
| 1,3-Dichlorobenzene | 20.0 | 20.6 | | ug/L | | 103 | 80 - 120 |
| 1,3-Dichloropropane | 20.0 | 20.1 | | ug/L | | 101 | 79 - 120 |
| 2,2-Dichloropropane | 20.0 | 19.8 | | ug/L | | 99 | 62 - 140 |
| 2-Butanone | 100 | 86.4 | | ug/L | | 86 | 65 - 127 |
| 2-Chlorotoluene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 |
| 4-Chlorotoluene | 20.0 | 19.8 | | ug/L | | 99 | 80 - 120 |
| 4-Isopropyltoluene | 20.0 | 19.9 | | ug/L | | 100 | 77 - 120 |
| 4-Methyl-2-pentanone | 100 | 101 | | ug/L | | 101 | 69 - 124 |
| Acetone | 100 | 90.1 | | ug/L | | 90 | 43 - 150 |
| Bromobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 120 |
| Bromochloromethane | 20.0 | 17.5 | | ug/L | | 87 | 78 - 120 |
| Carbon disulfide | 20.0 | 18.4 | | ug/L | | 92 | 69 - 122 |
| Carbon tetrachloride | 20.0 | 16.8 | | ug/L | | 84 | 72 - 129 |
| Chlorobenzene | 20.0 | 19.7 | | ug/L | | 98 | 80 - 120 |
| Chloroethane | 20.0 | 19.4 | | ug/L | | 97 | 65 - 132 |
| Chloromethane | 20.0 | 19.4 | J | ug/L | | 97 | 52 - 135 |
| cis-1,2-Dichloroethene | 20.0 | 18.3 | | ug/L | | 91 | 76 - 129 |
| Dichlorodifluoromethane | 20.0 | 16.2 | | ug/L | | 81 | 20 - 150 |
| Ethylbenzene | 20.0 | 20.9 | | ug/L | | 104 | 80 - 120 |
| Isopropylbenzene | 20.0 | 19.9 | | ug/L | | 100 | 75 - 120 |
| Methyl tert-butyl ether | 20.0 | 18.0 | | ug/L | | 90 | 72 - 130 |
| Methylene Chloride | 20.0 | 18.1 | | ug/L | | 90 | 77 - 125 |
| m-Xylene & p-Xylene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 |
| n-Butylbenzene | 20.0 | 19.2 | | ug/L | | 96 | 78 - 120 |
| N-Propylbenzene | 20.0 | 21.2 | | ug/L | | 106 | 80 - 120 |
| o-Xylene | 20.0 | 20.1 | | ug/L | | 101 | 80 - 120 |
| sec-Butylbenzene | 20.0 | 20.3 | | ug/L | | 101 | 78 - 120 |

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-316242/4
Matrix: Water
Analysis Batch: 316242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------|-------------|------------|---------------|------|---|------|--------------|
| Styrene | 20.0 | 19.1 | | ug/L | | 96 | 76 - 121 |
| t-Butylbenzene | 20.0 | 19.7 | | ug/L | | 99 | 80 - 121 |
| Toluene | 20.0 | 21.0 | | ug/L | | 105 | 80 - 120 |
| trans-1,2-Dichloroethene | 20.0 | 18.2 | | ug/L | | 91 | 77 - 124 |
| Trichlorofluoromethane | 20.0 | 16.8 | | ug/L | | 84 | 64 - 136 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 80 - 126 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 94 | | 80 - 120 |
| Toluene-d8 (Surr) | 103 | | 80 - 120 |
| Trifluorotoluene (Surr) | 93 | | 80 - 120 |

Lab Sample ID: LCSD 580-316242/5
Matrix: Water
Analysis Batch: 316242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane | 20.0 | 17.6 | | ug/L | | 88 | 74 - 130 | 1 | 18 |
| 1,1-Dichloroethane | 20.0 | 18.4 | | ug/L | | 92 | 70 - 129 | 0 | 26 |
| Benzene | 20.0 | 18.7 | | ug/L | | 93 | 75 - 121 | 4 | 14 |
| 1,1-Dichloropropene | 20.0 | 16.8 | | ug/L | | 84 | 80 - 120 | 4 | 14 |
| 1,2,3-Trichlorobenzene | 20.0 | 19.7 | | ug/L | | 98 | 23 - 150 | 1 | 35 |
| 1,2,3-Trichloropropane | 20.0 | 19.7 | | ug/L | | 98 | 76 - 124 | 7 | 30 |
| 1,2,4-Trichlorobenzene | 20.0 | 19.8 | | ug/L | | 99 | 57 - 140 | 2 | 27 |
| 1,2,4-Trimethylbenzene | 20.0 | 21.0 | | ug/L | | 105 | 80 - 120 | 1 | 16 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 17.7 | | ug/L | | 89 | 65 - 125 | 0 | 27 |
| 1,2-Dichlorobenzene | 20.0 | 20.5 | | ug/L | | 103 | 80 - 120 | 2 | 15 |
| 1,2-Dichloropropane | 20.0 | 19.4 | | ug/L | | 97 | 72 - 126 | 2 | 26 |
| 1,3,5-Trimethylbenzene | 20.0 | 20.9 | | ug/L | | 104 | 80 - 120 | 3 | 14 |
| 1,3-Dichlorobenzene | 20.0 | 20.2 | | ug/L | | 101 | 80 - 120 | 2 | 14 |
| 1,3-Dichloropropane | 20.0 | 20.2 | | ug/L | | 101 | 79 - 120 | 0 | 26 |
| 2,2-Dichloropropane | 20.0 | 18.1 | | ug/L | | 90 | 62 - 140 | 9 | 23 |
| 2-Butanone | 100 | 92.1 | | ug/L | | 92 | 65 - 127 | 6 | 29 |
| 2-Chlorotoluene | 20.0 | 20.0 | | ug/L | | 100 | 80 - 120 | 2 | 15 |
| 4-Chlorotoluene | 20.0 | 19.5 | | ug/L | | 98 | 80 - 120 | 1 | 14 |
| 4-Isopropyltoluene | 20.0 | 19.8 | | ug/L | | 99 | 77 - 120 | 1 | 13 |
| 4-Methyl-2-pentanone | 100 | 101 | | ug/L | | 101 | 69 - 124 | 0 | 22 |
| Acetone | 100 | 84.9 | | ug/L | | 85 | 43 - 150 | 6 | 35 |
| Bromobenzene | 20.0 | 19.4 | | ug/L | | 97 | 80 - 120 | 0 | 13 |
| Bromochloromethane | 20.0 | 17.4 | | ug/L | | 87 | 78 - 120 | 0 | 20 |
| Carbon disulfide | 20.0 | 17.3 | | ug/L | | 87 | 69 - 122 | 6 | 20 |
| Carbon tetrachloride | 20.0 | 16.4 | | ug/L | | 82 | 72 - 129 | 3 | 19 |
| Chlorobenzene | 20.0 | 20.0 | | ug/L | | 100 | 80 - 120 | 2 | 15 |
| Chloroethane | 20.0 | 17.3 | | ug/L | | 87 | 65 - 132 | 11 | 35 |
| Chloromethane | 20.0 | 19.6 | J | ug/L | | 98 | 52 - 135 | 1 | 23 |
| cis-1,2-Dichloroethene | 20.0 | 17.7 | | ug/L | | 88 | 76 - 129 | 3 | 15 |
| Dichlorodifluoromethane | 20.0 | 15.9 | | ug/L | | 80 | 20 - 150 | 2 | 35 |

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-316242/5
Matrix: Water
Analysis Batch: 316242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Ethylbenzene | 20.0 | 21.3 | | ug/L | | 106 | 80 - 120 | 2 | 14 |
| Isopropylbenzene | 20.0 | 19.9 | | ug/L | | 100 | 75 - 120 | 0 | 20 |
| Methyl tert-butyl ether | 20.0 | 17.7 | | ug/L | | 89 | 72 - 130 | 1 | 18 |
| Methylene Chloride | 20.0 | 17.7 | | ug/L | | 88 | 77 - 125 | 2 | 18 |
| m-Xylene & p-Xylene | 20.0 | 19.6 | | ug/L | | 98 | 80 - 120 | 0 | 14 |
| n-Butylbenzene | 20.0 | 19.3 | | ug/L | | 97 | 78 - 120 | 1 | 14 |
| N-Propylbenzene | 20.0 | 21.5 | | ug/L | | 108 | 80 - 120 | 2 | 13 |
| o-Xylene | 20.0 | 20.4 | | ug/L | | 102 | 80 - 120 | 2 | 16 |
| sec-Butylbenzene | 20.0 | 20.2 | | ug/L | | 101 | 78 - 120 | 0 | 15 |
| Styrene | 20.0 | 19.1 | | ug/L | | 96 | 76 - 121 | 0 | 16 |
| t-Butylbenzene | 20.0 | 19.9 | | ug/L | | 99 | 80 - 121 | 1 | 14 |
| Toluene | 20.0 | 21.4 | | ug/L | | 107 | 80 - 120 | 2 | 19 |
| trans-1,2-Dichloroethene | 20.0 | 18.3 | | ug/L | | 91 | 77 - 124 | 0 | 21 |
| Trichlorofluoromethane | 20.0 | 16.1 | | ug/L | | 81 | 64 - 136 | 4 | 27 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 80 - 126 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 93 | | 80 - 120 |
| Toluene-d8 (Surr) | 104 | | 80 - 120 |
| Trifluorotoluene (Surr) | 94 | | 80 - 120 |

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-316581/7
Matrix: Water
Analysis Batch: 316581

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-----------|--------------|------|--------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 12:35 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.50 | 0.049 | ug/L | | | 11/12/19 12:35 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 12:35 | 1 |
| 1,1-Dichloroethene | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 12:35 | 1 |
| 1,2-Dibromoethane | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 12:35 | 1 |
| 1,2-Dichloroethane | ND | | 0.50 | 0.024 | ug/L | | | 11/12/19 12:35 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.50 | 0.014 | ug/L | | | 11/12/19 12:35 | 1 |
| Benzene | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 12:35 | 1 |
| Bromodichloromethane | ND | | 0.50 | 0.0060 | ug/L | | | 11/12/19 12:35 | 1 |
| Bromoform | ND | | 0.50 | 0.013 | ug/L | | | 11/12/19 12:35 | 1 |
| Bromomethane | ND | | 0.50 | 0.012 | ug/L | | | 11/12/19 12:35 | 1 |
| Chloroform | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 12:35 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.50 | 0.026 | ug/L | | | 11/12/19 12:35 | 1 |
| Dibromochloromethane | ND | | 0.50 | 0.016 | ug/L | | | 11/12/19 12:35 | 1 |
| Dibromomethane | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 12:35 | 1 |
| Hexachlorobutadiene | 0.0890 | J | 0.50 | 0.026 | ug/L | | | 11/12/19 12:35 | 1 |
| Naphthalene | 0.222 | J | 0.50 | 0.013 | ug/L | | | 11/12/19 12:35 | 1 |
| Tetrachloroethene | ND | | 0.50 | 0.017 | ug/L | | | 11/12/19 12:35 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.50 | 0.027 | ug/L | | | 11/12/19 12:35 | 1 |
| Trichloroethene | ND | | 0.50 | 0.0090 | ug/L | | | 11/12/19 12:35 | 1 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-316581/7
Matrix: Water
Analysis Batch: 316581

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|-------|------|---|----------|----------------|---------|
| Vinyl chloride | ND | | 0.50 | 0.013 | ug/L | - | | 11/12/19 12:35 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 48 - 150 | | | | | 11/12/19 12:35 | 1 |
| 4-Bromofluorobenzene (Surr) | 106 | | 75 - 120 | | | | | 11/12/19 12:35 | 1 |
| Dibromofluoromethane (Surr) | 107 | | 80 - 120 | | | | | 11/12/19 12:35 | 1 |
| Toluene-d8 (Surr) | 95 | | 75 - 120 | | | | | 11/12/19 12:35 | 1 |
| Trifluorotoluene (Surr) | 119 | | 80 - 120 | | | | | 11/12/19 12:35 | 1 |

Lab Sample ID: LCS 580-316581/4
Matrix: Water
Analysis Batch: 316581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|------------------|------------------|------------------|------|---|------|-----------------|
| 1,1,1,2-Tetrachloroethane | 5.00 | 5.54 | | ug/L | - | 111 | 64 - 124 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.36 | | ug/L | - | 87 | 65 - 144 |
| 1,1,2-Trichloroethane | 5.00 | 5.17 | | ug/L | - | 103 | 69 - 135 |
| 1,1-Dichloroethene | 5.00 | 5.24 | | ug/L | - | 105 | 64 - 139 |
| 1,2-Dibromoethane | 5.00 | 5.22 | | ug/L | - | 104 | 75 - 120 |
| 1,2-Dichloroethane | 5.00 | 4.20 | | ug/L | - | 84 | 58 - 155 |
| 1,4-Dichlorobenzene | 5.00 | 5.10 | | ug/L | - | 102 | 75 - 130 |
| Benzene | 5.00 | 4.59 | | ug/L | - | 92 | 71 - 137 |
| Bromodichloromethane | 5.00 | 4.54 | | ug/L | - | 91 | 61 - 150 |
| Bromoform | 5.00 | 5.58 | | ug/L | - | 112 | 55 - 130 |
| Bromomethane | 5.00 | 5.24 | | ug/L | - | 105 | 69 - 137 |
| Chloroform | 5.00 | 4.55 | | ug/L | - | 91 | 65 - 150 |
| cis-1,3-Dichloropropene | 5.00 | 4.40 | | ug/L | - | 88 | 61 - 140 |
| Dibromochloromethane | 5.00 | 5.37 | | ug/L | - | 107 | 71 - 120 |
| Dibromomethane | 5.00 | 5.62 | | ug/L | - | 112 | 67 - 126 |
| Hexachlorobutadiene | 5.00 | 5.26 | | ug/L | - | 105 | 73 - 139 |
| Naphthalene | 5.00 | 5.23 | | ug/L | - | 105 | 69 - 134 |
| Tetrachloroethene | 5.00 | 5.35 | | ug/L | - | 107 | 63 - 134 |
| trans-1,3-Dichloropropene | 5.00 | 4.42 | | ug/L | - | 88 | 62 - 133 |
| Trichloroethene | 5.00 | 5.69 | | ug/L | - | 114 | 70 - 140 |
| Vinyl chloride | 5.00 | 3.30 | | ug/L | - | 66 | 56 - 150 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 48 - 150 | | | | |
| 4-Bromofluorobenzene (Surr) | 109 | | 75 - 120 | | | | |
| Dibromofluoromethane (Surr) | 107 | | 80 - 120 | | | | |
| Toluene-d8 (Surr) | 95 | | 75 - 120 | | | | |
| Trifluorotoluene (Surr) | 116 | | 80 - 120 | | | | |

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8260C SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-316581/5

Matrix: Water

Analysis Batch: 316581

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane | 5.00 | 5.88 | | ug/L | | 118 | 64 - 124 | 6 | 10 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.49 | | ug/L | | 90 | 65 - 144 | 3 | 18 |
| 1,1,2-Trichloroethane | 5.00 | 5.31 | | ug/L | | 106 | 69 - 135 | 3 | 15 |
| 1,1-Dichloroethene | 5.00 | 5.17 | | ug/L | | 103 | 64 - 139 | 1 | 11 |
| 1,2-Dibromoethane | 5.00 | 5.32 | | ug/L | | 106 | 75 - 120 | 2 | 17 |
| 1,2-Dichloroethane | 5.00 | 4.26 | | ug/L | | 85 | 58 - 155 | 1 | 11 |
| 1,4-Dichlorobenzene | 5.00 | 5.19 | | ug/L | | 104 | 75 - 130 | 2 | 35 |
| Benzene | 5.00 | 4.54 | | ug/L | | 91 | 71 - 137 | 1 | 10 |
| Bromodichloromethane | 5.00 | 4.56 | | ug/L | | 91 | 61 - 150 | 1 | 10 |
| Bromoform | 5.00 | 5.84 | | ug/L | | 117 | 55 - 130 | 4 | 14 |
| Bromomethane | 5.00 | 5.31 | | ug/L | | 106 | 69 - 137 | 1 | 16 |
| Chloroform | 5.00 | 4.58 | | ug/L | | 92 | 65 - 150 | 1 | 10 |
| cis-1,3-Dichloropropene | 5.00 | 4.67 | | ug/L | | 93 | 61 - 140 | 6 | 30 |
| Dibromochloromethane | 5.00 | 5.59 | | ug/L | | 112 | 71 - 120 | 4 | 21 |
| Dibromomethane | 5.00 | 5.68 | | ug/L | | 114 | 67 - 126 | 1 | 15 |
| Hexachlorobutadiene | 5.00 | 5.34 | | ug/L | | 107 | 73 - 139 | 2 | 19 |
| Naphthalene | 5.00 | 5.44 | | ug/L | | 109 | 69 - 134 | 4 | 13 |
| Tetrachloroethene | 5.00 | 5.45 | | ug/L | | 109 | 63 - 134 | 2 | 20 |
| trans-1,3-Dichloropropene | 5.00 | 4.72 | | ug/L | | 94 | 62 - 133 | 7 | 30 |
| Trichloroethene | 5.00 | 5.72 | | ug/L | | 114 | 70 - 140 | 0 | 10 |
| Vinyl chloride | 5.00 | 3.38 | | ug/L | | 68 | 56 - 150 | 2 | 16 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 1,2-Dichloroethane-d4 (Surr) | 91 | | 48 - 150 |
| 4-Bromofluorobenzene (Surr) | 108 | | 75 - 120 |
| Dibromofluoromethane (Surr) | 107 | | 80 - 120 |
| Toluene-d8 (Surr) | 97 | | 75 - 120 |
| Trifluorotoluene (Surr) | 116 | | 80 - 120 |

Method: AK101 - Alaska - Gasoline Range Organics (GC)

Lab Sample ID: MB 580-316277/7

Matrix: Water

Analysis Batch: 316277

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 0.25 | 0.10 | mg/L | | | 11/07/19 14:03 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | MB Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|-----------|----------|----------------|---------|
| Trifluorotoluene (Surr) | 91 | | 50 - 150 | | 11/07/19 14:03 | 1 |
| 4-Bromofluorobenzene (Surr) | 95 | | 50 - 150 | | 11/07/19 14:03 | 1 |

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: AK101 - Alaska - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCS 580-316277/8
Matrix: Water
Analysis Batch: 316277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--|-------------|------------------|------------------|------|---|------|---------------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.06 | | mg/L | | 106 | 77 - 123 |
| Surrogate | | LCS | LCS | | | | Limits |
| | | %Recovery | Qualifier | | | | |
| Trifluorotoluene (Surr) | | 103 | | | | | 50 - 150 |
| 4-Bromofluorobenzene (Surr) | | 110 | | | | | 50 - 150 |

Lab Sample ID: LCSD 580-316277/9
Matrix: Water
Analysis Batch: 316277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|------------------|------------------|------|---|------|---------------|-----|-----------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.01 | | mg/L | | 101 | 77 - 123 | 5 | 20 |
| Surrogate | | LCSD | LCSD | | | | Limits | | |
| | | %Recovery | Qualifier | | | | | | |
| Trifluorotoluene (Surr) | | 95 | | | | | 50 - 150 | | |
| 4-Bromofluorobenzene (Surr) | | 105 | | | | | 50 - 150 | | |

Lab Sample ID: MB 580-316280/29
Matrix: Water
Analysis Batch: 316280

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|------------------|------------------|------|------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 0.25 | 0.10 | mg/L | | | 11/07/19 22:55 | 1 |
| Surrogate | | MB | | | | | | Analyzed | Dil Fac |
| | | %Recovery | Qualifier | | | | Prepared | | |
| | | | Limits | | | | | | |
| Trifluorotoluene (Surr) | | 90 | | | | | | 11/07/19 22:55 | 1 |
| 4-Bromofluorobenzene (Surr) | | 99 | | | | | | 11/07/19 22:55 | 1 |

Lab Sample ID: LCS 580-316280/30
Matrix: Water
Analysis Batch: 316280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--|-------------|------------------|------------------|------|---|------|---------------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.04 | | mg/L | | 104 | 77 - 123 |
| Surrogate | | LCS | LCS | | | | Limits |
| | | %Recovery | Qualifier | | | | |
| Trifluorotoluene (Surr) | | 104 | | | | | 50 - 150 |
| 4-Bromofluorobenzene (Surr) | | 114 | | | | | 50 - 150 |

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: AK101 - Alaska - Gasoline Range Organics (GC) (Continued)

Lab Sample ID: LCSD 580-316280/31
Matrix: Water
Analysis Batch: 316280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|------------------|------------------|------|---|------|--------------|-----|---------------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 0.960 | | mg/L | | 96 | 77 - 123 | 8 | 20 |
| Surrogate | | LCS | LCS | | | | | | |
| | | %Recovery | Qualifier | | | | | | Limits |
| Trifluorotoluene (Surr) | | 91 | | | | | | | 50 - 150 |
| 4-Bromofluorobenzene (Surr) | | 101 | | | | | | | 50 - 150 |

Lab Sample ID: MB 580-316476/7
Matrix: Water
Analysis Batch: 316476

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-----------|------------------|------------------|------|------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO) -C6-C10 | ND | | 0.25 | 0.10 | mg/L | | | 11/11/19 12:39 | 1 |
| Surrogate | | MB | | | | | Prepared | Analyzed | Dil Fac |
| | | %Recovery | Qualifier | | | | | | |
| Trifluorotoluene (Surr) | | 100 | | | | | | 11/11/19 12:39 | 1 |
| 4-Bromofluorobenzene (Surr) | | 106 | | | | | | 11/11/19 12:39 | 1 |

Lab Sample ID: LCS 580-316476/8
Matrix: Water
Analysis Batch: 316476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|------------------|------------------|------|---|------|--------------|-----|---------------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.09 | | mg/L | | 109 | 77 - 123 | | |
| Surrogate | | LCS | LCS | | | | | | |
| | | %Recovery | Qualifier | | | | | | Limits |
| Trifluorotoluene (Surr) | | 108 | | | | | | | 50 - 150 |
| 4-Bromofluorobenzene (Surr) | | 117 | | | | | | | 50 - 150 |

Lab Sample ID: LCSD 580-316476/9
Matrix: Water
Analysis Batch: 316476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|------------------|------------------|------|---|------|--------------|-----|---------------|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 0.986 | | mg/L | | 99 | 77 - 123 | 10 | 20 |
| Surrogate | | LCS | LCS | | | | | | |
| | | %Recovery | Qualifier | | | | | | Limits |
| Trifluorotoluene (Surr) | | 93 | | | | | | | 50 - 150 |
| 4-Bromofluorobenzene (Surr) | | 103 | | | | | | | 50 - 150 |

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-316714/3-A
Matrix: Water
Analysis Batch: 316916

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316714

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 1,2,3-Trichloropropane | ND | | 0.030 | 0.0080 | ug/L | | 11/13/19 11:59 | 11/15/19 13:32 | 1 |
| Ethylene Dibromide | ND | | 0.010 | 0.0020 | ug/L | | 11/13/19 11:59 | 11/15/19 13:32 | 1 |
| Surrogate | MB | MB | Limits | | | D | Prepared | Analyzed | Dil Fac |
| | %Recovery | Qualifier | | | | | | | |
| 1,2-Dibromopropane | 116 | | 60 - 140 | | | | 11/13/19 11:59 | 11/15/19 13:32 | 1 |

Lab Sample ID: LCS 580-316714/4-A
Matrix: Water
Analysis Batch: 316916

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316714

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | Limits |
|------------------------|-------------|-----------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| 1,2,3-Trichloropropane | 0.0571 | 0.0787 | | ug/L | | 138 | 60 - 140 |
| Ethylene Dibromide | 0.0571 | 0.0775 | | ug/L | | 136 | 60 - 140 |
| Surrogate | LCS | LCS | Limits | | | | |
| | %Recovery | Qualifier | | | | | |
| 1,2-Dibromopropane | 122 | | 60 - 140 | | | | |

Lab Sample ID: LCSD 580-316714/5-A
Matrix: Water
Analysis Batch: 316916

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316714

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | Limits | RPD | Limit |
|------------------------|-------------|-----------|-----------|------|---|------|----------|-----|-------|
| | | Result | Qualifier | | | | | | |
| 1,2,3-Trichloropropane | 0.0571 | 0.0797 | | ug/L | | 139 | 60 - 140 | 1 | 20 |
| Ethylene Dibromide | 0.0571 | 0.0713 | | ug/L | | 125 | 60 - 140 | 8 | 20 |
| Surrogate | LCSD | LCSD | Limits | | | | | | |
| | %Recovery | Qualifier | | | | | | | |
| 1,2-Dibromopropane | 107 | | 60 - 140 | | | | | | |

Lab Sample ID: LLCS 580-316714/6-A
Matrix: Water
Analysis Batch: 316916

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316714

| Analyte | Spike Added | LLCS | LLCS | Unit | D | %Rec | Limits |
|------------------------|-------------|-----------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| 1,2,3-Trichloropropane | 0.0114 | 0.0130 | J | ug/L | | 114 | 60 - 140 |
| Ethylene Dibromide | 0.0114 | 0.00996 | J | ug/L | | 87 | 60 - 140 |
| Surrogate | LLCS | LLCS | Limits | | | | |
| | %Recovery | Qualifier | | | | | |
| 1,2-Dibromopropane | 111 | | 60 - 140 | | | | |

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC)

Lab Sample ID: MB 580-316768/1-A
Matrix: Water
Analysis Batch: 316875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316768

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| DRO (nC10-<nc25) | ND | | 0.11 | 0.075 | mg/L | | 11/14/19 08:51 | 11/14/19 17:31 | 1 |

Eurofins TestAmerica, Seattle

QC Sample Results

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Method: AK102 & 103 - Alaska - Diesel Range Organics & Residual Range Organics (GC) (Continued)

Lab Sample ID: MB 580-316768/1-A
Matrix: Water
Analysis Batch: 316875

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 316768

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| <i>o</i> -Terphenyl | 84 | | 50 - 150 | 11/14/19 08:51 | 11/14/19 17:31 | 1 |

Lab Sample ID: LCS 580-316768/2-A
Matrix: Water
Analysis Batch: 316875

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 316768

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits | %Rec. |
|---------------------|-------------|------------|---------------|------|---|------|----------|-------|
| | | | | | | | | |
| DRO (nC10-<nC25) | 2.00 | 1.63 | | mg/L | | 82 | 75 - 125 | |
| Surrogate | LCS LCS | | Limits | | | | | |
| %Recovery | Qualifier | | | | | | | |
| <i>o</i> -Terphenyl | 77 | | 50 - 150 | | | | | |

Lab Sample ID: LCSD 580-316768/3-A
Matrix: Water
Analysis Batch: 316875

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 316768

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----------|
| | | | | | | | | | |
| DRO (nC10-<nC25) | 2.00 | 1.57 | | mg/L | | 79 | 75 - 125 | 4 | 20 |
| Surrogate | LCSD LCSD | | Limits | | | | | | |
| %Recovery | Qualifier | | | | | | | | |
| <i>o</i> -Terphenyl | 77 | | 50 - 150 | | | | | | |

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

GC/MS VOA

Analysis Batch: 316242

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-1 | EQB-1-W-191104 | Total/NA | Water | 8260C | |
| 580-90546-2 | MW-8-W-191104 | Total/NA | Water | 8260C | |
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | 8260C | |
| 580-90546-4 | BD-1-W-191104 | Total/NA | Water | 8260C | |
| 580-90546-5 | Trip Blank-W-191104 | Total/NA | Water | 8260C | |
| MB 580-316242/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 580-316242/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 580-316242/5 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

Analysis Batch: 316581

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|-----------|------------|
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | 8260C SIM | |
| 580-90546-5 | Trip Blank-W-191104 | Total/NA | Water | 8260C SIM | |
| MB 580-316581/7 | Method Blank | Total/NA | Water | 8260C SIM | |
| LCS 580-316581/4 | Lab Control Sample | Total/NA | Water | 8260C SIM | |
| LCSD 580-316581/5 | Lab Control Sample Dup | Total/NA | Water | 8260C SIM | |

GC VOA

Analysis Batch: 316277

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-5 | Trip Blank-W-191104 | Total/NA | Water | AK101 | |
| MB 580-316277/7 | Method Blank | Total/NA | Water | AK101 | |
| LCS 580-316277/8 | Lab Control Sample | Total/NA | Water | AK101 | |
| LCSD 580-316277/9 | Lab Control Sample Dup | Total/NA | Water | AK101 | |

Analysis Batch: 316280

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-2 | MW-8-W-191104 | Total/NA | Water | AK101 | |
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | AK101 | |
| 580-90546-4 | BD-1-W-191104 | Total/NA | Water | AK101 | |
| MB 580-316280/29 | Method Blank | Total/NA | Water | AK101 | |
| LCS 580-316280/30 | Lab Control Sample | Total/NA | Water | AK101 | |
| LCSD 580-316280/31 | Lab Control Sample Dup | Total/NA | Water | AK101 | |

Analysis Batch: 316476

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-1 | EQB-1-W-191104 | Total/NA | Water | AK101 | |
| MB 580-316476/7 | Method Blank | Total/NA | Water | AK101 | |
| LCS 580-316476/8 | Lab Control Sample | Total/NA | Water | AK101 | |
| LCSD 580-316476/9 | Lab Control Sample Dup | Total/NA | Water | AK101 | |

GC Semi VOA

Prep Batch: 316714

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | 8011 | |
| 580-90546-5 | Trip Blank-W-191104 | Total/NA | Water | 8011 | |
| MB 580-316714/3-A | Method Blank | Total/NA | Water | 8011 | |
| LCS 580-316714/4-A | Lab Control Sample | Total/NA | Water | 8011 | |
| LCSD 580-316714/5-A | Lab Control Sample Dup | Total/NA | Water | 8011 | |
| LLCS 580-316714/6-A | Lab Control Sample | Total/NA | Water | 8011 | |

Eurofins TestAmerica, Seattle

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

GC Semi VOA

Prep Batch: 316768

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-1 | EQB-1-W-191104 | Total/NA | Water | 3510C | |
| 580-90546-2 | MW-8-W-191104 | Total/NA | Water | 3510C | |
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | 3510C | |
| 580-90546-4 | BD-1-W-191104 | Total/NA | Water | 3510C | |
| MB 580-316768/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 580-316768/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 580-316768/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |

Analysis Batch: 316875

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 580-90546-1 | EQB-1-W-191104 | Total/NA | Water | AK102 & 103 | 316768 |
| 580-90546-2 | MW-8-W-191104 | Total/NA | Water | AK102 & 103 | 316768 |
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | AK102 & 103 | 316768 |
| 580-90546-4 | BD-1-W-191104 | Total/NA | Water | AK102 & 103 | 316768 |
| MB 580-316768/1-A | Method Blank | Total/NA | Water | AK102 & 103 | 316768 |
| LCS 580-316768/2-A | Lab Control Sample | Total/NA | Water | AK102 & 103 | 316768 |
| LCSD 580-316768/3-A | Lab Control Sample Dup | Total/NA | Water | AK102 & 103 | 316768 |

Analysis Batch: 316916

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 580-90546-3 | MW-10-W-191104 | Total/NA | Water | 8011 | 316714 |
| 580-90546-5 | Trip Blank-W-191104 | Total/NA | Water | 8011 | 316714 |
| MB 580-316714/3-A | Method Blank | Total/NA | Water | 8011 | 316714 |
| LCS 580-316714/4-A | Lab Control Sample | Total/NA | Water | 8011 | 316714 |
| LCSD 580-316714/5-A | Lab Control Sample Dup | Total/NA | Water | 8011 | 316714 |
| LLCS 580-316714/6-A | Lab Control Sample | Total/NA | Water | 8011 | 316714 |

Lab Chronicle

Client: ARCADIS U.S. Inc
 Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: EQB-1-W-191104

Lab Sample ID: 580-90546-1

Date Collected: 11/04/19 08:30

Matrix: Water

Date Received: 11/04/19 16:25

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 316242 | 11/07/19 13:05 | T1W | TAL SEA |
| Total/NA | Analysis | AK101 | | 1 | 316476 | 11/11/19 14:39 | DCV | TAL SEA |
| Total/NA | Prep | 3510C | | | 316768 | 11/14/19 08:51 | NRF | TAL SEA |
| Total/NA | Analysis | AK102 & 103 | | 1 | 316875 | 11/14/19 18:32 | JCM | TAL SEA |

Client Sample ID: MW-8-W-191104

Lab Sample ID: 580-90546-2

Date Collected: 11/04/19 12:00

Matrix: Water

Date Received: 11/04/19 16:25

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 316242 | 11/07/19 14:21 | T1W | TAL SEA |
| Total/NA | Analysis | AK101 | | 1 | 316280 | 11/08/19 01:44 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | | | 316768 | 11/14/19 08:51 | NRF | TAL SEA |
| Total/NA | Analysis | AK102 & 103 | | 1 | 316875 | 11/14/19 18:52 | JCM | TAL SEA |

Client Sample ID: MW-10-W-191104

Lab Sample ID: 580-90546-3

Date Collected: 11/04/19 14:00

Matrix: Water

Date Received: 11/04/19 16:25

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 316242 | 11/07/19 14:47 | T1W | TAL SEA |
| Total/NA | Analysis | 8260C SIM | | 1 | 316581 | 11/12/19 18:22 | CJ | TAL SEA |
| Total/NA | Analysis | AK101 | | 1 | 316280 | 11/08/19 02:32 | W1T | TAL SEA |
| Total/NA | Prep | 8011 | | | 316714 | 11/13/19 11:59 | FCG | TAL SEA |
| Total/NA | Analysis | 8011 | | 1 | 316916 | 11/15/19 14:52 | CJB | TAL SEA |
| Total/NA | Prep | 3510C | | | 316768 | 11/14/19 08:51 | NRF | TAL SEA |
| Total/NA | Analysis | AK102 & 103 | | 1 | 316875 | 11/14/19 19:12 | JCM | TAL SEA |

Client Sample ID: BD-1-W-191104

Lab Sample ID: 580-90546-4

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 316242 | 11/07/19 15:12 | T1W | TAL SEA |
| Total/NA | Analysis | AK101 | | 1 | 316280 | 11/08/19 02:08 | W1T | TAL SEA |
| Total/NA | Prep | 3510C | | | 316768 | 11/14/19 08:51 | NRF | TAL SEA |
| Total/NA | Analysis | AK102 & 103 | | 1 | 316875 | 11/14/19 19:32 | JCM | TAL SEA |

Client Sample ID: Trip Blank-W-191104

Lab Sample ID: 580-90546-5

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260C | | 1 | 316242 | 11/07/19 12:40 | T1W | TAL SEA |
| Total/NA | Analysis | 8260C SIM | | 1 | 316581 | 11/12/19 16:38 | CJ | TAL SEA |

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Client Sample ID: Trip Blank-W-191104

Lab Sample ID: 580-90546-5

Date Collected: 11/04/19 00:01

Matrix: Water

Date Received: 11/04/19 16:25

| <u>Prep Type</u> | <u>Batch Type</u> | <u>Batch Method</u> | <u>Run</u> | <u>Dilution Factor</u> | <u>Batch Number</u> | <u>Prepared or Analyzed</u> | <u>Analyst</u> | <u>Lab</u> |
|------------------|-------------------|---------------------|------------|------------------------|---------------------|-----------------------------|----------------|------------|
| Total/NA | Analysis | AK101 | | 1 | 316277 | 11/07/19 15:40 | W1T | TAL SEA |
| Total/NA | Prep | 8011 | | | 316714 | 11/13/19 11:59 | FCG | TAL SEA |
| Total/NA | Analysis | 8011 | | 1 | 316916 | 11/15/19 15:27 | CJB | TAL SEA |

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

Laboratory: Eurofins TestAmerica, Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|--------------------|-----------------------|-----------------------|-----------------|
| Alaska (UST) | State | 17-024 | 01-19-22 |
| ANAB | Dept. of Defense ELAP | L2236 | 01-19-22 |
| ANAB | ISO/IEC 17025 | L2236 | 01-19-22 |
| Montana (UST) | State | NA | 04-13-21 |
| Oregon | NELAP | WA100007 | 11-06-20 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-17-00039 | 02-10-20 |
| Washington | State | C553 | 02-17-20 |

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

| Method | Method Description | Protocol | Laboratory |
|-------------|---|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | TAL SEA |
| 8260C SIM | Volatile Organic Compounds (GC/MS) | SW846 | TAL SEA |
| AK101 | Alaska - Gasoline Range Organics (GC) | ADEC | TAL SEA |
| 8011 | EDB and DBCP in Water by Microextraction | EPA | TAL SEA |
| AK102 & 103 | Alaska - Diesel Range Organics & Residual Range Organics (GC) | ADEC | TAL SEA |
| 3510C | Liquid-Liquid Extraction (Separatory Funnel) | SW846 | TAL SEA |
| 5030B | Purge and Trap | SW846 | TAL SEA |
| 8011 | Microextraction | SW846 | TAL SEA |

Protocol References:

ADEC = Alaska Department of Environmental Conservation

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Chevron Site 95414 Anchorage, Alaska

Job ID: 580-90546-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|---------------------|--------|----------------|----------------|----------|
| 580-90546-1 | EQB-1-W-191104 | Water | 11/04/19 08:30 | 11/04/19 16:25 | |
| 580-90546-2 | MW-8-W-191104 | Water | 11/04/19 12:00 | 11/04/19 16:25 | |
| 580-90546-3 | MW-10-W-191104 | Water | 11/04/19 14:00 | 11/04/19 16:25 | |
| 580-90546-4 | BD-1-W-191104 | Water | 11/04/19 00:01 | 11/04/19 16:25 | |
| 580-90546-5 | Trip Blank-W-191104 | Water | 11/04/19 00:01 | 11/04/19 16:25 | |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 312702Lab Sample ID: IC 580-312702/3 Client Sample ID: _____Date Analyzed: 09/30/19 12:47 Lab File ID: 093019003.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Isopropyl alcohol | 4.28 | Incomplete Integration | limwirojt | 10/01/19 11:26 |
| Acetonitrile | 4.44 | Incomplete Integration | limwirojt | 10/01/19 11:26 |
| t-Butyl alcohol | 5.09 | Incomplete Integration | limwirojt | 10/01/19 11:27 |
| n-Heptane | 8.76 | Incomplete Integration | limwirojt | 10/01/19 11:27 |
| Chloroethane | | Invalid Compound ID | limwirojt | 10/01/19 11:29 |
| Chlorobenzene | 11.73 | Peak assignment corrected | limwirojt | 10/01/19 11:28 |
| 1,4-Dichlorobenzene | 13.64 | Peak assignment corrected | limwirojt | 10/01/19 11:28 |
| 1,2,3-Trimethylbenzene | 13.65 | Peak assignment corrected | limwirojt | 10/01/19 11:28 |

Lab Sample ID: IC 580-312702/4 Client Sample ID: _____Date Analyzed: 09/30/19 13:12 Lab File ID: 093019004.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|------------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Butadiene | 2.17 | Baseline | limwirojt | 10/01/19 11:23 |
| Bromomethane | 2.55 | Baseline | limwirojt | 10/01/19 11:23 |
| Trichlorofluoromethane | 3.05 | Baseline | limwirojt | 10/01/19 11:23 |
| Isopropyl alcohol | 4.24 | Baseline | limwirojt | 10/01/19 11:24 |
| Acetonitrile | 4.43 | Baseline | limwirojt | 10/01/19 11:24 |
| t-Butyl alcohol | 5.05 | Incomplete Integration | limwirojt | 10/01/19 11:24 |
| Chlorobenzene | 11.73 | Incomplete Integration | limwirojt | 10/01/19 11:25 |
| 1,4-Dichlorobenzene | 13.64 | Incomplete Integration | limwirojt | 10/01/19 11:25 |
| 1,2,3-Trimethylbenzene | 13.66 | Incomplete Integration | limwirojt | 10/01/19 11:25 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 312702

Lab Sample ID: IC 580-312702/5 Client Sample ID: _____

Date Analyzed: 09/30/19 15:39 Lab File ID: 093019006.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------|----------------|--------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Acetonitrile | 4.45 | Assign Peak | limwirojt | 10/01/19 11:21 |
| Chlorobenzene | 11.73 | Assign Peak | limwirojt | 10/01/19 11:22 |
| 1,4-Dichlorobenzene | 13.64 | Assign Peak | limwirojt | 10/01/19 11:22 |

Lab Sample ID: IC 580-312702/7 Client Sample ID: _____

Date Analyzed: 09/30/19 16:29 Lab File ID: 093019008.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|--------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Acetonitrile | 4.45 | Assign Peak | limwirojt | 10/01/19 11:14 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 312702Lab Sample ID: ICIS 580-312702/8 Client Sample ID: _____Date Analyzed: 09/30/19 16:54 Lab File ID: 093019009.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------------------------|----------------|---------------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Dichlorodifluoromethane | 1.79 | Peak assignment corrected | himelickm | 09/30/19 17:21 |
| Chloromethane | 2.00 | Peak assignment corrected | himelickm | 09/30/19 17:21 |
| Vinyl chloride | 2.15 | Peak assignment corrected | himelickm | 09/30/19 17:16 |
| Bromomethane | 2.55 | Peak assignment corrected | himelickm | 09/30/19 17:16 |
| Dichlorofluoromethane | 3.03 | Peak assignment corrected | himelickm | 09/30/19 17:17 |
| Trichlorofluoromethane | 3.05 | Peak assignment corrected | himelickm | 09/30/19 17:17 |
| Acrolein | 3.68 | Peak assignment corrected | himelickm | 09/30/19 17:16 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 3.88 | Peak assignment corrected | himelickm | 09/30/19 17:21 |
| Iodomethane | 4.04 | Peak assignment corrected | himelickm | 09/30/19 17:22 |
| Carbon disulfide | 4.13 | Peak assignment corrected | himelickm | 09/30/19 17:22 |
| Methylene Chloride | 4.73 | Peak assignment corrected | himelickm | 09/30/19 17:22 |
| Acrylonitrile | 5.23 | Peak assignment corrected | himelickm | 09/30/19 17:22 |
| trans-1,2-Dichloroethene | 5.26 | Peak assignment corrected | himelickm | 09/30/19 17:22 |
| Hexane | 5.83 | Peak assignment corrected | himelickm | 09/30/19 17:17 |

Lab Sample ID: IC 580-312702/10 Client Sample ID: _____Date Analyzed: 09/30/19 17:42 Lab File ID: 093019011.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|--------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Acetonitrile | 4.42 | Assign Peak | limwirojt | 10/01/19 11:09 |

Lab Sample ID: IC 580-312702/11 Client Sample ID: _____Date Analyzed: 09/30/19 18:07 Lab File ID: 093019012.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|--------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Acetonitrile | 4.42 | Assign Peak | limwirojt | 10/01/19 11:10 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 312702

Lab Sample ID: IC 580-312702/12 Client Sample ID: _____

Date Analyzed: 09/30/19 18:33 Lab File ID: 093019013.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|--------------------|-----------|----------------|
| | | REASON | ANALYST | DATE |
| Acetonitrile | 4.42 | Assign Peak | limwirojt | 10/01/19 11:12 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 316242Lab Sample ID: CCVIS 580-316242/3 Client Sample ID: _____Date Analyzed: 11/07/19 10:34 Lab File ID: 110719003.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|---------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Acetonitrile | 4.43 | Peak assignment corrected | wongsakul t | 11/08/19 11:16 |

Lab Sample ID: CCVL 580-316242/6 Client Sample ID: _____Date Analyzed: 11/07/19 11:49 Lab File ID: 110719006.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------------|----------------|---------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Dichlorodifluoromethane | 1.79 | Peak assignment corrected | wongsakul t | 11/08/19 11:20 |
| Isopropyl alcohol | 4.25 | Peak assignment corrected | wongsakul t | 11/08/19 11:20 |
| Acetonitrile | 4.44 | Peak assignment corrected | wongsakul t | 11/08/19 11:20 |
| n-Heptane | 8.77 | Peak assignment corrected | wongsakul t | 11/08/19 11:21 |
| Chlorobenzene | 11.73 | Peak assignment corrected | wongsakul t | 11/08/19 11:21 |
| trans-1,4-Dichloro-2-butene | 12.82 | Peak assignment corrected | wongsakul t | 11/08/19 11:21 |
| 1,4-Dichlorobenzene | 13.64 | Peak assignment corrected | wongsakul t | 11/08/19 11:21 |
| 1,2,3-Trimethylbenzene | 13.66 | Peak assignment corrected | wongsakul t | 11/08/19 11:21 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 316242Lab Sample ID: MB 580-316242/7 Client Sample ID: _____Date Analyzed: 11/07/19 12:15 Lab File ID: 110719007.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,4-Trichlorobenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:23 |
| 1,2,4-Trimethylbenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:23 |
| Acetone | | Invalid Compound ID | wongsakul t | 11/08/19 11:22 |
| Benzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:23 |
| Carbon disulfide | | Invalid Compound ID | wongsakul t | 11/08/19 11:22 |
| Ethylbenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:23 |
| m-Xylene & p-Xylene | | Invalid Compound ID | wongsakul t | 11/08/19 11:23 |

Lab Sample ID: 580-90546-5 Client Sample ID: Trip Blank-W-191104Date Analyzed: 11/07/19 12:40 Lab File ID: 110719008.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------|----------------|---------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Acetone | | Invalid Compound ID | wongsakul t | 11/08/19 11:24 |
| Carbon disulfide | | Invalid Compound ID | wongsakul t | 11/08/19 11:24 |
| Ethylbenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:24 |
| m-Xylene & p-Xylene | | Invalid Compound ID | wongsakul t | 11/08/19 11:24 |
| Toluene | | Invalid Compound ID | wongsakul t | 11/08/19 11:24 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Analysis Batch Number: 316242Lab Sample ID: 580-90546-1 Client Sample ID: EQB-1-W-191104Date Analyzed: 11/07/19 13:05 Lab File ID: 110719009.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------|----------------|---------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Benzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:25 |
| m-Xylene & p-Xylene | | Invalid Compound ID | wongsakul t | 11/08/19 11:25 |
| o-Xylene | | Invalid Compound ID | wongsakul t | 11/08/19 11:25 |
| Toluene | | Invalid Compound ID | wongsakul t | 11/08/19 11:25 |

Lab Sample ID: 580-90546-3 Client Sample ID: MW-10-W-191104Date Analyzed: 11/07/19 14:47 Lab File ID: 110719013.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,4-Trimethylbenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:35 |
| Chloromethane | | Invalid Compound ID | wongsakul t | 11/08/19 11:35 |
| Ethylbenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:35 |
| m-Xylene & p-Xylene | | Invalid Compound ID | wongsakul t | 11/08/19 11:35 |
| N-Propylbenzene | | Invalid Compound ID | wongsakul t | 11/08/19 11:35 |
| Toluene | | Invalid Compound ID | wongsakul t | 11/08/19 11:35 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC036 Analysis Batch Number: 315729

Lab Sample ID: ICV 580-315729/13 Client Sample ID: _____

Date Analyzed: 11/01/19 15:16 Lab File ID: 110119_0013.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------------|----------------|------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Vinyl chloride | 4.55 | Peak Tail | ruslander a | 11/01/19 15:37 |
| Butadiene | 4.64 | Peak Tail | ruslander a | 11/01/19 15:37 |
| Bromomethane | 5.05 | Peak Tail | ruslander a | 11/01/19 15:37 |
| 1,1,1,2-Tetrachloroethane | 12.15 | Peak Tail | ruslander a | 11/01/19 15:37 |
| 1,4-Dichlorobenzene | 14.52 | Incomplete Integration | ruslander a | 11/01/19 15:37 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC036 Analysis Batch Number: 316581Lab Sample ID: CCVIS 580-316581/3 Client Sample ID: _____Date Analyzed: 11/12/19 10:51 Lab File ID: 111219_0003.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------------|----------------|---------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Bromomethane | 5.07 | Peak assignment corrected | ruslander a | 11/12/19 11:21 |
| 1,1,1,2-Tetrachloroethane | 12.15 | Peak assignment corrected | ruslander a | 11/12/19 11:21 |

Lab Sample ID: LCS 580-316581/4 Client Sample ID: _____Date Analyzed: 11/12/19 11:17 Lab File ID: 111219_0004.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------------|----------------|---------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| Vinyl chloride | 4.55 | Incomplete Integration | ruslander a | 11/12/19 11:45 |
| 1,1,1,2-Tetrachloroethane | 12.15 | Peak assignment corrected | jantanuc | 11/13/19 10:12 |

Lab Sample ID: LCSD 580-316581/5 Client Sample ID: _____Date Analyzed: 11/12/19 11:43 Lab File ID: 111219_0005.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------------|----------------|---------------------------|----------|----------------|
| | | REASON | ANALYST | DATE |
| 1,1,1,2-Tetrachloroethane | 12.15 | Peak assignment corrected | jantanuc | 11/13/19 10:13 |
| 1,4-Dichlorobenzene | 14.52 | Baseline | jantanuc | 11/13/19 10:13 |

Lab Sample ID: CCVL 580-316581/6 Client Sample ID: _____Date Analyzed: 11/12/19 12:09 Lab File ID: 111219_0006.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------------|----------------|---------------------------|----------|----------------|
| | | REASON | ANALYST | DATE |
| 1,1,1,2-Tetrachloroethane | 12.15 | Peak assignment corrected | jantanuc | 11/13/19 10:14 |
| 1,4-Dichlorobenzene | 14.52 | Peak assignment corrected | jantanuc | 11/13/19 10:15 |

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC036 Analysis Batch Number: 316581Lab Sample ID: MB 580-316581/7 Client Sample ID: _____Date Analyzed: 11/12/19 12:35 Lab File ID: 111219_0007.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------------|----------------|--------------------|----------|----------------|
| | | REASON | ANALYST | DATE |
| Hexachlorobutadiene | 16.94 | Baseline | jantanuc | 11/13/19 10:18 |

Lab Sample ID: 580-90546-5 Client Sample ID: Trip Blank-W-191104Date Analyzed: 11/12/19 16:38 Lab File ID: 111219_0016.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|--------------------|----------|----------------|
| | | REASON | ANALYST | DATE |
| Naphthalene | 16.92 | Baseline | jantanuc | 11/13/19 11:22 |

Lab Sample ID: 580-90546-3 Client Sample ID: MW-10-W-191104Date Analyzed: 11/12/19 18:22 Lab File ID: 111219_0020.D GC Column: DB-VRX ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|---------------|----------------|--------------------|----------|----------------|
| | | REASON | ANALYST | DATE |
| Naphthalene | 16.92 | Baseline | jantanuc | 11/13/19 11:40 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 311558Lab Sample ID: IC 580-311558/3 Client Sample ID: _____Date Analyzed: 09/18/19 13:10 Lab File ID: 46I091819a005.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromoethane | 4.79 | Baseline Smoothing | bohnc | 09/18/19 16:27 |
| 1,2,3-Trichloropropane | 5.48 | Baseline Smoothing | bohnc | 09/18/19 17:01 |

Lab Sample ID: IC 580-311558/4 Client Sample ID: _____Date Analyzed: 09/18/19 13:30 Lab File ID: 46I091819a006.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.48 | Split Peak | bohnc | 09/18/19 17:02 |

Lab Sample ID: IC 580-311558/4 Client Sample ID: _____Date Analyzed: 09/18/19 13:30 Lab File ID: 46I091819a006.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------------|----------------|------------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromo-3-Chloropropane | 6.44 | Incomplete Integration | bohnc | 09/18/19 16:15 |

Lab Sample ID: IC 580-311558/5 Client Sample ID: _____Date Analyzed: 09/18/19 13:46 Lab File ID: 46I091819a007.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromopropane | 5.06 | Baseline Smoothing | bohnc | 09/19/19 10:29 |
| 1,2,3-Trichloropropane | 5.49 | Split Peak | bohnc | 09/18/19 17:03 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 311558Lab Sample ID: IC 580-311558/5 Client Sample ID: _____Date Analyzed: 09/18/19 13:46 Lab File ID: 46I091819a007.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------------|----------------|------------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromoethane | 4.75 | Baseline Smoothing | bohnc | 09/19/19 10:23 |
| 1,2,3-Trichloropropane | 5.36 | Baseline Smoothing | bohnc | 09/18/19 16:13 |
| 1,2-Dibromo-3-Chloropropane | 6.44 | Incomplete Integration | bohnc | 09/18/19 16:16 |

Lab Sample ID: IC 580-311558/6 Client Sample ID: _____Date Analyzed: 09/18/19 14:03 Lab File ID: 46I091819a008.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromopropane | 5.06 | Baseline Smoothing | bohnc | 09/19/19 10:27 |
| 1,2,3-Trichloropropane | 5.49 | Split Peak | bohnc | 09/19/19 10:23 |

Lab Sample ID: IC 580-311558/6 Client Sample ID: _____Date Analyzed: 09/18/19 14:03 Lab File ID: 46I091819a008.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.36 | Baseline Smoothing | bohnc | 09/18/19 16:13 |

Lab Sample ID: IC 580-311558/7 Client Sample ID: _____Date Analyzed: 09/18/19 14:19 Lab File ID: 46I091819a009.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.49 | Baseline Smoothing | bohnc | 09/19/19 10:24 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 311558

Lab Sample ID: ICIS 580-311558/8 Client Sample ID: _____

Date Analyzed: 09/18/19 14:35 Lab File ID: 46I091819a010.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.49 | Baseline Smoothing | bohnc | 09/19/19 10:25 |

Lab Sample ID: ICIS 580-311558/8 Client Sample ID: _____

Date Analyzed: 09/18/19 14:35 Lab File ID: 46I091819a010.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|--------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromopropane | 5.06 | Baseline Smoothing | bohnc | 09/18/19 17:09 |

Lab Sample ID: ICV 580-311558/12 Client Sample ID: _____

Date Analyzed: 09/18/19 15:39 Lab File ID: 46I091819a014.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromopropane | 5.06 | Baseline Smoothing | bohnc | 09/18/19 17:13 |
| 1,2,3-Trichloropropane | 5.36 | Baseline Smoothing | bohnc | 09/18/19 17:12 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 316916Lab Sample ID: CCV 580-316714/1-A Client Sample ID: _____Date Analyzed: 11/15/19 13:17 Lab File ID: 46K111519a018.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.49 | Baseline Smoothing | bohnc | 11/15/19 13:46 |
| 1,2-Dibromo-3-Chloropropane | 6.61 | Baseline Smoothing | bohnc | 11/15/19 13:47 |

Lab Sample ID: CCV 580-316714/1-A Client Sample ID: _____Date Analyzed: 11/15/19 13:17 Lab File ID: 46K111519a018.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromoethane | 4.75 | Baseline Smoothing | bohnc | 11/15/19 13:46 |
| 1,2-Dibromo-3-Chloropropane | 6.44 | Baseline Smoothing | bohnc | 11/15/19 13:46 |

Lab Sample ID: MB 580-316714/3-A Client Sample ID: _____Date Analyzed: 11/15/19 13:32 Lab File ID: 46K111519a019.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | | Invalid Compound ID | bohnc | 11/15/19 14:06 |
| 1,2-Dibromoethane | | Invalid Compound ID | bohnc | 11/15/19 14:06 |

Lab Sample ID: MB 580-316714/3-A Client Sample ID: _____Date Analyzed: 11/15/19 13:32 Lab File ID: 46K111519a019.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | | Invalid Compound ID | bohnc | 11/15/19 14:06 |
| 1,2-Dibromoethane | | Invalid Compound ID | bohnc | 11/15/19 14:06 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 316916Lab Sample ID: LCS 580-316714/4-A Client Sample ID: _____Date Analyzed: 11/15/19 13:48 Lab File ID: 46K111519a020.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.49 | Baseline Smoothing | bohnc | 11/15/19 14:07 |

Lab Sample ID: LCS 580-316714/4-A Client Sample ID: _____Date Analyzed: 11/15/19 13:48 Lab File ID: 46K111519a020.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|--------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromopropane | 5.07 | Baseline Smoothing | bohnc | 11/15/19 14:10 |

Lab Sample ID: LCSD 580-316714/5-A Client Sample ID: _____Date Analyzed: 11/15/19 14:04 Lab File ID: 46K111519a021.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|--------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromopropane | 5.07 | Baseline Smoothing | bohnc | 11/15/19 14:32 |

Lab Sample ID: LLCS 580-316714/6-A Client Sample ID: _____Date Analyzed: 11/15/19 14:20 Lab File ID: 46K111519a022.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromoethane | 4.79 | Baseline Smoothing | bohnc | 11/15/19 14:46 |
| 1,2,3-Trichloropropane | 5.49 | Baseline Smoothing | bohnc | 11/15/19 15:24 |

Lab Sample ID: LLCS 580-316714/6-A Client Sample ID: _____Date Analyzed: 11/15/19 14:20 Lab File ID: 46K111519a022.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|------------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2-Dibromoethane | 4.76 | Baseline Smoothing | bohnc | 11/15/19 14:46 |
| 1,2,3-Trichloropropane | 5.36 | Incomplete Integration | bohnc | 11/15/19 14:45 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 316916

Lab Sample ID: 580-90546-3 Client Sample ID: MW-10-W-191104

Date Analyzed: 11/15/19 14:52 Lab File ID: 46K111519a024.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | | Invalid Compound ID | bohnc | 11/15/19 15:05 |
| 1,2-Dibromoethane | | Invalid Compound ID | bohnc | 11/15/19 15:05 |

Lab Sample ID: 580-90546-3 Client Sample ID: MW-10-W-191104

Date Analyzed: 11/15/19 14:52 Lab File ID: 46K111519a024.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | | Invalid Compound ID | bohnc | 11/15/19 15:05 |
| 1,2-Dibromoethane | | Invalid Compound ID | bohnc | 11/15/19 15:05 |

Lab Sample ID: 580-90546-5 Client Sample ID: Trip Blank-W-191104

Date Analyzed: 11/15/19 15:27 Lab File ID: 46K111519a025.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | | Invalid Compound ID | bohnc | 11/15/19 15:45 |
| 1,2-Dibromoethane | | Invalid Compound ID | bohnc | 11/15/19 15:45 |

Lab Sample ID: 580-90546-5 Client Sample ID: Trip Blank-W-191104

Date Analyzed: 11/15/19 15:27 Lab File ID: 46K111519a025.D GC Column: RTX-VRX ID: 0.45 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|---------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | | Invalid Compound ID | bohnc | 11/15/19 15:45 |
| 1,2-Dibromoethane | | Invalid Compound ID | bohnc | 11/15/19 15:45 |

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Analysis Batch Number: 316916Lab Sample ID: CCV 580-316714/1-A Client Sample ID: _____Date Analyzed: 11/15/19 16:30 Lab File ID: 46K111519a029.D GC Column: ZB-624short ID: 0.18 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------------|-------------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| 1,2,3-Trichloropropane | 5.49 | Baseline Smoothing | bohnc | 11/16/19 15:32 |
| 1,2-Dibromo-3-Chloropropane | 6.61 | Baseline Smoothing | bohnc | 11/16/19 15:35 |

DIESEL RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattl Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC020 Analysis Batch Number: 309293

Lab Sample ID: IC 580-309293/3 Client Sample ID: _____

Date Analyzed: 08/26/19 15:03 Lab File ID: 082419a_003z.D GC Column: ZB-1HT ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-------------------|----------------|------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| o-Terphenyl | 3.85 | Incomplete Integration | mohammedj c | 08/26/19 19:04 |
| n-Triacontane-d62 | 6.29 | Incomplete Integration | mohammedj c | 08/26/19 19:02 |

Lab Sample ID: IC 580-309293/4 Client Sample ID: _____

Date Analyzed: 08/26/19 15:23 Lab File ID: 082419a_004z.D GC Column: ZB-1HT ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-------------------|----------------|------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| o-Terphenyl | 3.82 | Incomplete Integration | mohammedj c | 08/26/19 19:03 |
| n-Triacontane-d62 | 6.18 | Incomplete Integration | mohammedj c | 08/26/19 19:05 |

Lab Sample ID: IC 580-309293/5 Client Sample ID: _____

Date Analyzed: 08/26/19 15:43 Lab File ID: 082419a_005z.D GC Column: ZB-1HT ID: 0.25 (mm)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-------------------|----------------|------------------------|----------------|----------------|
| | | REASON | ANALYST | DATE |
| n-Triacontane-d62 | 6.15 | Incomplete Integration | mohammedj c | 08/26/19 19:05 |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration | |
|----------------------------|-----------------------|-----------|----------------------|----------------------|---------------------|---------------------|-----------------------------|--------------------|-------------|
| | | | | | Reagent ID | Volume Added | | | |
| 504/8011_IC_00105 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 12DBP_Inter_P_00085 | 20 uL | 1,2-Dibromopropane | 400 ug/L | |
| | | | | | 504.1_00010 | 10 uL | 1,2,3-Trichloropropane | 199 ug/L | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 201.5 ug/L | |
| | | | | | | | 1,2-Dibromoethane | 201.5 ug/L | |
| .12DBP_Inter_P_00085 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 8011_12DBP_PS_00018 | 200 uL | 1,2-Dibromopropane | 200 ug/mL | |
| ..8011_12DBP_PS_00018 | 07/31/22 | | Agilent, Lot CS-3364 | | (Purchased Reagent) | | 1,2-Dibromopropane | 10000 ug/mL | |
| .504.1_00010 | 02/28/23 | | Restek, Lot A0135090 | | (Purchased Reagent) | | 1,2,3-Trichloropropane | 199 ug/mL | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 201.5 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 201.5 ug/mL | |
| 504/8011_IC_00106 | 11/15/19 | 10/15/19 | methanol, Lot 196628 | 10 mL | 12DBP_Inter_P_00086 | 20 uL | 1,2-Dibromopropane | 400 ug/L | |
| | | | | | 504.1_00010 | 10 uL | 1,2,3-Trichloropropane | 199 ug/L | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 201.5 ug/L | |
| | | | | | | | 1,2-Dibromoethane | 201.5 ug/L | |
| .12DBP_Inter_P_00086 | 11/15/19 | 10/15/19 | methanol, Lot 196628 | 10 mL | 8011_12DBP_PS_00018 | 200 uL | 1,2-Dibromopropane | 200 ug/mL | |
| ..8011_12DBP_PS_00018 | 07/31/22 | | Agilent, Lot CS-3364 | | (Purchased Reagent) | | 1,2-Dibromopropane | 10000 ug/mL | |
| .504.1_00010 | 02/28/23 | | Restek, Lot A0135090 | | (Purchased Reagent) | | 1,2,3-Trichloropropane | 199 ug/mL | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 201.5 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 201.5 ug/mL | |
| 504/8011_ICL_00034 | 10/10/19 | 09/10/19 | methanol, Lot 196626 | 10 mL | 504/8011_IC_00105 | 1 mL | 1,2-Dibromopropane | 40 ug/L | |
| | | | | | | | 1,2,3-Trichloropropane | 19.9 ug/L | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 20.15 ug/L | |
| | | | | | | | 1,2-Dibromoethane | 20.15 ug/L | |
| .504/8011_IC_00105 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 12DBP_Inter_P_00085 | 20 uL | 1,2-Dibromopropane | 400 ug/L | |
| | | | | | 504.1_00010 | 10 uL | 1,2,3-Trichloropropane | 199 ug/L | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 201.5 ug/L | |
| | | | | | | | 1,2-Dibromoethane | 201.5 ug/L | |
| ..12DBP_Inter_P_00085 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 8011_12DBP_PS_00018 | 200 uL | 1,2-Dibromopropane | 200 ug/mL | |
| ...8011_12DBP_PS_00018 | 07/31/22 | | Agilent, Lot CS-3364 | | (Purchased Reagent) | | 1,2-Dibromopropane | 10000 ug/mL | |
| ..504.1_00010 | 02/28/23 | | Restek, Lot A0135090 | | (Purchased Reagent) | | 1,2,3-Trichloropropane | 199 ug/mL | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 201.5 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 201.5 ug/mL | |
| 504/8011_Sspk_00092 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 504.1_00011 | 10 uL | 1,2,3-Trichloropropane | 200 ug/L | |
| | | | | | | | 1,2-Dibromoethane | 200 ug/L | |
| | | | | | | | 1,2,3-Trichloropropane | 200 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 200 ug/mL | |
| .504.1_00011 | 03/31/22 | | Agilent, Lot CR-0558 | | (Purchased Reagent) | | 1,2,3-Trichloropropane | 200 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 200 ug/mL | |
| 504/8011_Sspk_00093 | 11/15/19 | 10/15/19 | methanol, Lot 196628 | 10 mL | 504.1_00011 | 10 uL | 1,2,3-Trichloropropane | 200 ug/L | |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 200 ug/L | |
| | | | | | | | 1,2-Dibromoethane | 200 ug/L | |
| | | | | | | | 1,2,3-Trichloropropane | 200 ug/mL | |
| .504.1_00011 | 03/31/22 | | Agilent, Lot CR-0558 | | (Purchased Reagent) | | 1,2-Dibromo-3-Chloropropane | 200 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 200 ug/mL | |
| | | | | | | | 1,2-Dibromoethane | 200 ug/mL | |
| 504/8011_Ssur_00092 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 12DBP_Inter_P_00085 | 20 uL | 1,2-Dibromopropane | 400 ug/L | |
| | .12DBP_Inter_P_00085 | 10/10/19 | 09/10/19 | methanol, Lot 196628 | 10 mL | 8011_12DBP_PS_00018 | 200 uL | 1,2-Dibromopropane | 200 ug/mL |
| | ..8011_12DBP_PS_00018 | 07/31/22 | | Agilent, Lot CS-3364 | | (Purchased Reagent) | | 1,2-Dibromopropane | 10000 ug/mL |
| 504/8011_Ssur_00094 | 11/15/19 | 11/05/19 | methanol, Lot 196628 | 10 mL | 12DBP_Inter_P_00086 | 20 uL | 1,2-Dibromopropane | 400 ug/L | |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration | | |
|----------------------------|----------|------------------------------|------------------------------|----------------------|---------------------|--------------|---------------------------------|---------------|------------------------------|------------|
| | | | | | Reagent ID | Volume Added | | | | |
| .12DBP Inter P 00086 | 11/15/19 | 10/15/19 | methanol, Lot 196628 | 10 mL | 8011 12DBP PS 00018 | 200 uL | 1,2-Dibromopropane | 200 ug/mL | | |
| .8011 12DBP PS 00018 | 07/31/22 | | Agilent, Lot CS-3364 | | (Purchased Reagent) | | 1,2-Dibromopropane | 10000 ug/mL | | |
| 5X SUR/IS/TFT_00011 | | | | | | | 1,3-Dichloropropene, Total | | | |
| | | | | | | | TAH | | | |
| | | | | | | | Tentatively Identified Compound | | | |
| | | | | | | | Xylenes, Total | | | |
| | | | | | | | SURR/IS/TFT_00107 | 20 mL | Trifluorotoluene (Surr) | 49.98 ppm |
| | | | | | | | | | 1,2-Dichloroethane-d4 (Surr) | 48.75 ppm |
| | | | | | | | | | 1,4-Dichlorobenzene-d4 | 48.75 ppm |
| | | | | | | | | | 4-Bromofluorobenzene (Surr) | 48.75 ppm |
| | | | | | | | | | BFB | 48.75 ppm |
| | | | | | | | | | Chlorobenzene-d5 | 48.75 ppm |
| .SURR/IS/TFT_00107 | 03/12/20 | 09/11/19 | MeOH, Lot voarsurr/is_00048 | 25 mL | V-TFTStk_00037 | 625 uL | Trifluorotoluene (Surr) | 249.9 ppm | | |
| | | | | | | | VOARSURR/IS_00048 | 24.375 mL | 1,2-Dichloroethane-d4 (Surr) | 243.75 ppm |
| | | | | | | | | | 1,4-Dichlorobenzene-d4 | 243.75 ppm |
| | | | | | | | | | 4-Bromofluorobenzene (Surr) | 243.75 ppm |
| | | | | | | | | | BFB | 243.75 ppm |
| | | | | | | | | | Chlorobenzene-d5 | 243.75 ppm |
| | | | | | | | | | Dibromofluoromethane (Surr) | 243.75 ppm |
| | | | | | | | | | Fluorobenzene (IS) | 243.75 ppm |
| | | | | | | | | | TBA-d9 (IS) | 4875 ppm |
| | | | | | | | | | Toluene-d8 (Surr) | 243.75 ppm |
| .V-TFTStk_00037 | 03/12/20 | 03/12/19 | methanol, Lot 196628 | 50 mL | TFTneat_00014 | 420 uL | Trifluorotoluene (Surr) | 9996 mg/L | | |
| ...TFTneat_00014 | 03/31/21 | | Sigma-Aldrich, Lot STBG2214V | | (Purchased Reagent) | | Trifluorotoluene (Surr) | 1190000 mg/L | | |
| .VOARSURR/IS_00048 | 10/31/22 | | Restek, Lot A0131478 | | | | (Purchased Reagent) | | | |
| | | | | | | | 1,2-Dichloroethane-d4 (Surr) | 250 ug/mL | | |
| | | | | | | | 1,4-Dichlorobenzene-d4 | 250 ug/mL | | |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 250 ug/mL | | |
| | | | | | | | BFB | 250 ug/mL | | |
| | | | | | | | Chlorobenzene-d5 | 250 ug/mL | | |
| | | | | | | | Dibromofluoromethane (Surr) | 250 ug/mL | | |
| | | | | | | | Fluorobenzene (IS) | 250 ug/mL | | |
| | | | | | | | TBA-d9 (IS) | 5000 ug/mL | | |
| | | | | | | | Toluene-d8 (Surr) | 250 ug/mL | | |
| 5X SUR/IS/TFT_00012 | | | | | | | 1,3-Dichloropropene, Total | | | |
| | | | | | | | TAH | | | |
| | | | | | | | Tentatively Identified Compound | | | |
| | | | | | | | Xylenes, Total | | | |
| | | | | | | | SURR/IS/TFT_00106 | 20 mL | Trifluorotoluene (Surr) | 49.98 ppm |
| | | 1,2-Dichloroethane-d4 (Surr) | 48.75 ppm | | | | | | | |
| | | 1,4-Dichlorobenzene-d4 | 48.75 ppm | | | | | | | |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|----------------------------|----------|-----------|------------------------------|----------------------|---------------------|--------------|---------------------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 48.75 ppm |
| | | | | | | | BFB | 48.75 ppm |
| | | | | | | | Chlorobenzene-d5 | 48.75 ppm |
| | | | | | | | Dibromofluoromethane (Surr) | 48.75 ppm |
| | | | | | | | Fluorobenzene (IS) | 48.75 ppm |
| | | | | | | | TBA-d9 (IS) | 975 ppm |
| | | | | | | | Toluene-d8 (Surr) | 48.75 ppm |
| .SURR/IS/TFT_00106 | 03/12/20 | 03/19/19 | MeOH, Lot voarsurr/is_00048 | 25 mL | V-TFTStk_00037 | 625 uL | Trifluorotoluene (Surr) | 249.9 ppm |
| | | | | | VOARSURR/IS_00048 | 24.375 mL | 1,2-Dichloroethane-d4 (Surr) | 243.75 ppm |
| | | | | | | | 1,4-Dichlorobenzene-d4 | 243.75 ppm |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 243.75 ppm |
| | | | | | | | BFB | 243.75 ppm |
| | | | | | | | Chlorobenzene-d5 | 243.75 ppm |
| | | | | | | | Dibromofluoromethane (Surr) | 243.75 ppm |
| | | | | | | | Fluorobenzene (IS) | 243.75 ppm |
| | | | | | | | TBA-d9 (IS) | 4875 ppm |
| | | | | | | | Toluene-d8 (Surr) | 243.75 ppm |
| ..V-TFTStk 00037 | 03/12/20 | 03/12/19 | methanol, Lot 196628 | 50 mL | TFTneat 00014 | 420 uL | Trifluorotoluene (Surr) | 9996 mg/L |
| ...TFTneat 00014 | 03/31/21 | | Sigma-Aldrich, Lot STBG2214V | | (Purchased Reagent) | | Trifluorotoluene (Surr) | 119000 mg/L |
| ..VOARSURR/IS_00048 | 10/31/22 | | Restek, Lot A0131478 | | (Purchased Reagent) | | 1,2-Dichloroethane-d4 (Surr) | 250 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene-d4 | 250 ug/mL |
| | | | | | | | 4-Bromofluorobenzene (Surr) | 250 ug/mL |
| | | | | | | | BFB | 250 ug/mL |
| | | | | | | | Chlorobenzene-d5 | 250 ug/mL |
| | | | | | | | Dibromofluoromethane (Surr) | 250 ug/mL |
| | | | | | | | Fluorobenzene (IS) | 250 ug/mL |
| | | | | | | | TBA-d9 (IS) | 5000 ug/mL |
| | | | | | | | Toluene-d8 (Surr) | 250 ug/mL |
| BFBGRO ARCHON 00038 | 06/08/20 | 09/30/19 | fisher MeOH, Lot 198123 | 25 mL | BFBsurr 00034 | 1.25 mL | 4-Bromofluorobenzene (Surr) | 500 ug/mL |
| .BFBsurr_00034 | 08/31/24 | | Restek, Lot A0149194 | | (Purchased Reagent) | | 4-Bromofluorobenzene (Surr) | 10000 ug/mL |
| BFBGRO ARCHON 00040 | 06/08/20 | 10/14/19 | fisher MeOH, Lot 198123 | 50 mL | BFBsurr_00034 | 2.5 mL | 4-Bromofluorobenzene (Surr) | 500 ug/mL |
| .BFBsurr_00034 | 08/31/24 | | Restek, Lot A0149194 | | (Purchased Reagent) | | 4-Bromofluorobenzene (Surr) | 10000 ug/mL |
| GRO BTEXBlend_00010 | 04/01/20 | 04/02/19 | methanol, Lot 196628 | 5 mL | BTEX in Gas_00006 | 2 mL | Gasoline Range Organics (GRO) -C6-C10 | 2000 ug/mL |
| .BTEX in Gas_00006 | 03/02/26 | | AccuStandard, Lot 216021275 | | (Purchased Reagent) | | Gasoline Range Organics (GRO) -C6-C10 | 5000 ug/mL |
| GRO LCS_00056 | 06/08/20 | 09/06/19 | MeOH, Lot 198123 | 50 mL | GROLCStk_00025 | 2 mL | Gasoline Range Organics (GRO) -C6-C10 | 2000 ug/mL |
| .GROLCStk_00025 | 07/18/27 | | AccuStandard, Lot 217071177 | | (Purchased Reagent) | | Gasoline Range Organics (GRO) -C6-C10 | 50000 ug/mL |
| GRO LCS_00057 | 06/08/20 | 10/11/19 | MeOH, Lot 198123 | 50 mL | GROLCStk_00026 | 2 mL | Gasoline Range Organics (GRO) -C6-C10 | 2000 ug/mL |
| .GROLCStk_00026 | 07/18/27 | | AccuStandard, Lot 217071177 | | (Purchased Reagent) | | Gasoline Range Organics (GRO) -C6-C10 | 50000 ug/mL |
| TFT Spike_00036 | 03/12/20 | 04/01/19 | MeOH, Lot 177891 | 100 mL | V-TFTStk_00037 | 4 mL | Trifluorotoluene (Surr) | 399.84 mg/L |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|----------------------------|----------|-----------|--------------------------------|----------------------|---------------------|--------------|-------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| .V-TFTStk_00037 | 03/12/20 | 03/12/19 | methanol, Lot 196628 | 50 mL | TFTneat_00014 | 420 uL | Trifluorotoluene (Surr) | 9996 mg/L |
| ..TFTneat_00014 | 03/31/21 | | Sigma-Aldrich, Lot STBG2214V | | (Purchased Reagent) | | Trifluorotoluene (Surr) | 1190000 mg/L |
| TFT Spike_00038 | 03/12/20 | 10/10/19 | MeOH, Lot 198123 | 100 mL | V-TFTStk_00037 | 4 mL | Trifluorotoluene (Surr) | 399.84 mg/L |
| .V-TFTStk_00037 | 03/12/20 | 03/12/19 | methanol, Lot 196628 | 50 mL | TFTneat_00014 | 420 uL | Trifluorotoluene (Surr) | 9996 mg/L |
| ..TFTneat_00014 | 03/31/21 | | Sigma-Aldrich, Lot STBG2214V | | (Purchased Reagent) | | Trifluorotoluene (Surr) | 1190000 mg/L |
| TPH-IC*_10000_00004 | 10/01/19 | 07/07/19 | DCM, Lot CT#161 | 10 mL | TPH Spike_RZ_00102 | 2 mL | C25-C36 | 10000 mg/L |
| | | | | | TPH_SURR_00044 | 2 mL | DRO (nC10-<nC25) | 10000 mg/L |
| .TPH Spike_RZ_00102 | 11/30/23 | | Restek, Lot A0122303 | | (Purchased Reagent) | | n-Triacontane-d62 | 200.8 mg/L |
| | | | | | | | o-Terphenyl | 199.2 mg/L |
| .TPH_SURR_00044 | 10/01/19 | 04/01/19 | Acetone/DCM, Lot 179319/CT#141 | 500 mL | nC30d62_00016 | 0.502 g | C25-C36 | 50000 ug/mL |
| | | | | | oterphenyl_00011 | 0.498 g | DRO (nC10-<nC25) | 50000 ug/mL |
| ..nC30d62_00016 | 06/04/23 | | Aldrich, Lot MBBC4347 | | (Purchased Reagent) | | n-Triacontane-d62 | 100 % |
| ..oterphenyl_00011 | 03/02/23 | | Aldrich, Lot MKBV3687V | | (Purchased Reagent) | | o-Terphenyl | 100 % |
| TPH-IC*_500_00006 | 10/01/19 | 07/07/19 | DCM, Lot CT#161 | 100 mL | TPH-IC*_10000_00004 | 5000 uL | C25-C36 | 500 mg/L |
| | | | | | | | DRO (nC10-<nC25) | 500 mg/L |
| .TPH-IC*_10000_00004 | 10/01/19 | 07/07/19 | DCM, Lot CT#161 | 10 mL | TPH Spike_RZ_00102 | 2 mL | n-Triacontane-d62 | 10.04 mg/L |
| | | | | | TPH_SURR_00044 | 2 mL | o-Terphenyl | 9.96 mg/L |
| ..TPH Spike_RZ_00102 | 11/30/23 | | Restek, Lot A0122303 | | (Purchased Reagent) | | C25-C36 | 10000 mg/L |
| | | | | | | | DRO (nC10-<nC25) | 10000 mg/L |
| ..TPH_SURR_00044 | 10/01/19 | 04/01/19 | Acetone/DCM, Lot 179319/CT#141 | 500 mL | nC30d62_00016 | 0.502 g | n-Triacontane-d62 | 200.8 mg/L |
| | | | | | oterphenyl_00011 | 0.498 g | o-Terphenyl | 199.2 mg/L |
| ...nC30d62_00016 | 06/04/23 | | Aldrich, Lot MBBC4347 | | (Purchased Reagent) | | C25-C36 | 50000 ug/mL |
| ...oterphenyl_00011 | 03/02/23 | | Aldrich, Lot MKBV3687V | | (Purchased Reagent) | | DRO (nC10-<nC25) | 50000 ug/mL |
| TPH-IC*_500_00008 | 09/30/20 | 10/03/19 | DCM, Lot CT#161 | 100 mL | TPH-IC*_10000_00005 | 5000 uL | n-Triacontane-d62 | 10.1 mg/L |
| .TPH-IC*_10000_00005 | 09/30/20 | 10/03/19 | DCM, Lot CT#163 | 10 mL | TPH_SURR_00047 | 2 mL | o-Terphenyl | 10.072 mg/L |
| ..TPH_SURR_00047 | 09/30/20 | 10/01/19 | DCM, Lot CT #163 | 250 mL | nC30d62_00016 | 0.2525 g | n-Triacontane-d62 | 202 mg/L |
| | | | | | oterphenyl_00011 | 0.2518 g | o-Terphenyl | 201.44 mg/L |
| ...nC30d62_00016 | 06/04/23 | | Aldrich, Lot MBBC4347 | | (Purchased Reagent) | | n-Triacontane-d62 | 1010 mg/L |
| ...oterphenyl_00011 | 03/02/23 | | Aldrich, Lot MKBV3687V | | (Purchased Reagent) | | o-Terphenyl | 1007.2 mg/L |
| TPH-IC*_500_00008 | 09/30/20 | 10/03/19 | DCM, Lot CT#161 | 100 mL | TPH-IC*_10000_00005 | 5000 uL | DRO (nC10-<nC25) | 500 mg/L |
| .TPH-IC*_10000_00005 | 09/30/20 | 10/03/19 | DCM, Lot CT#163 | 10 mL | TPH Spike_RZ_00102 | 2 mL | DRO (nC10-<nC25) | 10000 mg/L |
| ..TPH Spike_RZ_00102 | 11/30/23 | | Restek, Lot A0122303 | | (Purchased Reagent) | | DRO (nC10-<nC25) | 50000 ug/mL |
| TPH-IC_10000_00075 | 10/01/19 | 04/02/19 | DCM, Lot CT#153 | 10 mL | TPH_SURR_00044 | 4 mL | n-Triacontane-d62 | 401.6 mg/L |
| .TPH_SURR_00044 | 10/01/19 | 04/01/19 | Acetone/DCM, Lot 179319/CT#141 | 500 mL | nC30d62_00016 | 0.502 g | o-Terphenyl | 398.4 mg/L |
| | | | | | | | n-Triacontane-d62 | 1004 mg/L |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|-----------------------|----------|-----------|-----------------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| ..nC30d62_00016 | 06/04/23 | | Aldrich, Lot MBBC4347 | | oterphenyl_00011 | 0.498 g | o-Terphenyl | 996 mg/L |
| ..oterphenyl_00011 | 03/02/23 | | Aldrich, Lot MKBV3687V | | (Purchased Reagent) | | n-Triacontane-d62 | 100 % |
| TPH-IC_10000_00075 | 10/01/19 | 04/02/19 | DCM, Lot CT#153 | 10 mL | #2Diesel_Accu_00014 | 2 mL | DRO (nC10-<nC25) | 10000 mg/L |
| ..#2Diesel_Accu_00014 | 10/12/28 | | Accustandard, Lot 218101242 | | (Purchased Reagent) | | DRO (nC10-<nC25) | 50 mg/mL |
| TPH-RTC_00055 | 09/30/20 | 10/02/19 | DCM, Lot CT#163 | 25 mL | TPH_SURR_00047 | 1 mL | n-Triacontane-d62 | 40.4 ug/mL |
| ..TPH_SURR_00047 | 09/30/20 | 10/01/19 | DCM, Lot CT #163 | 250 mL | nC30d62_00016 | 0.2525 g | o-Terphenyl | 40.288 ug/mL |
| ..nC30d62_00016 | 06/04/23 | | Aldrich, Lot MBBC4347 | | oterphenyl_00011 | 0.2518 g | n-Triacontane-d62 | 1010 mg/L |
| ..oterphenyl_00011 | 03/02/23 | | Aldrich, Lot MKBV3687V | | (Purchased Reagent) | | o-Terphenyl | 1007.2 mg/L |
| TPH_Water_Spk_00023 | 11/30/23 | 10/17/19 | DCM, Lot CT #166 | 100 mL | TPH Spike_RZ_00102 | 10 mL | #2 Diesel Fuel | 5000 mg/L |
| | | | | | | | C10-C15 | 5000 mg/L |
| | | | | | | | C10-C24 | 5000 mg/L |
| | | | | | | | C10-C28 | 5000 mg/L |
| | | | | | | | C10-C36 | 5000 mg/L |
| | | | | | | | C12-C24 | 5000 mg/L |
| | | | | | | | C15-C24 | 5000 mg/L |
| | | | | | | | C16-C36 | 5000 mg/L |
| | | | | | | | C18-C36 | 5000 mg/L |
| | | | | | | | C24-C32 | 5000 mg/L |
| | | | | | | | C24-C36 | 5000 mg/L |
| | | | | | | | C24-C40 | 5000 mg/L |
| | | | | | | | C25-C36 | 5000 mg/L |
| | | | | | | | C28-C40 | 5000 mg/L |
| | | | | | | | DRO (nC10-<nC25) | 5000 mg/L |
| | | | | | | | Motor Oil | 5000 mg/L |
| ..TPH Spike_RZ_00102 | 11/30/23 | | Restek, Lot A0122303 | | (Purchased Reagent) | | #2 Diesel Fuel | 50000 ug/mL |
| | | | | | | | C10-C15 | 50000 ug/mL |
| | | | | | | | C10-C24 | 50000 ug/mL |
| | | | | | | | C10-C28 | 50000 ug/mL |
| | | | | | | | C10-C36 | 50000 ug/mL |
| | | | | | | | C12-C24 | 50000 ug/mL |
| | | | | | | | C15-C24 | 50000 ug/mL |
| | | | | | | | C16-C36 | 50000 ug/mL |
| | | | | | | | C18-C36 | 50000 ug/mL |
| | | | | | | | C24-C32 | 50000 ug/mL |
| | | | | | | | C24-C36 | 50000 ug/mL |
| | | | | | | | C24-C40 | 50000 ug/mL |
| | | | | | | | C25-C36 | 50000 ug/mL |
| | | | | | | | C28-C40 | 50000 ug/mL |
| | | | | | | | DRO (nC10-<nC25) | 50000 ug/mL |
| | | | | | | | Motor Oil | 50000 ug/mL |
| TPH_WaterSurr_00050 | 09/30/20 | 10/02/19 | DCM, Lot 0000238665 | 100 mL | TPH_SURR_00047 | 10 mL | 4-Bromofluorobenzene (Surr) | 102.96 mg/L |
| | | | | | | | n-Triacontane-d62 | 101 mg/L |
| | | | | | | | o-Terphenyl | 100.72 mg/L |
| ..TPH_SURR_00047 | 09/30/20 | 10/01/19 | DCM, Lot CT #163 | 250 mL | BFBNeat_00011 | 0.2574 g | 4-Bromofluorobenzene (Surr) | 1029.6 mg/L |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---------------------------|----------|-----------|------------------------------|----------------------|---------------------|--------------|---------------------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | nC30d62_00016 | 0.2525 g | n-Triacontane-d62 | 1010 mg/L |
| | | | | | oterphenyl_00011 | 0.2518 g | o-Terphenyl | 1007.2 mg/L |
| ..BFBNeat_00011 | 10/01/20 | | Aldrich, Lot 20401KO | | (Purchased Reagent) | | 4-Bromofluorobenzene (Surr) | 1000000 ug/mL |
| ..nC30d62_00016 | 06/04/23 | | Aldrich, Lot MBBC4347 | | (Purchased Reagent) | | n-Triacontane-d62 | 100 % |
| ..oterphenyl_00011 | 03/02/23 | | Aldrich, Lot MKBV3687V | | (Purchased Reagent) | | o-Terphenyl | 100 % |
| V2.4TFT-EX_00041 | 03/12/20 | 09/24/19 | MeOH, Lot 198123 | 1 L | V-TFTStk_00037 | 240 uL | Trifluorotoluene (Surr) | 2.39904 mg/L |
| ..V-TFTStk_00037 | 03/12/20 | 03/12/19 | methanol, Lot 196628 | 50 mL | TFTneat_00014 | 420 uL | Trifluorotoluene (Surr) | 9996 mg/L |
| ..TFTneat_00014 | 03/31/21 | | Sigma-Aldrich, Lot STBG2214V | | (Purchased Reagent) | | Trifluorotoluene (Surr) | 1190000 mg/L |
| V2.4TFT-EX_00043 | 03/12/20 | 10/25/19 | MeOH, Lot 230446 | 1 L | V-TFTStk_00037 | 240 uL | Trifluorotoluene (Surr) | 2.39904 mg/L |
| ..V-TFTStk_00037 | 03/12/20 | 03/12/19 | methanol, Lot 196628 | 50 mL | TFTneat_00014 | 420 uL | Trifluorotoluene (Surr) | 9996 mg/L |
| ..TFTneat_00014 | 03/31/21 | | Sigma-Aldrich, Lot STBG2214V | | (Purchased Reagent) | | Trifluorotoluene (Surr) | 1190000 mg/L |
| VOAMasterMix_00042 | 09/30/19 | 08/15/19 | MeOH, Lot 198123 | 50 mL | 8260 L2/S7_00016 | 1000 uL | Ethyl acetate | 100 ug/mL |
| | | | | | | | Ethyl acrylate | 50 ug/mL |
| | | | | | | | Methyl methacrylate | 100 ug/mL |
| | | | | | | | n-Butyl acetate | 50 ug/mL |
| | | | | | VOAR2CEVE_00020 | 1000 uL | 2-Chloroethyl vinyl ether | 50 ug/mL |
| | | | | | VOARAcrolein_00055 | 750 uL | Acrolein | 300 ug/mL |
| | | | | | VOARADDCOM_00024 | 1000 uL | 1,2,3-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3,5-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 2-Chloro-1,3-butadiene | 50 ug/mL |
| | | | | | | | 2-Nitropropane | 100 ug/mL |
| | | | | | | | Benzyl chloride | 50 ug/mL |
| | | | | | | | Isopropyl alcohol | 500 ug/mL |
| | | | | | | | Methacrylonitrile | 500 ug/mL |
| | | | | | | | n-Butanol | 1250 ug/mL |
| | | | | | VOARGAS_00021 | 1 mL | Bromomethane | 50 ug/mL |
| | | | | | | | Butadiene | 50 ug/mL |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Dichlorofluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| | | | | | VOARKETON_00023 | 1 mL | 2-Butanone | 250 ug/mL |
| | | | | | | | 2-Hexanone | 250 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone | 250 ug/mL |
| | | | | | | | Acetone | 250 ug/mL |
| | | | | | VOARMegMix_00031 | 1000 uL | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |
| | | | | | | | 1,2-Dibromoethane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 500 ug/mL |
| | | | | | | | 3-Chloro-1-propene | 50 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Acrylonitrile | 500 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromochloromethane | 50 ug/mL |
| | | | | | | | Bromodichloromethane | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Cyclohexane | 50 ug/mL |
| | | | | | | | Dibromochloromethane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Ethyl ether | 50 ug/mL |
| | | | | | | | Ethyl methacrylate | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Hexane | 50 ug/mL |
| | | | | | | | Iodomethane | 50 ug/mL |
| | | | | | | | Isobutyl alcohol | 1250 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl acetate | 100 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylcyclohexane | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | n-Heptane | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration | | |
|---------------------|----------|------------------------|----------------------|----------------------|---------------------|---------------------------|-----------------------------|---------------|-----------------|------------|
| | | | | | Reagent ID | Volume Added | | | | |
| | | | | | | | N-Propylbenzene | 50 ug/mL | | |
| | | | | | | | Naphthalene | 50 ug/mL | | |
| | | | | | | | o-Xylene | 50 ug/mL | | |
| | | | | | | | sec-Butylbenzene | 50 ug/mL | | |
| | | | | | | | Styrene | 50 ug/mL | | |
| | | | | | | | t-Butylbenzene | 50 ug/mL | | |
| | | | | | | | Tetrachloroethene | 50 ug/mL | | |
| | | | | | | | Tetrahydrofuran | 100 ug/mL | | |
| | | | | | | | Toluene | 50 ug/mL | | |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL | | |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL | | |
| | | | | | | | trans-1,4-Dichloro-2-butene | 50 ug/mL | | |
| | | | | | | | Trichloroethene | 50 ug/mL | | |
| | | | | | | | VOARPOLARAD__00016 | 1250 uL | Acetonitrile | 625 ug/mL |
| | | | | | | | | | Isopropyl ether | 62.5 ug/mL |
| | | Propionitrile | 625 ug/mL | | | | | | | |
| | | Tert-amyl methyl ether | 62.5 ug/mL | | | | | | | |
| | | Tert-butyl ethyl ether | 62.5 ug/mL | | | | | | | |
| | | VOARVA 00044 | 1250 uL | Vinyl acetate | 125 ug/mL | | | | | |
| .8260 L2/S7_00016 | 08/31/20 | | Restek, Lot A0146094 | | (Purchased Reagent) | Ethyl acetate | 5000 ug/mL | | | |
| | | | | | | Ethyl acrylate | 2500 ug/mL | | | |
| | | | | | | Methyl methacrylate | 5000 ug/mL | | | |
| | | | | | | n-Butyl acetate | 2500 ug/mL | | | |
| .VOAR2CEVE_00020 | 02/28/22 | | Restek, Lot A0146250 | | (Purchased Reagent) | 2-Chloroethyl vinyl ether | 2500 ug/mL | | | |
| .VOARAcrolein_00055 | 10/31/19 | | Restek, Lot A0147676 | | (Purchased Reagent) | Acrolein | 20000 ug/mL | | | |
| .VOARADDCOM__00024 | 07/31/20 | | Restek, Lot A0145375 | | (Purchased Reagent) | 1,2,3-Trimethylbenzene | 2500 ug/mL | | | |
| | | | | | | 1,3,5-Trichlorobenzene | 2500 ug/mL | | | |
| | | | | | | 2-Chloro-1,3-butadiene | 2500 ug/mL | | | |
| | | | | | | 2-Nitropropane | 5000 ug/mL | | | |
| | | | | | | Benzyl chloride | 2500 ug/mL | | | |
| | | | | | | Isopropyl alcohol | 25000 ug/mL | | | |
| | | | | | | Methacrylonitrile | 25000 ug/mL | | | |
| | | | | | | n-Butanol | 62500 ug/mL | | | |
| .VOARGAS__00021 | 11/30/21 | | Restek, Lot A0143158 | | (Purchased Reagent) | Bromomethane | 2500 ug/mL | | | |
| | | | | | | Butadiene | 2500 ug/mL | | | |
| | | | | | | Chloroethane | 2500 ug/mL | | | |
| | | | | | | Chloromethane | 2500 ug/mL | | | |
| | | | | | | Dichlorodifluoromethane | 2500 ug/mL | | | |
| | | | | | | Dichlorofluoromethane | 2500 ug/mL | | | |
| | | | | | | Trichlorofluoromethane | 2500 ug/mL | | | |
| | | | | | | Vinyl chloride | 2500 ug/mL | | | |
| .VOARKETON__00023 | 12/31/21 | | Restek, Lot A0143988 | | (Purchased Reagent) | 2-Butanone | 12500 ug/mL | | | |
| | | | | | | 2-Hexanone | 12500 ug/mL | | | |
| | | | | | | 4-Methyl-2-pentanone | 12500 ug/mL | | | |
| | | | | | | Acetone | 12500 ug/mL | | | |
| .VOARMegMix__00031 | 06/30/21 | | Restek, Lot A0143774 | | (Purchased Reagent) | 1,1,1,2-Tetrachloroethane | 2500 ug/mL | | | |
| | | | | | | 1,1,1-Trichloroethane | 2500 ug/mL | | | |
| | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL | | | |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|---------------------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,1,2-Trichloro-1,2,2-trifluoroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 2500 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 2500 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dibromoethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 2-Chlorotoluene | 2500 ug/mL |
| | | | | | | | 2-Methyl-2-propanol | 25000 ug/mL |
| | | | | | | | 3-Chloro-1-propene | 2500 ug/mL |
| | | | | | | | 4-Chlorotoluene | 2500 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 2500 ug/mL |
| | | | | | | | Acrylonitrile | 25000 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromobenzene | 2500 ug/mL |
| | | | | | | | Bromochloromethane | 2500 ug/mL |
| | | | | | | | Bromodichloromethane | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Cyclohexane | 2500 ug/mL |
| | | | | | | | Dibromochloromethane | 2500 ug/mL |
| | | | | | | | Dibromomethane | 2500 ug/mL |
| | | | | | | | Ethyl ether | 2500 ug/mL |
| | | | | | | | Ethyl methacrylate | 2500 ug/mL |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Hexachlorobutadiene | 2500 ug/mL |
| | | | | | | | Hexane | 2500 ug/mL |
| | | | | | | | Iodomethane | 2500 ug/mL |
| | | | | | | | Isobutyl alcohol | 62500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---------------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | m-Xylene & p-Xylene | 2500 ug/mL |
| | | | | | | | Methyl acetate | 5000 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 2500 ug/mL |
| | | | | | | | Methylcyclohexane | 2500 ug/mL |
| | | | | | | | Methylene Chloride | 2500 ug/mL |
| | | | | | | | n-Butylbenzene | 2500 ug/mL |
| | | | | | | | n-Heptane | 2500 ug/mL |
| | | | | | | | N-Propylbenzene | 2500 ug/mL |
| | | | | | | | Naphthalene | 2500 ug/mL |
| | | | | | | | o-Xylene | 2500 ug/mL |
| | | | | | | | sec-Butylbenzene | 2500 ug/mL |
| | | | | | | | Styrene | 2500 ug/mL |
| | | | | | | | t-Butylbenzene | 2500 ug/mL |
| | | | | | | | Tetrachloroethene | 2500 ug/mL |
| | | | | | | | Tetrahydrofuran | 5000 ug/mL |
| | | | | | | | Toluene | 2500 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | trans-1,4-Dichloro-2-butene | 2500 ug/mL |
| | | | | | | | Trichloroethene | 2500 ug/mL |
| .VOARPOLARAD__00016 | 01/31/21 | | Restek, Lot A0144915 | | (Purchased Reagent) | | Acetonitrile | 25000 ug/mL |
| | | | | | | | Isopropyl ether | 2500 ug/mL |
| | | | | | | | Propionitrile | 25000 ug/mL |
| | | | | | | | Tert-amyl methyl ether | 2500 ug/mL |
| | | | | | | | Tert-butyl ethyl ether | 2500 ug/mL |
| .VOARVA__00044 | 09/30/19 | | Restek, Lot A0147136 | | (Purchased Reagent) | | Vinyl acetate | 5000 ug/mL |
| VOAMasterMix_00045 | 11/15/19 | 11/01/19 | MeOH, Lot 198123 | 50 mL | VOARGAS__00022 | 1000 uL | Bromomethane | 50 ug/mL |
| | | | | | | | Chloroethane | 50 ug/mL |
| | | | | | | | Chloromethane | 50 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL |
| | | | | | | | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| | | | | | VOARKETON__00024 | 1000 uL | 2-Butanone | 250 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone | 250 ug/mL |
| | | | | | | | Acetone | 250 ug/mL |
| | | | | | VOARMegMix__00032 | 1000 uL | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 50 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 50 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|-----------------|----------|-----------|----------------------|----------------------|----------------|---------------------|---------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | 1,2-Dibromoethane | 50 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 50 ug/mL |
| | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | Bromochloromethane | 50 ug/mL |
| | | | | | | | Bromodichloromethane | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Dibromochloromethane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 50 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 50 ug/mL |
| | | | | | | | Methylene Chloride | 50 ug/mL |
| | | | | | | | n-Butylbenzene | 50 ug/mL |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | Naphthalene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | t-Butylbenzene | 50 ug/mL |
| | | | | | | | Tetrachloroethene | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | trans-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Trichloroethene | 50 ug/mL |
| .VOARGAS__00022 | 11/30/21 | | Restek, Lot A0143158 | | | (Purchased Reagent) | Bromomethane | 2500 ug/mL |
| | | | | | | | Chloroethane | 2500 ug/mL |
| | | | | | | | Chloromethane | 2500 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2500 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2500 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|-------------------------|------------|-----------|----------------------|----------------------|----------------|---------------------|-----------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| .VOARKETON__00024 | 12/31/21 | | Restek, Lot A0143988 | | | (Purchased Reagent) | Vinyl chloride | 2500 ug/mL |
| | | | | | | | 2-Butanone | 12500 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone | 12500 ug/mL |
| | | | | | | | Acetone | 12500 ug/mL |
| .VOARMegMix__00032 | 06/30/21 | | Restek, Lot A0143774 | | | (Purchased Reagent) | 1,1,1,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,1-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 2500 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 2500 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dibromoethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 2-Chlorotoluene | 2500 ug/mL |
| | | | | | | | 4-Chlorotoluene | 2500 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 2500 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromobenzene | 2500 ug/mL |
| | | | | | | | Bromochloromethane | 2500 ug/mL |
| | | | | | | | Bromodichloromethane | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Dibromochloromethane | 2500 ug/mL |
| | | | | | | | Dibromomethane | 2500 ug/mL |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Hexachlorobutadiene | 2500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |
| m-Xylene & p-Xylene | 2500 ug/mL | | | | | | | |
| Methyl tert-butyl ether | 2500 ug/mL | | | | | | | |
| Methylene Chloride | 2500 ug/mL | | | | | | | |
| n-Butylbenzene | 2500 ug/mL | | | | | | | |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration | | | | | |
|--------------------|----------|-----------|------------------|----------------------|-------------------------|--------------|---------------------------|---------------|----------------------|--------------------|--------|-----------------------------|-----------|
| | | | | | Reagent ID | Volume Added | | | | | | | |
| | | | | | | | N-Propylbenzene | 2500 ug/mL | | | | | |
| | | | | | | | Naphthalene | 2500 ug/mL | | | | | |
| | | | | | | | o-Xylene | 2500 ug/mL | | | | | |
| | | | | | | | sec-Butylbenzene | 2500 ug/mL | | | | | |
| | | | | | | | Styrene | 2500 ug/mL | | | | | |
| | | | | | | | t-Butylbenzene | 2500 ug/mL | | | | | |
| | | | | | | | Tetrachloroethene | 2500 ug/mL | | | | | |
| | | | | | | | Toluene | 2500 ug/mL | | | | | |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL | | | | | |
| | | | | | | | trans-1,3-Dichloropropene | 2500 ug/mL | | | | | |
| | | | | | | | Trichloroethene | 2500 ug/mL | | | | | |
| VOAMasterSEC_00035 | 09/30/19 | 08/15/19 | MeOH, Lot 198123 | 25 mL | VOASGAS2__00024 | 500 uL | Chloroethane | 50 ug/mL | | | | | |
| | | | | | | | Chloromethane | 50 ug/mL | | | | | |
| | | | | | | | Dichlorodifluoromethane | 50 ug/mL | | | | | |
| | | | | | | | | | | VOASKETON2__00020 | 500 uL | Trichlorofluoromethane | 50 ug/mL |
| | | | | | | | | | 2-Butanone | | | 250 ug/mL | |
| | | | | | | | | | 4-Methyl-2-pentanone | | | 250 ug/mL | |
| | | | | | | | | | | VOASMegMix2__00022 | 500 uL | Acetone | 250 ug/mL |
| | | | | | | | | | | | | 1,1,1-Trichloroethane | 50 ug/mL |
| | | | | | | | | | | | | 1,1-Dichloroethane | 50 ug/mL |
| | | | | | | | | | | | | 1,1-Dichloropropene | 50 ug/mL |
| | | | | | | | | | | | | 1,2,3-Trichlorobenzene | 50 ug/mL |
| | | | | | | | | | | | | 1,2,3-Trichloropropene | 50 ug/mL |
| | | | | | | | | | | | | 1,2,4-Trichlorobenzene | 50 ug/mL |
| | | | | | | | | | | | | 1,2,4-Trimethylbenzene | 50 ug/mL |
| | | | | | | | | | | | | 1,2-Dibromo-3-Chloropropene | 50 ug/mL |
| | | | | | | | | | | | | 1,2-Dichlorobenzene | 50 ug/mL |
| | | | | | | | | | | | | 1,2-Dichloropropene | 50 ug/mL |
| | | | | | | | | | | | | 1,3,5-Trimethylbenzene | 50 ug/mL |
| | | | | | | | | | | | | 1,3-Dichlorobenzene | 50 ug/mL |
| | | | | | | | | | | | | 1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | | | | | | 2,2-Dichloropropene | 50 ug/mL |
| | | | | | | | | | | | | 2-Chlorotoluene | 50 ug/mL |
| | | | | | | | | | | | | 4-Chlorotoluene | 50 ug/mL |
| | | | | | | | | | | | | 4-Isopropyltoluene | 50 ug/mL |
| | | | | | | | | | | | | Bromobenzene | 50 ug/mL |
| | | | | | | | | | | | | Bromochloromethane | 50 ug/mL |
| | | | | | | | | | | | | Carbon disulfide | 50 ug/mL |
| | | | | | | | | | | | | Carbon tetrachloride | 50 ug/mL |
| | | | | | | | | | | | | Chlorobenzene | 50 ug/mL |
| | | | | | | | | | | | | cis-1,2-Dichloroethene | 50 ug/mL |
| | | | | | | | | | | | | Ethylbenzene | 50 ug/mL |
| | | | | | | | | | | | | Isopropylbenzene | 50 ug/mL |
| | | | | | m-Xylene & p-Xylene | 50 ug/mL | | | | | | | |
| | | | | | Methyl tert-butyl ether | 50 ug/mL | | | | | | | |
| | | | | | Methylene Chloride | 50 ug/mL | | | | | | | |
| | | | | | n-Butylbenzene | 50 ug/mL | | | | | | | |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---------------------|----------|-----------|----------------------|----------------------|----------------|---------------------|-----------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | N-Propylbenzene | 50 ug/mL |
| | | | | | | | o-Xylene | 50 ug/mL |
| | | | | | | | sec-Butylbenzene | 50 ug/mL |
| | | | | | | | Styrene | 50 ug/mL |
| | | | | | | | t-Butylbenzene | 50 ug/mL |
| | | | | | | | Toluene | 50 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 50 ug/mL |
| .VOASGAS2__00024 | 03/31/22 | | Restek, Lot A0147004 | | | (Purchased Reagent) | Chloroethane | 2500 ug/mL |
| | | | | | | | Chloromethane | 2500 ug/mL |
| | | | | | | | Dichlorodifluoromethane | 2500 ug/mL |
| | | | | | | | Trichlorofluoromethane | 2500 ug/mL |
| .VOASKETON2__00020 | 08/31/21 | | Restek, Lot A0140519 | | | (Purchased Reagent) | 2-Butanone | 12500 ug/mL |
| | | | | | | | 4-Methyl-2-pentanone | 12500 ug/mL |
| | | | | | | | Acetone | 12500 ug/mL |
| .VOASMegMix2__00022 | 06/30/21 | | Restek, Lot A0144202 | | | (Purchased Reagent) | 1,1,1-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloropropene | 2500 ug/mL |
| | | | | | | | 1,2,3-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2,3-Trichloropropane | 2500 ug/mL |
| | | | | | | | 1,2,4-Trichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2,4-Trimethylbenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromo-3-Chloropropane | 2500 ug/mL |
| | | | | | | | 1,2-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 1,3,5-Trimethylbenzene | 2500 ug/mL |
| | | | | | | | 1,3-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | 1,3-Dichloropropane | 2500 ug/mL |
| | | | | | | | 2,2-Dichloropropane | 2500 ug/mL |
| | | | | | | | 2-Chlorotoluene | 2500 ug/mL |
| | | | | | | | 4-Chlorotoluene | 2500 ug/mL |
| | | | | | | | 4-Isopropyltoluene | 2500 ug/mL |
| | | | | | | | Bromobenzene | 2500 ug/mL |
| | | | | | | | Bromochloromethane | 2500 ug/mL |
| | | | | | | | Carbon disulfide | 2500 ug/mL |
| | | | | | | | Carbon tetrachloride | 2500 ug/mL |
| | | | | | | | Chlorobenzene | 2500 ug/mL |
| | | | | | | | cis-1,2-Dichloroethene | 2500 ug/mL |
| | | | | | | | Ethylbenzene | 2500 ug/mL |
| | | | | | | | Isopropylbenzene | 2500 ug/mL |
| | | | | | | | m-Xylene & p-Xylene | 2500 ug/mL |
| | | | | | | | Methyl tert-butyl ether | 2500 ug/mL |
| | | | | | | | Methylene Chloride | 2500 ug/mL |
| | | | | | | | n-Butylbenzene | 2500 ug/mL |
| | | | | | | | N-Propylbenzene | 2500 ug/mL |
| | | | | | | | o-Xylene | 2500 ug/mL |
| | | | | | | | sec-Butylbenzene | 2500 ug/mL |
| | | | | | | | Styrene | 2500 ug/mL |
| | | | | | | | t-Butylbenzene | 2500 ug/mL |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent | | Analyte | Concentration |
|---------------------------|------------|---------------------------|----------------------|----------------------|--------------------|---------------------|---------------------------|---------------|
| | | | | | Reagent ID | Volume Added | | |
| | | | | | | | Toluene | 2500 ug/mL |
| | | | | | | | trans-1,2-Dichloroethene | 2500 ug/mL |
| VOAMasterSEC_00037 | 11/12/19 | 10/12/19 | MeOH, Lot 198123 | 25 mL | VOASGAS2__00024 | 500 uL | Bromomethane | 50 ug/mL |
| | | | | | | | Vinyl chloride | 50 ug/mL |
| | | | | | VOASMegMix2__00022 | 500 uL | 1,1,1,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 50 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 50 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 50 ug/mL |
| | | | | | | | 1,2-Dibromoethane | 50 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 50 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 50 ug/mL |
| | | | | | | | Benzene | 50 ug/mL |
| | | | | | | | Bromodichloromethane | 50 ug/mL |
| | | | | | | | Bromoform | 50 ug/mL |
| | | | | | | | Chloroform | 50 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 50 ug/mL |
| | | | | | | | Dibromochloromethane | 50 ug/mL |
| | | | | | | | Dibromomethane | 50 ug/mL |
| | | | | | | | Hexachlorobutadiene | 50 ug/mL |
| | | Naphthalene | 50 ug/mL | | | | | |
| | | Tetrachloroethene | 50 ug/mL | | | | | |
| | | trans-1,3-Dichloropropene | 50 ug/mL | | | | | |
| | | Trichloroethene | 50 ug/mL | | | | | |
| .VOASGAS2__00024 | 03/31/22 | | Restek, Lot A0147004 | | | (Purchased Reagent) | Bromomethane | 2500 ug/mL |
| | | | | | | | Vinyl chloride | 2500 ug/mL |
| .VOASMegMix2__00022 | 06/30/21 | | Restek, Lot A0144202 | | | (Purchased Reagent) | 1,1,1,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2,2-Tetrachloroethane | 2500 ug/mL |
| | | | | | | | 1,1,2-Trichloroethane | 2500 ug/mL |
| | | | | | | | 1,1-Dichloroethene | 2500 ug/mL |
| | | | | | | | 1,2-Dibromoethane | 2500 ug/mL |
| | | | | | | | 1,2-Dichloroethane | 2500 ug/mL |
| | | | | | | | 1,4-Dichlorobenzene | 2500 ug/mL |
| | | | | | | | Benzene | 2500 ug/mL |
| | | | | | | | Bromodichloromethane | 2500 ug/mL |
| | | | | | | | Bromoform | 2500 ug/mL |
| | | | | | | | Chloroform | 2500 ug/mL |
| | | | | | | | cis-1,3-Dichloropropene | 2500 ug/mL |
| | | | | | | | Dibromochloromethane | 2500 ug/mL |
| | | | | | | | Dibromomethane | 2500 ug/mL |
| | | | | | | | Hexachlorobutadiene | 2500 ug/mL |
| | | | | | | | Naphthalene | 2500 ug/mL |
| | | | | | | | Tetrachloroethene | 2500 ug/mL |
| trans-1,3-Dichloropropene | 2500 ug/mL | | | | | | | |
| Trichloroethene | 2500 ug/mL | | | | | | | |

8260C_SIM_AK

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-VRX ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | DBFM # | DCA # | TFT # | TOL # | BFB # |
|------------------------|----------------------|--------|-------|-------|-------|-------|
| MW-10-W-191104 | 580-90546-3 | 112 | 92 | 121 X | 97 | 107 |
| Trip Blank-W-191104 | 580-90546-5 | 109 | 90 | 121 X | 94 | 109 |
| | MB 580-316581/7 | 107 | 90 | 119 | 95 | 106 |
| | LCS 580-316581/4 | 107 | 90 | 116 | 95 | 109 |
| | LCSD 580-316581/5 | 107 | 91 | 116 | 97 | 108 |

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TFT = Trifluorotoluene (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS

80-120
48-150
80-120
75-120
75-120

Column to be used to flag recovery values

FORM II 8260C SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 111219_0004.D

Lab ID: LCS 580-316581/4 Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|---------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| 1,1,1,2-Tetrachloroethane | 5.00 | 5.54 | 111 | 64-124 | |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.36 | 87 | 65-144 | |
| 1,1,2-Trichloroethane | 5.00 | 5.17 | 103 | 69-135 | |
| 1,1-Dichloroethene | 5.00 | 5.24 | 105 | 64-139 | |
| 1,2-Dibromoethane | 5.00 | 5.22 | 104 | 75-120 | |
| 1,2-Dichloroethane | 5.00 | 4.20 | 84 | 58-155 | |
| 1,4-Dichlorobenzene | 5.00 | 5.10 | 102 | 75-130 | |
| Benzene | 5.00 | 4.59 | 92 | 71-137 | |
| Bromodichloromethane | 5.00 | 4.54 | 91 | 61-150 | |
| Bromoform | 5.00 | 5.58 | 112 | 55-130 | |
| Bromomethane | 5.00 | 5.24 | 105 | 69-137 | |
| Chloroform | 5.00 | 4.55 | 91 | 65-150 | |
| cis-1,3-Dichloropropene | 5.00 | 4.40 | 88 | 61-140 | |
| Dibromochloromethane | 5.00 | 5.37 | 107 | 71-120 | |
| Dibromomethane | 5.00 | 5.62 | 112 | 67-126 | |
| Hexachlorobutadiene | 5.00 | 5.26 | 105 | 73-139 | |
| Naphthalene | 5.00 | 5.23 | 105 | 69-134 | |
| Tetrachloroethene | 5.00 | 5.35 | 107 | 63-134 | |
| trans-1,3-Dichloropropene | 5.00 | 4.42 | 88 | 62-133 | |
| Trichloroethene | 5.00 | 5.69 | 114 | 70-140 | |
| Vinyl chloride | 5.00 | 3.30 | 66 | 56-150 | |

Column to be used to flag recovery and RPD values

FORM III 8260C SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 111219_0005.D
 Lab ID: LCSD 580-316581/5 Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS | | # |
|---------------------------|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| 1,1,1,2-Tetrachloroethane | 5.00 | 5.88 | 118 | 6 | 10 | 64-124 | |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.49 | 90 | 3 | 18 | 65-144 | |
| 1,1,2-Trichloroethane | 5.00 | 5.31 | 106 | 3 | 15 | 69-135 | |
| 1,1-Dichloroethene | 5.00 | 5.17 | 103 | 1 | 11 | 64-139 | |
| 1,2-Dibromoethane | 5.00 | 5.32 | 106 | 2 | 17 | 75-120 | |
| 1,2-Dichloroethane | 5.00 | 4.26 | 85 | 1 | 11 | 58-155 | |
| 1,4-Dichlorobenzene | 5.00 | 5.19 | 104 | 2 | 35 | 75-130 | |
| Benzene | 5.00 | 4.54 | 91 | 1 | 10 | 71-137 | |
| Bromodichloromethane | 5.00 | 4.56 | 91 | 1 | 10 | 61-150 | |
| Bromoform | 5.00 | 5.84 | 117 | 4 | 14 | 55-130 | |
| Bromomethane | 5.00 | 5.31 | 106 | 1 | 16 | 69-137 | |
| Chloroform | 5.00 | 4.58 | 92 | 1 | 10 | 65-150 | |
| cis-1,3-Dichloropropene | 5.00 | 4.67 | 93 | 6 | 30 | 61-140 | |
| Dibromochloromethane | 5.00 | 5.59 | 112 | 4 | 21 | 71-120 | |
| Dibromomethane | 5.00 | 5.68 | 114 | 1 | 15 | 67-126 | |
| Hexachlorobutadiene | 5.00 | 5.34 | 107 | 2 | 19 | 73-139 | |
| Naphthalene | 5.00 | 5.44 | 109 | 4 | 13 | 69-134 | |
| Tetrachloroethene | 5.00 | 5.45 | 109 | 2 | 20 | 63-134 | |
| trans-1,3-Dichloropropene | 5.00 | 4.72 | 94 | 7 | 30 | 62-133 | |
| Trichloroethene | 5.00 | 5.72 | 114 | 0 | 10 | 70-140 | |
| Vinyl chloride | 5.00 | 3.38 | 68 | 2 | 16 | 56-150 | |

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: 111219_0007.D Lab Sample ID: MB 580-316581/7
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: TAC036 Date Analyzed: 11/12/2019 12:35
 GC Column: DB-VRX ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---------------------|-------------------|-------------------|------------------|
| | LCS 580-316581/4 | 111219_0004 .D | 11/12/2019 11:17 |
| | LCSD 580-316581/5 | 111219_0005 .D | 11/12/2019 11:43 |
| Trip Blank-W-191104 | 580-90546-5 | 111219_0016 .D | 11/12/2019 16:38 |
| MW-10-W-191104 | 580-90546-3 | 111219_0020 .D | 11/12/2019 18:22 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: _____ BFB Injection Date: _____
 Instrument ID: _____ BFB Injection Time: _____
 Lab File ID: _____ DFTPP Injection Date: _____
 Instrument ID: _____ DFTPP Injection Time: _____
 Analysis Batch No.: _____

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------|----------------------|
| | | |

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|-------------------|-------------------|---------------|---------------|
| | ICV 580-315729/13 | 110119_0013. D | 11/01/2019 | 15:16 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: 111219_0002.D BFB Injection Date: 11/12/2019
 Instrument ID: TAC036 BFB Injection Time: 10:24
 Analysis Batch No.: 316581

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|-----|------------------------------------|----------------------|----------|
| 50 | 15.0 - 40.0 % of mass 95 | 19.2 | |
| 75 | 30.0 - 60.0 % of mass 95 | 46.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 7.7 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 95.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 8.6 | (9.0) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 92.7 | (96.7) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 7.2 | (7.7) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---------------------|--------------------|-------------------|---------------|---------------|
| | CCVIS 580-316581/3 | 111219_0003. D | 11/12/2019 | 10:51 |
| | LCS 580-316581/4 | 111219_0004. D | 11/12/2019 | 11:17 |
| | LCSD 580-316581/5 | 111219_0005. D | 11/12/2019 | 11:43 |
| | CCVL 580-316581/6 | 111219_0006. D | 11/12/2019 | 12:09 |
| | MB 580-316581/7 | 111219_0007. D | 11/12/2019 | 12:35 |
| Trip Blank-W-191104 | 580-90546-5 | 111219_0016. D | 11/12/2019 | 16:38 |
| MW-10-W-191104 | 580-90546-3 | 111219_0020. D | 11/12/2019 | 18:22 |

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: CCVIS 580-316581/3 Date Analyzed: 11/12/2019 10:51
 Instrument ID: TAC036 GC Column: DB-VRX ID: 0.25 (mm)
 Lab File ID (Standard): 111219_0003.D Heated Purge: (Y/N) N
 Calibration ID: 28416

| | FB | | CBNZd5 | | DCBd4 | | |
|-------------------|---------------------|--------|--------|--------|--------|--------|-------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| 12/24 HOUR STD | 279705 | 9.26 | 232244 | 12.19 | 134183 | 14.50 | |
| UPPER LIMIT | 559410 | 9.42 | 464488 | 12.36 | 268366 | 14.66 | |
| LOWER LIMIT | 139853 | 9.09 | 116122 | 12.02 | 67092 | 14.33 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 580-316581/4 | 277820 | 9.26 | 226732 | 12.19 | 133559 | 14.50 | |
| LCSD 580-316581/5 | 269509 | 9.26 | 212398 | 12.19 | 127997 | 14.50 | |
| CCVL 580-316581/6 | 277968 | 9.26 | 226569 | 12.19 | 133310 | 14.50 | |
| MB 580-316581/7 | 270864 | 9.26 | 222924 | 12.19 | 124658 | 14.50 | |
| 580-90546-5 | Trip Blank-W-191104 | 262127 | 9.26 | 216488 | 12.19 | 127772 | 14.50 |
| 580-90546-3 | MW-10-W-191104 | 252871 | 9.25 | 204905 | 12.19 | 114688 | 14.50 |

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.1666 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-10-W-191104 Lab Sample ID: 580-90546-3
 Matrix: Water Lab File ID: 111219_0020.D
 Analysis Method: 8260C SIM Date Collected: 11/04/2019 14:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/12/2019 18:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316581 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|------------|---------------------------|--------|---|------|--------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 0.50 | 0.0090 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 0.50 | 0.049 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 0.50 | 0.017 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 0.50 | 0.014 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 0.50 | 0.014 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 0.50 | 0.024 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 0.50 | 0.014 |
| 71-43-2 | Benzene | ND | | 0.50 | 0.0090 |
| 75-27-4 | Bromodichloromethane | ND | | 0.50 | 0.0060 |
| 75-25-2 | Bromoform | ND | | 0.50 | 0.013 |
| 74-83-9 | Bromomethane | ND | | 0.50 | 0.012 |
| 67-66-3 | Chloroform | 0.032 | J | 0.50 | 0.0090 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 0.50 | 0.026 |
| 124-48-1 | Dibromochloromethane | ND | | 0.50 | 0.016 |
| 74-95-3 | Dibromomethane | ND | | 0.50 | 0.017 |
| 87-68-3 | Hexachlorobutadiene | ND | | 0.50 | 0.026 |
| 91-20-3 | Naphthalene | ND | | 0.50 | 0.013 |
| 127-18-4 | Tetrachloroethene | 0.026 | J | 0.50 | 0.017 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 0.50 | 0.027 |
| 79-01-6 | Trichloroethene | ND | | 0.50 | 0.0090 |
| 75-01-4 | Vinyl chloride | ND | | 0.50 | 0.013 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 92 | | 48-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 107 | | 75-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 112 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 75-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 121 | X | 80-120 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: Trip Blank-W-191104 Lab Sample ID: 580-90546-5
 Matrix: Water Lab File ID: 111219_0016.D
 Analysis Method: 8260C SIM Date Collected: 11/04/2019 00:01
 Sample wt/vol: 5 (mL) Date Analyzed: 11/12/2019 16:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316581 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|------------|---------------------------|--------|---|------|--------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 0.50 | 0.0090 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 0.50 | 0.049 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 0.50 | 0.017 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 0.50 | 0.014 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 0.50 | 0.014 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 0.50 | 0.024 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 0.50 | 0.014 |
| 71-43-2 | Benzene | ND | | 0.50 | 0.0090 |
| 75-27-4 | Bromodichloromethane | ND | | 0.50 | 0.0060 |
| 75-25-2 | Bromoform | ND | | 0.50 | 0.013 |
| 74-83-9 | Bromomethane | ND | | 0.50 | 0.012 |
| 67-66-3 | Chloroform | ND | | 0.50 | 0.0090 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 0.50 | 0.026 |
| 124-48-1 | Dibromochloromethane | ND | | 0.50 | 0.016 |
| 74-95-3 | Dibromomethane | ND | | 0.50 | 0.017 |
| 87-68-3 | Hexachlorobutadiene | ND | | 0.50 | 0.026 |
| 91-20-3 | Naphthalene | ND | | 0.50 | 0.013 |
| 127-18-4 | Tetrachloroethene | ND | | 0.50 | 0.017 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 0.50 | 0.027 |
| 79-01-6 | Trichloroethene | ND | | 0.50 | 0.0090 |
| 75-01-4 | Vinyl chloride | ND | | 0.50 | 0.013 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 48-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 109 | | 75-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 109 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 94 | | 75-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 121 | X | 80-120 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-315729/13 Calibration Date: 11/01/2019 15:16
 Instrument ID: TAC036 Calib Start Date: 11/01/2019 10:54
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 11/01/2019 14:24
 Lab File ID: 110119_0013.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|---------|---------|-------------|--------------|-------|--------|
| Vinyl chloride | Ave | 0.3513 | 0.2812 | 0.1000 | 4.00 | 5.00 | -20.0 | 30.0 |
| Butadiene | Ave | 0.3239 | 0.2644 | | 4.08 | 5.00 | -18.4 | 30.0 |
| Bromomethane | Lin2 | | 0.1761 | 0.1000 | 4.32 | 5.00 | -13.6 | 30.0 |
| 1,1-Dichloroethene | Lin2 | | 0.1648 | 0.1000 | 4.30 | 5.00 | -14.0 | 30.0 |
| Isopropyl alcohol | Ave | 0.1125 | 0.0977 | | 43.4 | 50.0 | -13.1 | 30.0 |
| cis-1,2-Dichloroethene | Lin2 | | 0.2185 | 0.1000 | 4.63 | 5.00 | -7.3 | 30.0 |
| Chloroform | Lin2 | | 0.3640 | 0.2000 | 4.57 | 5.00 | -8.5 | 30.0 |
| 1,2-Dichloroethane | Lin2 | | 0.3116 | 0.1000 | 4.52 | 5.00 | -9.5 | 30.0 |
| Benzene | Lin2 | | 0.7997 | 0.5000 | 4.53 | 5.00 | -9.4 | 30.0 |
| Dibromomethane | Ave | 0.1551 | 0.1452 | | 4.68 | 5.00 | -6.4 | 30.0 |
| Trichloroethene | Lin2 | | 0.1950* | 0.2000 | 4.58 | 5.00 | -8.5 | 30.0 |
| Bromodichloromethane | Ave | 0.3031 | 0.2731 | 0.2000 | 4.51 | 5.00 | -9.9 | 30.0 |
| cis-1,3-Dichloropropene | Ave | 0.4676 | 0.4395 | 0.2000 | 4.70 | 5.00 | -6.0 | 30.0 |
| trans-1,3-Dichloropropene | Ave | 0.4348 | 0.4065 | 0.1000 | 4.67 | 5.00 | -6.5 | 30.0 |
| 1,1,2-Trichloroethane | Lin2 | | 0.2399 | 0.1000 | 4.70 | 5.00 | -6.1 | 30.0 |
| 2-Hexanone | Ave | 0.1289 | 0.1314 | 0.0600 | 25.5 | 25.0 | 2.0 | 30.0 |
| Dibromochloromethane | Ave | 0.2922 | 0.2762 | 0.1000 | 4.73 | 5.00 | -5.5 | 30.0 |
| 1,2-Dibromoethane | Lin2 | | 0.2654 | 0.1000 | 4.71 | 5.00 | -5.8 | 30.0 |
| Tetrachloroethene | Lin2 | | 0.1938* | 0.2000 | 4.56 | 5.00 | -8.7 | 30.0 |
| 1,1,1,2-Tetrachloroethane | Lin2 | | 0.2781 | | 4.91 | 5.00 | -1.7 | 30.0 |
| Bromoform | Ave | 0.2100 | 0.2028 | 0.1000 | 4.83 | 5.00 | -3.4 | 30.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.7515 | 0.6873 | 0.3000 | 4.57 | 5.00 | -8.6 | 30.0 |
| 1,4-Dichlorobenzene | Lin2 | | 1.186 | 0.5000 | 4.71 | 5.00 | -5.7 | 30.0 |
| Naphthalene | Qua2 | | 1.592 | | 5.13 | 5.00 | 2.6 | 30.0 |
| Hexachlorobutadiene | Lin2 | | 0.2886 | | 5.12 | 5.00 | 2.5 | 30.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2620 | 0.2654 | | 9.87 | 9.75 | 1.3 | 30.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3340 | 0.3288 | | 9.60 | 9.75 | -1.6 | 30.0 |
| Trifluorotoluene (Surr) | Ave | 0.4613 | 0.4671 | | 10.1 | 10.0 | 1.3 | 30.0 |
| Toluene-d8 (Surr) | Ave | 1.175 | 1.169 | | 9.70 | 9.75 | -0.5 | 30.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4133 | 0.4214 | | 9.94 | 9.75 | 2.0 | 30.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Lab Sample ID: CCVIS 580-316581/3 Calibration Date: 11/12/2019 10:51

Instrument ID: TAC036 Calib Start Date: 11/01/2019 10:54

GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 11/01/2019 14:24

Lab File ID: 111219_0003.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|--------|---------|-------------|--------------|--------|--------|
| Vinyl chloride | Ave | 0.3513 | 0.2472 | 0.1000 | 3.52 | 5.00 | -29.6* | 20.0 |
| Butadiene | Ave | 0.3239 | 0.2322 | | 3.59 | 5.00 | -28.3* | 20.0 |
| Bromomethane | Lin2 | | 0.2210 | 0.1000 | 5.42 | 5.00 | 8.4 | 20.0 |
| 1,1-Dichloroethene | Lin2 | | 0.2074 | 0.1000 | 5.42 | 5.00 | 8.3 | 20.0 |
| Isopropyl alcohol | Ave | 0.1125 | 0.1001 | | 44.5 | 50.0 | -11.0 | 20.0 |
| cis-1,2-Dichloroethene | Lin2 | | 0.2460 | 0.1000 | 5.22 | 5.00 | 4.4 | 20.0 |
| Chloroform | Lin2 | | 0.3711 | 0.2000 | 4.66 | 5.00 | -6.7 | 20.0 |
| 1,2-Dichloroethane | Lin2 | | 0.2963 | 0.1000 | 4.30 | 5.00 | -14.0 | 20.0 |
| Benzene | Lin2 | | 0.8305 | 0.5000 | 4.71 | 5.00 | -5.9 | 20.0 |
| Dibromomethane | Ave | 0.1551 | 0.1784 | | 5.75 | 5.00 | 15.0 | 20.0 |
| Trichloroethene | Lin2 | | 0.2505 | 0.2000 | 5.88 | 5.00 | 17.7 | 20.0 |
| Bromodichloromethane | Ave | 0.3031 | 0.2837 | 0.2000 | 4.68 | 5.00 | -6.4 | 20.0 |
| cis-1,3-Dichloropropene | Ave | 0.4676 | 0.4286 | 0.2000 | 4.58 | 5.00 | -8.3 | 20.0 |
| trans-1,3-Dichloropropene | Ave | 0.4348 | 0.4074 | 0.1000 | 4.69 | 5.00 | -6.3 | 20.0 |
| 1,1,2-Trichloroethane | Lin2 | | 0.2745 | 0.1000 | 5.38 | 5.00 | 7.5 | 20.0 |
| 2-Hexanone | Ave | 0.1289 | 0.1415 | 0.0600 | 27.4 | 25.0 | 9.8 | 20.0 |
| Dibromochloromethane | Ave | 0.2922 | 0.3247 | 0.1000 | 5.56 | 5.00 | 11.1 | 20.0 |
| 1,2-Dibromoethane | Lin2 | | 0.2999 | 0.1000 | 5.32 | 5.00 | 6.5 | 20.0 |
| Tetrachloroethene | Lin2 | | 0.2373 | 0.2000 | 5.59 | 5.00 | 11.8 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Lin2 | | 0.3230 | | 5.71 | 5.00 | 14.2 | 20.0 |
| Bromoform | Ave | 0.2100 | 0.2418 | 0.1000 | 5.76 | 5.00 | 15.2 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Ave | 0.7515 | 0.6858 | 0.3000 | 4.56 | 5.00 | -8.8 | 20.0 |
| 1,4-Dichlorobenzene | Lin2 | | 1.328 | 0.5000 | 5.28 | 5.00 | 5.6 | 20.0 |
| Naphthalene | Qua2 | | 1.450 | | 4.68 | 5.00 | -6.4 | 20.0 |
| Hexachlorobutadiene | Lin2 | | 0.3003 | | 5.33 | 5.00 | 6.7 | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2620 | 0.2773 | | 10.3 | 9.75 | 5.8 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3340 | 0.3015 | | 8.80 | 9.75 | -9.7 | 20.0 |
| Trifluorotoluene (Surr) | Ave | 0.4613 | 0.5421 | | 11.7 | 10.0 | 17.5 | 20.0 |
| Toluene-d8 (Surr) | Ave | 1.175 | 1.123 | | 9.32 | 9.75 | -4.4 | 20.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4133 | 0.4459 | | 10.5 | 9.75 | 7.9 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Lab Sample ID: CCVL 580-316581/6 Calibration Date: 11/12/2019 12:09

Instrument ID: TAC036 Calib Start Date: 11/01/2019 10:54

GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 11/01/2019 14:24

Lab File ID: 111219_0006.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Vinyl chloride | Ave | 0.3513 | 0.2990 | 0.1000 | 0.426 | 0.500 | -14.9 | |
| Butadiene | Ave | 0.3239 | 0.2850 | | 0.440 | 0.500 | -12.0 | |
| Bromomethane | Lin2 | | 0.2627 | 0.1000 | 0.636 | 0.500 | 27.3 | |
| 1,1-Dichloroethene | Lin2 | | 0.2552 | 0.1000 | 0.656 | 0.500 | 31.3 | |
| Isopropyl alcohol | Ave | 0.1125 | 0.1170 | | 5.20 | 5.00 | 4.0 | |
| cis-1,2-Dichloroethene | Lin2 | | 0.3047 | 0.1000 | 0.630 | 0.500 | 26.0 | |
| Chloroform | Lin2 | | 0.4656 | 0.2000 | 0.575 | 0.500 | 15.0 | |
| 1,2-Dichloroethane | Lin2 | | 0.3898 | 0.1000 | 0.522 | 0.500 | 4.5 | |
| Benzene | Lin2 | | 1.021 | 0.5000 | 0.566 | 0.500 | 13.2 | |
| Dibromomethane | Ave | 0.1551 | 0.2453 | | 0.791 | 0.500 | 58.2 | |
| Trichloroethene | Lin2 | | 0.3247 | 0.2000 | 0.757 | 0.500 | 51.4 | |
| Bromodichloromethane | Ave | 0.3031 | 0.3819 | 0.2000 | 0.630 | 0.500 | 26.0 | |
| cis-1,3-Dichloropropene | Ave | 0.4676 | 0.5851 | 0.2000 | 0.626 | 0.500 | 25.1 | |
| trans-1,3-Dichloropropene | Ave | 0.4348 | 0.6274 | 0.1000 | 0.722 | 0.500 | 44.3 | |
| 1,1,2-Trichloroethane | Lin2 | | 0.4408 | 0.1000 | 0.859 | 0.500 | 71.8 | |
| 2-Hexanone | Ave | 0.1289 | 0.3114 | 0.0600 | 6.04 | 2.50 | 141.6 | |
| Dibromochloromethane | Ave | 0.2922 | 0.5539 | 0.1000 | 0.948 | 0.500 | 89.6 | |
| 1,2-Dibromoethane | Lin2 | | 0.4738 | 0.1000 | 0.835 | 0.500 | 66.9 | |
| Tetrachloroethene | Lin2 | | 0.2931 | 0.2000 | 0.686 | 0.500 | 37.1 | |
| 1,1,1,2-Tetrachloroethane | Lin2 | | 0.5609 | | 0.983 | 0.500 | 96.6 | |
| Bromoform | Ave | 0.2100 | 0.5310 | 0.1000 | 1.26 | 0.500 | 152.9 | |
| 1,1,2,2-Tetrachloroethane | Ave | 0.7515 | 1.635 | 0.3000 | 1.09 | 0.500 | 117.6 | |
| 1,4-Dichlorobenzene | Lin2 | | 2.875 | 0.5000 | 1.13 | 0.500 | 126.4 | |
| Naphthalene | Qua2 | | 4.736 | | 1.55 | 0.500 | 209.2 | |
| Hexachlorobutadiene | Lin2 | | 0.6303 | | 1.11 | 0.500 | 122.1 | |
| Dibromofluoromethane (Surr) | Ave | 0.2620 | 0.2852 | | 10.6 | 9.75 | 8.9 | |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3340 | 0.3014 | | 8.80 | 9.75 | -9.7 | |
| Trifluorotoluene (Surr) | Ave | 0.4613 | 0.5461 | | 11.8 | 10.0 | 18.4 | |
| Toluene-d8 (Surr) | Ave | 1.175 | 1.095 | | 9.09 | 9.75 | -6.8 | |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4133 | 0.4487 | | 10.6 | 9.75 | 8.6 | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316581/7
 Matrix: Water Lab File ID: 111219_0007.D
 Analysis Method: 8260C SIM Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/12/2019 12:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316581 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|------------|---------------------------|--------|---|------|--------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | 0.50 | 0.0090 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | 0.50 | 0.049 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | 0.50 | 0.017 |
| 75-35-4 | 1,1-Dichloroethene | ND | | 0.50 | 0.014 |
| 106-93-4 | 1,2-Dibromoethane | ND | | 0.50 | 0.014 |
| 107-06-2 | 1,2-Dichloroethane | ND | | 0.50 | 0.024 |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | 0.50 | 0.014 |
| 71-43-2 | Benzene | ND | | 0.50 | 0.0090 |
| 75-27-4 | Bromodichloromethane | ND | | 0.50 | 0.0060 |
| 75-25-2 | Bromoform | ND | | 0.50 | 0.013 |
| 74-83-9 | Bromomethane | ND | | 0.50 | 0.012 |
| 67-66-3 | Chloroform | ND | | 0.50 | 0.0090 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | 0.50 | 0.026 |
| 124-48-1 | Dibromochloromethane | ND | | 0.50 | 0.016 |
| 74-95-3 | Dibromomethane | ND | | 0.50 | 0.017 |
| 87-68-3 | Hexachlorobutadiene | 0.0890 | J | 0.50 | 0.026 |
| 91-20-3 | Naphthalene | 0.222 | J | 0.50 | 0.013 |
| 127-18-4 | Tetrachloroethene | ND | | 0.50 | 0.017 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | 0.50 | 0.027 |
| 79-01-6 | Trichloroethene | ND | | 0.50 | 0.0090 |
| 75-01-4 | Vinyl chloride | ND | | 0.50 | 0.013 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 48-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 106 | | 75-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 107 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 75-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 119 | | 80-120 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316581/4
 Matrix: Water Lab File ID: 111219_0004.D
 Analysis Method: 8260C SIM Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/12/2019 11:17
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316581 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|------------|---------------------------|--------|---|------|--------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 5.54 | | 0.50 | 0.0090 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 4.36 | | 0.50 | 0.049 |
| 79-00-5 | 1,1,2-Trichloroethane | 5.17 | | 0.50 | 0.017 |
| 75-35-4 | 1,1-Dichloroethene | 5.24 | | 0.50 | 0.014 |
| 106-93-4 | 1,2-Dibromoethane | 5.22 | | 0.50 | 0.014 |
| 107-06-2 | 1,2-Dichloroethane | 4.20 | | 0.50 | 0.024 |
| 106-46-7 | 1,4-Dichlorobenzene | 5.10 | | 0.50 | 0.014 |
| 71-43-2 | Benzene | 4.59 | | 0.50 | 0.0090 |
| 75-27-4 | Bromodichloromethane | 4.54 | | 0.50 | 0.0060 |
| 75-25-2 | Bromoform | 5.58 | | 0.50 | 0.013 |
| 74-83-9 | Bromomethane | 5.24 | | 0.50 | 0.012 |
| 67-66-3 | Chloroform | 4.55 | | 0.50 | 0.0090 |
| 10061-01-5 | cis-1,3-Dichloropropene | 4.40 | | 0.50 | 0.026 |
| 124-48-1 | Dibromochloromethane | 5.37 | | 0.50 | 0.016 |
| 74-95-3 | Dibromomethane | 5.62 | | 0.50 | 0.017 |
| 87-68-3 | Hexachlorobutadiene | 5.26 | | 0.50 | 0.026 |
| 91-20-3 | Naphthalene | 5.23 | | 0.50 | 0.013 |
| 127-18-4 | Tetrachloroethene | 5.35 | | 0.50 | 0.017 |
| 10061-02-6 | trans-1,3-Dichloropropene | 4.42 | | 0.50 | 0.027 |
| 79-01-6 | Trichloroethene | 5.69 | | 0.50 | 0.0090 |
| 75-01-4 | Vinyl chloride | 3.30 | | 0.50 | 0.013 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 90 | | 48-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 109 | | 75-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 107 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 95 | | 75-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 116 | | 80-120 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316581/5
 Matrix: Water Lab File ID: 111219_0005.D
 Analysis Method: 8260C SIM Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/12/2019 11:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316581 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|------------|---------------------------|--------|---|------|--------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 5.88 | | 0.50 | 0.0090 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 4.49 | | 0.50 | 0.049 |
| 79-00-5 | 1,1,2-Trichloroethane | 5.31 | | 0.50 | 0.017 |
| 75-35-4 | 1,1-Dichloroethene | 5.17 | | 0.50 | 0.014 |
| 106-93-4 | 1,2-Dibromoethane | 5.32 | | 0.50 | 0.014 |
| 107-06-2 | 1,2-Dichloroethane | 4.26 | | 0.50 | 0.024 |
| 106-46-7 | 1,4-Dichlorobenzene | 5.19 | | 0.50 | 0.014 |
| 71-43-2 | Benzene | 4.54 | | 0.50 | 0.0090 |
| 75-27-4 | Bromodichloromethane | 4.56 | | 0.50 | 0.0060 |
| 75-25-2 | Bromoform | 5.84 | | 0.50 | 0.013 |
| 74-83-9 | Bromomethane | 5.31 | | 0.50 | 0.012 |
| 67-66-3 | Chloroform | 4.58 | | 0.50 | 0.0090 |
| 10061-01-5 | cis-1,3-Dichloropropene | 4.67 | | 0.50 | 0.026 |
| 124-48-1 | Dibromochloromethane | 5.59 | | 0.50 | 0.016 |
| 74-95-3 | Dibromomethane | 5.68 | | 0.50 | 0.017 |
| 87-68-3 | Hexachlorobutadiene | 5.34 | | 0.50 | 0.026 |
| 91-20-3 | Naphthalene | 5.44 | | 0.50 | 0.013 |
| 127-18-4 | Tetrachloroethene | 5.45 | | 0.50 | 0.017 |
| 10061-02-6 | trans-1,3-Dichloropropene | 4.72 | | 0.50 | 0.027 |
| 79-01-6 | Trichloroethene | 5.72 | | 0.50 | 0.0090 |
| 75-01-4 | Vinyl chloride | 3.38 | | 0.50 | 0.013 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 91 | | 48-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 108 | | 75-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 107 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 97 | | 75-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 116 | | 80-120 |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC036 Start Date: 11/01/2019 10:27

Analysis Batch Number: 315729 End Date: 11/01/2019 16:59

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|-------------------|------------------|------------------|-----------------|---------------|------------------|
| BFB 580-315729/2 | | 11/01/2019 10:27 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/3 | | 11/01/2019 10:54 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/4 | | 11/01/2019 11:20 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/5 | | 11/01/2019 11:46 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/6 | | 11/01/2019 12:13 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/7 | | 11/01/2019 12:39 | 1 | | DB-VRX 0.25 (mm) |
| ICIS 580-315729/8 | | 11/01/2019 13:05 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/9 | | 11/01/2019 13:32 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/10 | | 11/01/2019 13:58 | 1 | | DB-VRX 0.25 (mm) |
| IC 580-315729/11 | | 11/01/2019 14:24 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/01/2019 14:49 | 1 | | DB-VRX 0.25 (mm) |
| ICV 580-315729/13 | | 11/01/2019 15:16 | 1 | 110119_0013.D | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/01/2019 16:07 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/01/2019 16:33 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/01/2019 16:59 | 1 | | DB-VRX 0.25 (mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC036 Start Date: 11/12/2019 10:24

Analysis Batch Number: 316581 End Date: 11/12/2019 21:24

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|---------------|------------------|
| BFB 580-316581/2 | | 11/12/2019 10:24 | 1 | 111219_0002.D | DB-VRX 0.25 (mm) |
| CCVIS 580-316581/3 | | 11/12/2019 10:51 | 1 | 111219_0003.D | DB-VRX 0.25 (mm) |
| LCS 580-316581/4 | | 11/12/2019 11:17 | 1 | 111219_0004.D | DB-VRX 0.25 (mm) |
| LCSD 580-316581/5 | | 11/12/2019 11:43 | 1 | 111219_0005.D | DB-VRX 0.25 (mm) |
| CCVL 580-316581/6 | | 11/12/2019 12:09 | 1 | 111219_0006.D | DB-VRX 0.25 (mm) |
| MB 580-316581/7 | | 11/12/2019 12:35 | 1 | 111219_0007.D | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 13:09 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 13:35 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 14:01 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 14:27 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 14:53 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 15:20 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 15:45 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 16:12 | 1 | | DB-VRX 0.25 (mm) |
| 580-90546-5 | | 11/12/2019 16:38 | 1 | 111219_0016.D | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 17:04 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 17:30 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 17:56 | 1 | | DB-VRX 0.25 (mm) |
| 580-90546-3 | | 11/12/2019 18:22 | 1 | 111219_0020.D | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 18:48 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 19:14 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 19:40 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 20:06 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 20:32 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 20:58 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/12/2019 21:24 | 1 | | DB-VRX 0.25 (mm) |

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 315729 Batch Start Date: 11/01/19 10:27 Batch Analyst: Jantanu, Charinporn

Batch Method: 8260C SIM Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 5X SUR/IS/TFT 00011 | VOAMasterSEC 00037 | | |
|----------------------|------------------|--------------|-------|---------------|-------------|------------------------|-----------------------|--|--|
| ICV 580-315729/13 | | 8260C SIM | | 5 mL | 5 mL | 1 uL | 5 uL | | |

| Batch Notes | |
|-------------|--|
| | |

| Basis | Basis Description |
|-------|-------------------|
| | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316581 Batch Start Date: 11/12/19 10:24 Batch Analyst: Jantanu, Charinporn

Batch Method: 8260C SIM Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | 5X SUR/IS/TFT 00011 | VOAMasterMix 00045 | |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------|------------------------|-----------------------|--|
| BFB 580-316581/2 | | 8260C SIM | | 5 mL | 5 mL | | 1 uL | | |
| CCVIS 580-316581/3 | | 8260C SIM | | 5 mL | 5 mL | | 1 uL | 5 uL | |
| LCS 580-316581/4 | | 8260C SIM | | 5 mL | 5 mL | | 1 uL | 5 uL | |
| LCSD 580-316581/5 | | 8260C SIM | | 5 mL | 5 mL | | 1 uL | 5 uL | |
| CCVL 580-316581/6 | | 8260C SIM | | 5 mL | 5 mL | | 1 uL | 0.5 uL | |
| MB 580-316581/7 | | 8260C SIM | | 5 mL | 5 mL | | 1 uL | | |
| 580-90546-H-5 | Trip Blank | 8260C SIM | T | 5 mL | 5 mL | <2 SU | 1 uL | | |
| 580-90546-H-3 | MW-10-W-191104 | 8260C SIM | T | 5 mL | 5 mL | <2 SU | 1 uL | | |

| Batch Notes | |
|-----------------|----------|
| Vial Lot Number | 0217701E |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-VRX ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | DBFM # | DCA # | TFT # | TOL # | BFB # |
|------------------------|----------------------|--------|-------|-------|-------|-------|
| EQB-1-W-191104 | 580-90546-1 | 97 | 99 | 91 | 105 | 92 |
| MW-8-W-191104 | 580-90546-2 | 95 | 97 | 90 | 108 | 93 |
| MW-10-W-191104 | 580-90546-3 | 98 | 99 | 93 | 106 | 89 |
| BD-1-W-191104 | 580-90546-4 | 95 | 98 | 90 | 107 | 93 |
| Trip Blank-W-191104 | 580-90546-5 | 96 | 101 | 90 | 106 | 90 |
| | MB 580-316242/7 | 97 | 101 | 92 | 109 | 90 |
| | LCS 580-316242/4 | 94 | 95 | 93 | 103 | 94 |
| | LCSD 580-316242/5 | 93 | 94 | 94 | 104 | 94 |

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TFT = Trifluorotoluene (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
80-120
80-126
80-120
80-120
80-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: 110719004.D

Lab ID: LCS 580-316242/4

Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|-----------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| 1,1,1-Trichloroethane | 20.0 | 17.7 | 89 | 74-130 | |
| 1,1-Dichloroethane | 20.0 | 18.4 | 92 | 70-129 | |
| Benzene | 20.0 | 19.5 | 97 | 75-121 | |
| 1,1-Dichloropropene | 20.0 | 17.5 | 87 | 80-120 | |
| 1,2,3-Trichlorobenzene | 20.0 | 19.5 | 97 | 23-150 | |
| 1,2,3-Trichloropropane | 20.0 | 18.4 | 92 | 76-124 | |
| 1,2,4-Trichlorobenzene | 20.0 | 20.3 | 101 | 57-140 | |
| 1,2,4-Trimethylbenzene | 20.0 | 20.9 | 105 | 80-120 | |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 17.8 | 89 | 65-125 | |
| 1,2-Dichlorobenzene | 20.0 | 20.9 | 104 | 80-120 | |
| 1,2-Dichloropropane | 20.0 | 19.1 | 96 | 72-126 | |
| 1,3,5-Trimethylbenzene | 20.0 | 20.2 | 101 | 80-120 | |
| 1,3-Dichlorobenzene | 20.0 | 20.6 | 103 | 80-120 | |
| 1,3-Dichloropropane | 20.0 | 20.1 | 101 | 79-120 | |
| 2,2-Dichloropropane | 20.0 | 19.8 | 99 | 62-140 | |
| 2-Butanone | 100 | 86.4 | 86 | 65-127 | |
| 2-Chlorotoluene | 20.0 | 19.6 | 98 | 80-120 | |
| 4-Chlorotoluene | 20.0 | 19.8 | 99 | 80-120 | |
| 4-Isopropyltoluene | 20.0 | 19.9 | 100 | 77-120 | |
| 4-Methyl-2-pentanone | 100 | 101 | 101 | 69-124 | |
| Acetone | 100 | 90.1 | 90 | 43-150 | |
| Bromobenzene | 20.0 | 19.4 | 97 | 80-120 | |
| Bromochloromethane | 20.0 | 17.5 | 87 | 78-120 | |
| Carbon disulfide | 20.0 | 18.4 | 92 | 69-122 | |
| Carbon tetrachloride | 20.0 | 16.8 | 84 | 72-129 | |
| Chlorobenzene | 20.0 | 19.7 | 98 | 80-120 | |
| Chloroethane | 20.0 | 19.4 | 97 | 65-132 | |
| Chloromethane | 20.0 | 19.4 J | 97 | 52-135 | |
| cis-1,2-Dichloroethene | 20.0 | 18.3 | 91 | 76-129 | |
| Dichlorodifluoromethane | 20.0 | 16.2 | 81 | 20-150 | |
| Ethylbenzene | 20.0 | 20.9 | 104 | 80-120 | |
| Isopropylbenzene | 20.0 | 19.9 | 100 | 75-120 | |
| Methyl tert-butyl ether | 20.0 | 18.0 | 90 | 72-130 | |
| Methylene Chloride | 20.0 | 18.1 | 90 | 77-125 | |
| m-Xylene & p-Xylene | 20.0 | 19.6 | 98 | 80-120 | |
| n-Butylbenzene | 20.0 | 19.2 | 96 | 78-120 | |
| N-Propylbenzene | 20.0 | 21.2 | 106 | 80-120 | |
| o-Xylene | 20.0 | 20.1 | 101 | 80-120 | |
| sec-Butylbenzene | 20.0 | 20.3 | 101 | 78-120 | |
| Styrene | 20.0 | 19.1 | 96 | 76-121 | |
| t-Butylbenzene | 20.0 | 19.7 | 99 | 80-121 | |
| Toluene | 20.0 | 21.0 | 105 | 80-120 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 110719004.D

Lab ID: LCS 580-316242/4 Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|--------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| trans-1,2-Dichloroethene | 20.0 | 18.2 | 91 | 77-124 | |
| Trichlorofluoromethane | 20.0 | 16.8 | 84 | 64-136 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: 110719005.D

Lab ID: LCSD 580-316242/5

Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS | | # |
|-----------------------------|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| 1,1,1-Trichloroethane | 20.0 | 17.6 | 88 | 1 | 18 | 74-130 | |
| 1,1-Dichloroethane | 20.0 | 18.4 | 92 | 0 | 26 | 70-129 | |
| Benzene | 20.0 | 18.7 | 93 | 4 | 14 | 75-121 | |
| 1,1-Dichloropropene | 20.0 | 16.8 | 84 | 4 | 14 | 80-120 | |
| 1,2,3-Trichlorobenzene | 20.0 | 19.7 | 98 | 1 | 35 | 23-150 | |
| 1,2,3-Trichloropropane | 20.0 | 19.7 | 98 | 7 | 30 | 76-124 | |
| 1,2,4-Trichlorobenzene | 20.0 | 19.8 | 99 | 2 | 27 | 57-140 | |
| 1,2,4-Trimethylbenzene | 20.0 | 21.0 | 105 | 1 | 16 | 80-120 | |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 17.7 | 89 | 0 | 27 | 65-125 | |
| 1,2-Dichlorobenzene | 20.0 | 20.5 | 103 | 2 | 15 | 80-120 | |
| 1,2-Dichloropropane | 20.0 | 19.4 | 97 | 2 | 26 | 72-126 | |
| 1,3,5-Trimethylbenzene | 20.0 | 20.9 | 104 | 3 | 14 | 80-120 | |
| 1,3-Dichlorobenzene | 20.0 | 20.2 | 101 | 2 | 14 | 80-120 | |
| 1,3-Dichloropropane | 20.0 | 20.2 | 101 | 0 | 26 | 79-120 | |
| 2,2-Dichloropropane | 20.0 | 18.1 | 90 | 9 | 23 | 62-140 | |
| 2-Butanone | 100 | 92.1 | 92 | 6 | 29 | 65-127 | |
| 2-Chlorotoluene | 20.0 | 20.0 | 100 | 2 | 15 | 80-120 | |
| 4-Chlorotoluene | 20.0 | 19.5 | 98 | 1 | 14 | 80-120 | |
| 4-Isopropyltoluene | 20.0 | 19.8 | 99 | 1 | 13 | 77-120 | |
| 4-Methyl-2-pentanone | 100 | 101 | 101 | 0 | 22 | 69-124 | |
| Acetone | 100 | 84.9 | 85 | 6 | 35 | 43-150 | |
| Bromobenzene | 20.0 | 19.4 | 97 | 0 | 13 | 80-120 | |
| Bromochloromethane | 20.0 | 17.4 | 87 | 0 | 20 | 78-120 | |
| Carbon disulfide | 20.0 | 17.3 | 87 | 6 | 20 | 69-122 | |
| Carbon tetrachloride | 20.0 | 16.4 | 82 | 3 | 19 | 72-129 | |
| Chlorobenzene | 20.0 | 20.0 | 100 | 2 | 15 | 80-120 | |
| Chloroethane | 20.0 | 17.3 | 87 | 11 | 35 | 65-132 | |
| Chloromethane | 20.0 | 19.6 J | 98 | 1 | 23 | 52-135 | |
| cis-1,2-Dichloroethene | 20.0 | 17.7 | 88 | 3 | 15 | 76-129 | |
| Dichlorodifluoromethane | 20.0 | 15.9 | 80 | 2 | 35 | 20-150 | |
| Ethylbenzene | 20.0 | 21.3 | 106 | 2 | 14 | 80-120 | |
| Isopropylbenzene | 20.0 | 19.9 | 100 | 0 | 20 | 75-120 | |
| Methyl tert-butyl ether | 20.0 | 17.7 | 89 | 1 | 18 | 72-130 | |
| Methylene Chloride | 20.0 | 17.7 | 88 | 2 | 18 | 77-125 | |
| m-Xylene & p-Xylene | 20.0 | 19.6 | 98 | 0 | 14 | 80-120 | |
| n-Butylbenzene | 20.0 | 19.3 | 97 | 1 | 14 | 78-120 | |
| N-Propylbenzene | 20.0 | 21.5 | 108 | 2 | 13 | 80-120 | |
| o-Xylene | 20.0 | 20.4 | 102 | 2 | 16 | 80-120 | |
| sec-Butylbenzene | 20.0 | 20.2 | 101 | 0 | 15 | 78-120 | |
| Styrene | 20.0 | 19.1 | 96 | 0 | 16 | 76-121 | |
| t-Butylbenzene | 20.0 | 19.9 | 99 | 1 | 14 | 80-121 | |
| Toluene | 20.0 | 21.4 | 107 | 2 | 19 | 80-120 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 110719005.D
 Lab ID: LCSD 580-316242/5 Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCSD CONCENTRATION (ug/L) | LCSD % REC | % RPD | QC LIMITS | | # |
|--------------------------|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| trans-1,2-Dichloroethene | 20.0 | 18.3 | 91 | 0 | 21 | 77-124 | |
| Trichlorofluoromethane | 20.0 | 16.1 | 81 | 4 | 27 | 64-136 | |

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: 110719007.D Lab Sample ID: MB 580-316242/7
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: TAC001 Date Analyzed: 11/07/2019 12:15
 GC Column: DB-VRX ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---------------------|-------------------|-------------|------------------|
| | LCS 580-316242/4 | 110719004.D | 11/07/2019 10:58 |
| | LCSD 580-316242/5 | 110719005.D | 11/07/2019 11:23 |
| Trip Blank-W-191104 | 580-90546-5 | 110719008.D | 11/07/2019 12:40 |
| EQB-1-W-191104 | 580-90546-1 | 110719009.D | 11/07/2019 13:05 |
| MW-8-W-191104 | 580-90546-2 | 110719012.D | 11/07/2019 14:21 |
| MW-10-W-191104 | 580-90546-3 | 110719013.D | 11/07/2019 14:47 |
| BD-1-W-191104 | 580-90546-4 | 110719014.D | 11/07/2019 15:12 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: 093019002.D BFB Injection Date: 09/30/2019
 Instrument ID: TAC001 BFB Injection Time: 11:05
 Analysis Batch No.: 312702

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE | |
|-----|------------------------------------|----------------------|----------|
| 50 | 15.0 - 40.0 % of mass 95 | 19.9 | |
| 75 | 30.0 - 60.0 % of mass 95 | 49.2 | |
| 95 | Base Peak, 100% relative abundance | 100.0 | |
| 96 | 5.0 - 9.0 % of mass 95 | 6.2 | |
| 173 | Less than 2.0 % of mass 174 | 0.0 | (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 90.9 | |
| 175 | 5.0 - 9.0 % of mass 174 | 6.8 | (7.5) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 89.6 | (98.5) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 6.0 | (6.7) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|-------------------|-------------|---------------|---------------|
| | IC 580-312702/3 | 093019003.D | 09/30/2019 | 12:47 |
| | IC 580-312702/4 | 093019004.D | 09/30/2019 | 13:12 |
| | IC 580-312702/5 | 093019006.D | 09/30/2019 | 15:39 |
| | IC 580-312702/6 | 093019007.D | 09/30/2019 | 16:04 |
| | IC 580-312702/7 | 093019008.D | 09/30/2019 | 16:29 |
| | ICIS 580-312702/8 | 093019009.D | 09/30/2019 | 16:54 |
| | IC 580-312702/9 | 093019010.D | 09/30/2019 | 17:18 |
| | IC 580-312702/10 | 093019011.D | 09/30/2019 | 17:42 |
| | IC 580-312702/11 | 093019012.D | 09/30/2019 | 18:07 |
| | IC 580-312702/12 | 093019013.D | 09/30/2019 | 18:33 |
| | ICV 580-312702/14 | 093019015.D | 09/30/2019 | 19:21 |

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: 110719002.D BFB Injection Date: 11/07/2019
 Instrument ID: TAC001 BFB Injection Time: 10:08
 Analysis Batch No.: 316242

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50 | 15.0 - 40.0 % of mass 95 | 20.3 |
| 75 | 30.0 - 60.0 % of mass 95 | 50.8 |
| 95 | Base Peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0 % of mass 95 | 7.5 |
| 173 | Less than 2.0 % of mass 174 | 0.0 (0.0) 1 |
| 174 | 50.0 - 120.00 % of mass 95 | 90.6 |
| 175 | 5.0 - 9.0 % of mass 174 | 7.0 (7.7) 1 |
| 176 | 95.0 - 101.0 % of mass 174 | 86.8 (95.8) 1 |
| 177 | 5.0 - 9.0 % of mass 176 | 5.9 (6.8) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---------------------|--------------------|-------------|---------------|---------------|
| | CCVIS 580-316242/3 | 110719003.D | 11/07/2019 | 10:34 |
| | LCS 580-316242/4 | 110719004.D | 11/07/2019 | 10:58 |
| | LCSD 580-316242/5 | 110719005.D | 11/07/2019 | 11:23 |
| | CCVL 580-316242/6 | 110719006.D | 11/07/2019 | 11:49 |
| | MB 580-316242/7 | 110719007.D | 11/07/2019 | 12:15 |
| Trip Blank-W-191104 | 580-90546-5 | 110719008.D | 11/07/2019 | 12:40 |
| EQB-1-W-191104 | 580-90546-1 | 110719009.D | 11/07/2019 | 13:05 |
| MW-8-W-191104 | 580-90546-2 | 110719012.D | 11/07/2019 | 14:21 |
| MW-10-W-191104 | 580-90546-3 | 110719013.D | 11/07/2019 | 14:47 |
| BD-1-W-191104 | 580-90546-4 | 110719014.D | 11/07/2019 | 15:12 |

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: ICIS 580-312702/8 Date Analyzed: 09/30/2019 16:54
 Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm)
 Lab File ID (Standard): 093019009.D Heated Purge: (Y/N) N
 Calibration ID: 28308

| | TBA _d 9 | | FB | | CBN _{Zd} 5 | |
|-------------------------------|--------------------|------|--------|------|---------------------|-------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| INITIAL CALIBRATION MID-POINT | 349867 | 4.88 | 553637 | 8.74 | 450315 | 11.71 |
| UPPER LIMIT | | 5.04 | | 8.90 | | 11.87 |
| LOWER LIMIT | | 4.71 | | 8.57 | | 11.54 |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| ICV 580-312702/14 | 313624 | 4.87 | 553746 | 8.74 | 443770 | 11.71 |

TBA_d9 = TBA-d9 (IS)
 FB = Fluorobenzene (IS)
 CBN_{Zd}5 = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.1666 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: ICIS 580-312702/8 Date Analyzed: 09/30/2019 16:54
 Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm)
 Lab File ID (Standard): 093019009.D Heated Purge: (Y/N) N
 Calibration ID: 28308

| | DCBd4 | | AREA # | RT # | AREA # | RT # |
|-------------------------------|------------------|--------|--------|------|--------|------|
| | AREA # | RT # | | | | |
| INITIAL CALIBRATION MID-POINT | 233689 | 13.62 | | | | |
| UPPER LIMIT | | 13.79 | | | | |
| LOWER LIMIT | | 13.45 | | | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| ICV 580-312702/14 | | 230674 | 13.62 | | | |

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.1666 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: CCVIS 580-316242/3 Date Analyzed: 11/07/2019 10:34
 Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm)
 Lab File ID (Standard): 110719003.D Heated Purge: (Y/N) N
 Calibration ID: 28308

| | FB | | CBNZd5 | | DCBd4 | | |
|-------------------|---------------------|--------|--------|--------|--------|--------|-------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| 12/24 HOUR STD | 294599 | 8.75 | 220892 | 11.71 | 124065 | 13.63 | |
| UPPER LIMIT | | 8.91 | | 11.88 | | 13.79 | |
| LOWER LIMIT | | 8.58 | | 11.55 | | 13.46 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| LCS 580-316242/4 | | 306034 | 8.75 | 229468 | 11.71 | 116400 | 13.62 |
| LCSD 580-316242/5 | | 305629 | 8.75 | 225696 | 11.71 | 113135 | 13.62 |
| CCVL 580-316242/6 | | 287626 | 8.75 | 213194 | 11.71 | 102021 | 13.62 |
| MB 580-316242/7 | | 286886 | 8.75 | 201407 | 11.71 | 93185 | 13.62 |
| 580-90546-5 | Trip Blank-W-191104 | 282162 | 8.75 | 205908 | 11.71 | 99218 | 13.62 |
| 580-90546-1 | EQB-1-W-191104 | 276484 | 8.75 | 200507 | 11.71 | 99404 | 13.62 |
| 580-90546-2 | MW-8-W-191104 | 291709 | 8.75 | 211093 | 11.71 | 111272 | 13.63 |
| 580-90546-3 | MW-10-W-191104 | 283708 | 8.75 | 209471 | 11.71 | 99974 | 13.62 |
| 580-90546-4 | BD-1-W-191104 | 291819 | 8.75 | 213757 | 11.71 | 111515 | 13.62 |

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.1666 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: EQB-1-W-191104 Lab Sample ID: 580-90546-1
 Matrix: Water Lab File ID: 110719009.D
 Analysis Method: 8260C Date Collected: 11/04/2019 08:30
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 13:05
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|---------------------|--------|---|-----|------|
| 71-43-2 | Benzene | ND | | 3.0 | 0.53 |
| 108-88-3 | Toluene | ND | | 2.0 | 0.39 |
| 100-41-4 | Ethylbenzene | ND | | 3.0 | 0.50 |
| 179601-23-1 | m-Xylene & p-Xylene | ND | | 3.0 | 0.75 |
| 95-47-6 | o-Xylene | ND | | 2.0 | 0.39 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5 | Toluene-d8 (Surr) | 105 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 91 | | 80-120 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 92 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 80-120 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 99 | | 80-126 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-8-W-191104 Lab Sample ID: 580-90546-2
 Matrix: Water Lab File ID: 110719012.D
 Analysis Method: 8260C Date Collected: 11/04/2019 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 14:21
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|---------------------|--------|---|-----|------|
| 71-43-2 | Benzene | 47 | | 3.0 | 0.53 |
| 108-88-3 | Toluene | 3.4 | | 2.0 | 0.39 |
| 100-41-4 | Ethylbenzene | 30 | | 3.0 | 0.50 |
| 179601-23-1 | m-Xylene & p-Xylene | 68 | | 3.0 | 0.75 |
| 95-47-6 | o-Xylene | 2.6 | | 2.0 | 0.39 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5 | Toluene-d8 (Surr) | 108 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 90 | | 80-120 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 93 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 95 | | 80-120 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 97 | | 80-126 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-10-W-191104 Lab Sample ID: 580-90546-3
 Matrix: Water Lab File ID: 110719013.D
 Analysis Method: 8260C Date Collected: 11/04/2019 14:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 14:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|-----------------------------|--------|---|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 3.0 | 0.39 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 2.0 | 0.22 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 3.0 | 0.29 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 5.0 | 1.1 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 2.0 | 0.41 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.33 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 3.0 | 0.61 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.8 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 2.0 | 0.46 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 3.0 | 0.55 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 2.0 | 0.18 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 2.0 | 0.35 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 3.0 | 0.32 |
| 78-93-3 | 2-Butanone | ND | | 20 | 4.7 |
| 95-49-8 | 2-Chlorotoluene | ND | | 3.0 | 0.51 |
| 106-43-4 | 4-Chlorotoluene | ND | | 2.0 | 0.51 |
| 99-87-6 | 4-Isopropyltoluene | ND | | 3.0 | 0.28 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 15 | 2.5 |
| 67-64-1 | Acetone | ND | | 50 | 7.8 |
| 108-86-1 | Bromobenzene | ND | | 2.0 | 0.43 |
| 74-97-5 | Bromochloromethane | ND | | 2.0 | 0.29 |
| 75-15-0 | Carbon disulfide | ND | | 3.0 | 0.53 |
| 56-23-5 | Carbon tetrachloride | ND | | 3.0 | 0.30 |
| 108-90-7 | Chlorobenzene | ND | | 2.0 | 0.44 |
| 75-00-3 | Chloroethane | ND | | 5.0 | 1.1 |
| 74-87-3 | Chloromethane | ND | | 20 | 5.4 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 3.0 | 0.69 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 10 | 2.3 |
| 100-41-4 | Ethylbenzene | ND | | 3.0 | 0.50 |
| 98-82-8 | Isopropylbenzene | ND | | 2.0 | 0.51 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 2.0 | 0.44 |
| 75-09-2 | Methylene Chloride | ND | | 5.0 | 1.4 |
| 179601-23-1 | m-Xylene & p-Xylene | ND | | 3.0 | 0.75 |
| 104-51-8 | n-Butylbenzene | ND | | 3.0 | 0.44 |
| 103-65-1 | N-Propylbenzene | ND | | 3.0 | 0.50 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-10-W-191104 Lab Sample ID: 580-90546-3
 Matrix: Water Lab File ID: 110719013.D
 Analysis Method: 8260C Date Collected: 11/04/2019 14:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 14:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|--------------------------|--------|---|-----|------|
| 95-47-6 | o-Xylene | ND | | 2.0 | 0.39 |
| 135-98-8 | sec-Butylbenzene | ND | | 3.0 | 0.49 |
| 100-42-5 | Styrene | ND | | 5.0 | 1.0 |
| 98-06-6 | t-Butylbenzene | ND | | 3.0 | 0.58 |
| 108-88-3 | Toluene | ND | | 2.0 | 0.39 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 3.0 | 0.39 |
| 75-69-4 | Trichlorofluoromethane | ND | | 3.0 | 0.63 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 99 | | 80-126 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 89 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 98 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 106 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 93 | | 80-120 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: BD-1-W-191104 Lab Sample ID: 580-90546-4
 Matrix: Water Lab File ID: 110719014.D
 Analysis Method: 8260C Date Collected: 11/04/2019 00:01
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 15:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|---------------------|--------|---|-----|------|
| 71-43-2 | Benzene | 47 | | 3.0 | 0.53 |
| 108-88-3 | Toluene | 3.2 | | 2.0 | 0.39 |
| 100-41-4 | Ethylbenzene | 30 | | 3.0 | 0.50 |
| 179601-23-1 | m-Xylene & p-Xylene | 67 | | 3.0 | 0.75 |
| 95-47-6 | o-Xylene | 2.6 | | 2.0 | 0.39 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 2037-26-5 | Toluene-d8 (Surr) | 107 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 90 | | 80-120 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 93 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 95 | | 80-120 |
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 98 | | 80-126 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: Trip Blank-W-191104 Lab Sample ID: 580-90546-5
 Matrix: Water Lab File ID: 110719008.D
 Analysis Method: 8260C Date Collected: 11/04/2019 00:01
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 12:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|-----------------------------|--------|---|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 3.0 | 0.39 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 2.0 | 0.22 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 3.0 | 0.29 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 5.0 | 1.1 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 2.0 | 0.41 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.33 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 3.0 | 0.61 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.8 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 2.0 | 0.46 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 3.0 | 0.55 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 2.0 | 0.18 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 2.0 | 0.35 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 3.0 | 0.32 |
| 78-93-3 | 2-Butanone | ND | | 20 | 4.7 |
| 95-49-8 | 2-Chlorotoluene | ND | | 3.0 | 0.51 |
| 106-43-4 | 4-Chlorotoluene | ND | | 2.0 | 0.51 |
| 99-87-6 | 4-Isopropyltoluene | ND | | 3.0 | 0.28 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 15 | 2.5 |
| 67-64-1 | Acetone | ND | | 50 | 7.8 |
| 108-86-1 | Bromobenzene | ND | | 2.0 | 0.43 |
| 74-97-5 | Bromochloromethane | ND | | 2.0 | 0.29 |
| 75-15-0 | Carbon disulfide | ND | | 3.0 | 0.53 |
| 56-23-5 | Carbon tetrachloride | ND | | 3.0 | 0.30 |
| 108-90-7 | Chlorobenzene | ND | | 2.0 | 0.44 |
| 75-00-3 | Chloroethane | ND | | 5.0 | 1.1 |
| 74-87-3 | Chloromethane | ND | | 20 | 5.4 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 3.0 | 0.69 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 10 | 2.3 |
| 100-41-4 | Ethylbenzene | ND | | 3.0 | 0.50 |
| 98-82-8 | Isopropylbenzene | ND | | 2.0 | 0.51 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 2.0 | 0.44 |
| 75-09-2 | Methylene Chloride | ND | | 5.0 | 1.4 |
| 179601-23-1 | m-Xylene & p-Xylene | ND | | 3.0 | 0.75 |
| 104-51-8 | n-Butylbenzene | ND | | 3.0 | 0.44 |
| 103-65-1 | N-Propylbenzene | ND | | 3.0 | 0.50 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: Trip Blank-W-191104 Lab Sample ID: 580-90546-5
 Matrix: Water Lab File ID: 110719008.D
 Analysis Method: 8260C Date Collected: 11/04/2019 00:01
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 12:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|--------------------------|--------|---|-----|------|
| 95-47-6 | o-Xylene | ND | | 2.0 | 0.39 |
| 135-98-8 | sec-Butylbenzene | ND | | 3.0 | 0.49 |
| 100-42-5 | Styrene | ND | | 5.0 | 1.0 |
| 98-06-6 | t-Butylbenzene | ND | | 3.0 | 0.58 |
| 108-88-3 | Toluene | ND | | 2.0 | 0.39 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 3.0 | 0.39 |
| 75-69-4 | Trichlorofluoromethane | ND | | 3.0 | 0.63 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 101 | | 80-126 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 90 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 96 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 106 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 90 | | 80-120 |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|----------|-------------------|--------------|
| Level 1 | IC 580-312702/3 | 093019003.D |
| Level 2 | IC 580-312702/4 | 093019004.D |
| Level 3 | IC 580-312702/5 | 093019006.D |
| Level 4 | IC 580-312702/6 | 093019007.D |
| Level 5 | IC 580-312702/7 | 093019008.D |
| Level 6 | ICIS 580-312702/8 | 093019009.D |
| Level 7 | IC 580-312702/9 | 093019010.D |
| Level 8 | IC 580-312702/10 | 093019011.D |
| Level 9 | IC 580-312702/11 | 093019012.D |
| Level 10 | IC 580-312702/12 | 093019013.D |

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------|-------------|--------|----|---|---------|------|---|----------|------------|--------|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | | | | | | | | | | | |
| Dichlorodifluoromethane | 0.2128 0.2017 | 0.1961 0.1950 | 0.2203 0.2051 | 0.1688 0.1905 | 0.1986 0.1916 | Ave | | 0.1981 | | | 0.1000 | 7.0 | | 20.0 | | | |
| Chloromethane | 0.6321 0.2945 | 0.3834 0.2782 | 0.3587 0.2883 | 0.2962 0.2794 | 0.2960 0.2797 | Lin2 | 0.1650 | 0.2743 | | | 0.1000 | 8.5 | | 0.9920 | | 0.9900 | |
| Vinyl chloride | 0.3298 0.2955 | 0.3245 0.2838 | 0.3121 0.2951 | 0.2657 0.2791 | 0.2924 0.2844 | Ave | | 0.2962 | | | 0.1000 | 6.9 | | 20.0 | | | |
| Butadiene | 0.3688 0.2798 | 0.3157 0.2706 | 0.3067 0.2717 | 0.2478 0.2601 | 0.2715 0.2647 | Ave | | 0.2857 | | | 0.1000 | 12.5 | | 20.0 | | | |
| Bromomethane | 0.1177 0.2113 | 0.2353 0.2080 | 0.2364 0.2180 | 0.1944 0.2115 | 0.2116 0.2162 | Lin1 | -0.021 | 0.2143 | | | 0.1000 | 12.9 | | 0.9990 | | 0.9900 | |
| Chloroethane | ++++ 0.0583 | ++++ 0.0579 | 0.0609 0.0588 | 0.0542 0.0581 | 0.0588 0.0594 | Ave | | 0.0583 | * | | 0.0600 | 3.2 | | 20.0 | | | |
| Dichlorofluoromethane | ++++ 0.4597 | 0.5470 0.4411 | 0.4784 0.4566 | 0.4196 0.4488 | 0.4636 0.4602 | Ave | | 0.4639 | | | | 7.6 | | 20.0 | | | |
| Trichlorofluoromethane | 0.5070 0.4022 | 0.4364 0.3984 | 0.4178 0.3984 | 0.3564 0.3917 | 0.3938 0.4075 | Ave | | 0.4110 | | | 0.1000 | 9.6 | | 20.0 | | | |
| Ethyl ether | 0.2627 0.2253 | 0.2495 0.2146 | 0.2422 0.2122 | 0.2142 0.2116 | 0.2153 0.2229 | Ave | | 0.2270 | | | | 8.0 | | 20.0 | | | |
| Acrolein | ++++ 0.0394 | ++++ 0.0380 | 0.0443 0.0355 | 0.0347 0.0367 | 0.0382 0.0388 | Ave | | 0.0382 | | | | 7.7 | | 20.0 | | | |
| 1,1-Dichloroethene | 0.2763 0.2231 | 0.2356 0.2233 | 0.2282 0.2182 | 0.2018 0.2201 | 0.2214 0.2272 | Lin1 | 0.0129 | 0.2225 | | | 0.1000 | 5.9 | | 1.0000 | | 0.9900 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.2667 0.1996 | 0.2219 0.1941 | 0.1990 0.1963 | 0.1733 0.1917 | 0.1997 0.2057 | Lin2 | 0.0345 | 0.1913 | | | 0.1000 | 6.0 | | 0.9960 | | 0.9900 | |
| Acetone | 0.1488 0.0986 | 0.1240 0.0895 | 0.1079 0.0837 | 0.0873 0.0864 | 0.0909 0.0946 | Lin2 | 0.1546 | 0.0891 | | | 0.0200 | 6.0 | | 0.9960 | | 0.9900 | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001

GC Column: DB-VRX

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47

Calibration End Date: 09/30/2019 18:33

Calibration ID: 28308

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|--------------------------|------------------|------------------|------------------|------------------|------------------|------------|-------------|--------|----|--------|---------|------|---|----------|------------|--------|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | | | | | | | | | | | |
| Iodomethane | 0.5641 0.4166 | 0.4159 0.4100 | 0.4413 0.4069 | 0.3950 0.4097 | 0.4107 0.4235 | Lin2 | 0.0665 | 0.4034 | | | 6.0 | | | 0.9960 | | 0.9900 | |
| Carbon disulfide | 1.2235 0.8011 | 0.9002 0.7735 | 0.8617 0.7697 | 0.7354 0.7718 | 0.7865 0.7926 | Lin2 | 0.2116 | 0.7591 | | 0.1000 | 5.4 | | | 0.9970 | | 0.9900 | |
| Isopropyl alcohol | 0.6199 0.5484 | 0.6114 0.5373 | 0.6542 0.5813 | 0.4502 0.6132 | 0.5582 0.6160 | Ave | | 0.5790 | | | 10.1 | 20.0 | | | | | |
| Acetonitrile | 0.0149 0.0195 | 0.0211 0.0194 | 0.0214 0.0176 | 0.0174 0.0170 | 0.0181 0.0174 | Ave | | 0.0184 | | | 10.7 | 20.0 | | | | | |
| 3-Chloro-1-propene | 0.2717 0.1867 | 0.2139 0.1808 | 0.2323 0.1768 | 0.1859 0.1749 | 0.1843 0.1681 | Lin2 | 0.0468 | 0.1793 | | | 6.9 | | | 0.9950 | | 0.9900 | |
| Methyl acetate | 0.2850 0.1825 | 0.2172 0.1727 | 0.2013 0.1710 | 0.1692 0.1804 | 0.1740 0.1987 | Lin2 | 0.1038 | 0.1750 | | 0.1000 | 6.4 | | | 0.9950 | | 0.9900 | |
| Methylene Chloride | ++++ 0.2699 | 0.2930 0.2651 | 0.2755 0.2608 | 0.2617 0.2672 | 0.2639 0.2746 | Ave | | 0.2702 | | 0.1000 | 3.7 | 20.0 | | | | | |
| t-Butyl alcohol | 0.0335 0.0294 | 0.0314 0.0261 | 0.0330 0.0245 | 0.0274 0.0257 | 0.0271 0.0289 | Ave | | 0.0287 | | | 10.9 | 20.0 | | | | | |
| Acrylonitrile | 0.1079 0.0932 | 0.0970 0.0889 | 0.0988 0.0848 | 0.0844 0.0871 | 0.0866 0.0932 | Ave | | 0.0922 | | | 8.1 | 20.0 | | | | | |
| trans-1,2-Dichloroethene | 0.3673 0.2610 | 0.2411 0.2575 | 0.2622 0.2503 | 0.2398 0.2628 | 0.2470 0.2642 | Lin2 | 0.0451 | 0.2477 | | 0.1000 | 9.7 | | | 0.9900 | | 0.9900 | |
| Methyl tert-butyl ether | 1.0164 0.7501 | 0.7192 0.7281 | 0.7816 0.6783 | 0.6990 0.7059 | 0.7230 0.7154 | Lin2 | 0.1312 | 0.7005 | | 0.1000 | 7.1 | | | 0.9940 | | 0.9900 | |
| Hexane | 0.5026 0.3533 | 0.4206 0.3494 | 0.3669 0.3369 | 0.2896 0.3400 | 0.3510 0.3631 | Lin2 | 0.0805 | 0.3359 | | | 7.5 | | | 0.9940 | | 0.9900 | |
| 1,1-Dichloroethane | 0.7074 0.5041 | 0.5606 0.4914 | 0.5352 0.4795 | 0.4774 0.4883 | 0.4950 0.4958 | Lin2 | 0.1047 | 0.4826 | | 0.2000 | 3.4 | | | 0.9990 | | 0.9900 | |
| Vinyl acetate | 0.0741 0.0337 | 0.0461 0.0314 | 0.0392 0.0325 | 0.0343 0.0289 | 0.0335 0.0296 | Lin2 | 0.0515 | 0.0303 | | | 8.0 | | | 0.9930 | | 0.9900 | |
| 2-Chloro-1,3-butadiene | 0.5825 0.4479 | 0.4617 0.4427 | 0.4727 0.4337 | 0.4057 0.4402 | 0.4428 0.4480 | Ave | | 0.4578 | | | 10.3 | 20.0 | | | | | |
| Diisopropyl ether | 1.1250 0.9555 | 0.9980 0.9261 | 1.0135 0.9131 | 0.8969 0.9127 | 0.9292 0.9081 | Ave | | 0.9578 | | | 7.4 | 20.0 | | | | | |
| Ethyl t-butyl ether | 0.4358 0.3441 | 0.3725 0.3335 | 0.3771 0.3303 | 0.3309 0.3311 | 0.3456 0.3337 | Lin2 | 0.0624 | 0.3340 | | | 2.9 | | | 0.9990 | | 0.9900 | |
| 2,2-Dichloropropane | 0.3803 0.3348 | 0.3347 0.3313 | 0.3572 0.2992 | 0.3135 0.3193 | 0.3366 0.2870 | Ave | | 0.3294 | | | 8.2 | 20.0 | | | | | |
| cis-1,2-Dichloroethene | 0.3998 0.2888 | 0.2992 0.2892 | 0.3120 0.2796 | 0.2814 0.2904 | 0.2751 0.2944 | Lin1 | 0.0315 | 0.2887 | | 0.1000 | 7.1 | | | 0.9990 | | 0.9900 | |
| 2-Butanone | 0.0447 0.0334 | 0.0374 0.0319 | 0.0376 0.0302 | 0.0309 0.0309 | 0.0321 0.0341 | Lin2 | 0.0321 | 0.0318 | | 0.0200 | 5.3 | | | 0.9970 | | 0.9900 | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|------------------------|------------------|------------------|------------------|------------------|------------------|------------|-------------|--------|----|--------|---------|------|------|----------|------------|--------|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | | | | | | | | | | | |
| Ethyl acetate | 0.3641 0.2678 | 0.2365 0.2690 | 0.3159 0.2601 | 0.2327 0.2472 | 0.2482 0.2750 | Lin1 | 0.0443 | 0.2630 | | | 13.0 | | | 0.9980 | | 0.9900 | |
| Propionitrile | 0.0383 0.0360 | 0.0350 0.0344 | 0.0380 0.0341 | 0.0317 0.0347 | 0.0337 0.0380 | Ave | | 0.0354 | | | 6.0 | | 20.0 | | | | |
| Methacrylonitrile | 0.1344 0.1105 | 0.1090 0.1068 | 0.1171 0.1042 | 0.1000 0.1032 | 0.1034 0.1080 | Lin2 | 0.1316 | 0.1045 | | | 5.1 | | | 0.9970 | | 0.9900 | |
| Bromochloromethane | 0.2668 0.1883 | 0.1857 0.1874 | 0.2047 0.1860 | 0.1712 0.1942 | 0.1817 0.2018 | Lin1 | 0.0079 | 0.1937 | | | 12.3 | | | 0.9980 | | 0.9900 | |
| Tetrahydrofuran | ++++ 0.1079 | 0.1134 0.1025 | 0.1281 0.0987 | 0.0981 0.0986 | 0.1006 0.1064 | Ave | | 0.1060 | | | 9.2 | | 20.0 | | | | |
| Chloroform | ++++ 0.4841 | 0.4478 0.4782 | 0.5031 0.4694 | 0.4588 0.4746 | 0.4808 0.4846 | Lin2 | -0.018 | 0.4796 | | 0.2000 | 3.3 | | | 0.9990 | | 0.9900 | |
| 1,1,1-Trichloroethane | 0.5425 0.4212 | 0.4309 0.4058 | 0.4132 0.4135 | 0.3755 0.4048 | 0.4033 0.4221 | Lin2 | 0.0604 | 0.3997 | | 0.1000 | 5.6 | | | 0.9970 | | 0.9900 | |
| Cyclohexane | 0.4485 0.3950 | 0.3903 0.3937 | 0.3960 0.3937 | 0.3487 0.3895 | 0.3862 0.4063 | Ave | | 0.3948 | | 0.1000 | 6.1 | | 20.0 | | | | |
| Carbon tetrachloride | 0.3870 0.3611 | 0.4003 0.3589 | 0.3771 0.3555 | 0.3253 0.3593 | 0.3529 0.3769 | Ave | | 0.3654 | | 0.1000 | 5.7 | | 20.0 | | | | |
| 1,1-Dichloropropene | 0.5115 0.3896 | 0.3978 0.3822 | 0.4050 0.3884 | 0.3543 0.3822 | 0.3857 0.3896 | Ave | | 0.3986 | | | 10.5 | | 20.0 | | | | |
| Benzene | 1.8600 1.1111 | 1.3089 1.0787 | 1.2192 1.0959 | 1.0521 1.0806 | 1.1145 1.0943 | Lin2 | 0.3660 | 1.0588 | | 0.5000 | 5.7 | | | 0.9960 | | 0.9900 | |
| Isobutanol | 0.4599 0.4144 | 0.4899 0.4101 | 0.4163 0.4362 | 0.3910 0.4478 | 0.4255 0.4429 | Ave | | 0.4334 | | | 6.6 | | 20.0 | | | | |
| 1,2-Dichloroethane | 0.5456 0.3898 | 0.4300 0.3826 | 0.4318 0.3855 | 0.3655 0.3808 | 0.3693 0.3883 | Lin2 | 0.0790 | 0.3761 | | 0.1000 | 4.5 | | | 0.9980 | | 0.9900 | |
| Tert-amyl methyl ether | 1.0202 0.8203 | 0.8854 0.8149 | 0.8705 0.8069 | 0.7806 0.7846 | 0.8056 0.7911 | Lin2 | 0.1357 | 0.7957 | | | 2.5 | | | 0.9990 | | 0.9900 | |
| n-Heptane | 0.5876 0.3241 | 0.4048 0.3167 | 0.3464 0.3089 | 0.2835 0.3165 | 0.3168 0.3298 | Lin2 | 0.1308 | 0.3025 | | | 8.4 | | | 0.9920 | | 0.9900 | |
| n-Butyl alcohol | 0.0118 0.0085 | 0.0102 0.0079 | 0.0097 0.0074 | 0.0078 0.0078 | 0.0078 0.0087 | Lin2 | 0.0506 | 0.0080 | | | 6.5 | | | 0.9950 | | 0.9900 | |
| Trichloroethene | 0.3567 0.2936 | 0.3046 0.2936 | 0.3169 0.2949 | 0.2715 0.2992 | 0.2888 0.3139 | Lin2 | 0.0281 | 0.2924 | | 0.2000 | 4.9 | | | 0.9970 | | 0.9900 | |
| Ethyl acrylate | ++++ 0.3497 | 0.3687 0.3406 | 0.3827 0.3347 | 0.3250 0.3363 | 0.3221 0.3630 | Lin2 | 0.0361 | 0.3394 | | | 5.3 | | | 0.9970 | | 0.9900 | |
| Methylcyclohexane | 0.5995 0.4750 | 0.5088 0.4705 | 0.4641 0.4718 | 0.4186 0.4599 | 0.4712 0.4908 | Ave | | 0.4830 | | 0.1000 | 9.7 | | 20.0 | | | | |
| 1,2-Dichloropropane | 0.4471 0.2972 | 0.3375 0.2863 | 0.3249 0.2917 | 0.2804 0.2899 | 0.2874 0.2994 | Lin2 | 0.0748 | 0.2850 | | 0.1000 | 4.6 | | | 0.9980 | | 0.9900 | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001

GC Column: DB-VRX

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47

Calibration End Date: 09/30/2019 18:33

Calibration ID: 28308

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------|-------------|--------|----|--------|---------|------|---|----------|------------|--------|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | | | | | | | | | | | |
| Methyl methacrylate | 1.0676 0.2115 | 0.6734 0.1909 | 0.4256 0.1892 | 0.2638 0.1863 | 0.2240 0.2013 | Lin2 | 0.8987 | 0.1881 | | | 9.0 | | | 0.9910 | | 0.9900 | |
| Dibromomethane | 0.2533 0.1917 | 0.2010 0.1873 | 0.1911 0.1888 | 0.1751 0.1931 | 0.1818 0.2089 | Lin2 | 0.0282 | 0.1862 | | | 6.8 | | | 0.9950 | | 0.9900 | |
| Bromodichloromethane | 0.4603 0.3804 | 0.4161 0.3745 | 0.4007 0.3794 | 0.3430 0.3793 | 0.3702 0.3922 | Ave | | 0.3896 | | 0.2000 | 8.1 | 20.0 | | | | | |
| 2-Nitropropane | 0.1141 0.0981 | 0.1018 0.0924 | 0.1172 0.0894 | 0.0911 0.0921 | 0.0918 0.0999 | Lin2 | 0.0213 | 0.0946 | | | 7.8 | | | 0.9930 | | 0.9900 | |
| 2-Chloroethyl vinyl ether | 0.3454 0.2310 | 0.2762 0.2285 | 0.2640 0.2296 | 0.2162 0.2224 | 0.2272 0.2358 | Lin2 | 0.0587 | 0.2247 | | | 4.3 | | | 0.9980 | | 0.9900 | |
| cis-1,3-Dichloropropene | 0.7909 0.5767 | 0.6319 0.5672 | 0.6320 0.5810 | 0.5669 0.5558 | 0.5730 0.5670 | Lin2 | 0.1061 | 0.5629 | | 0.2000 | 3.2 | | | 0.9990 | | 0.9900 | |
| 4-Methyl-2-pentanone | 0.1359 0.1285 | 0.1358 0.1230 | 0.1421 0.1199 | 0.1226 0.1158 | 0.1235 0.1220 | Ave | | 0.1269 | | 0.0600 | 6.6 | 20.0 | | | | | |
| Toluene | 2.1815 1.4481 | 1.6645 1.4219 | 1.6188 1.4411 | 1.3579 1.3625 | 1.4505 1.2944 | Lin2 | 0.3838 | 1.3744 | | 0.4000 | 5.1 | | | 0.9970 | | 0.9900 | |
| trans-1,3-Dichloropropene | 0.7779 0.5364 | 0.6059 0.5190 | 0.5792 0.5302 | 0.4859 0.5161 | 0.5225 0.5267 | Lin2 | 0.1242 | 0.5115 | | 0.1000 | 4.7 | | | 0.9980 | | 0.9900 | |
| Ethyl methacrylate | 0.5629 0.4430 | 0.4610 0.4369 | 0.5080 0.4429 | 0.4290 0.4273 | 0.4398 0.4452 | Lin2 | 0.0587 | 0.4367 | | | 4.9 | | | 0.9970 | | 0.9900 | |
| 1,1,2-Trichloroethane | 0.3671 0.2890 | 0.2877 0.2912 | 0.3203 0.2940 | 0.2693 0.2865 | 0.2882 0.2970 | Lin1 | 0.0180 | 0.2920 | | 0.1000 | 6.9 | | | 1.0000 | | 0.9900 | |
| Tetrachloroethene | 0.3922 0.2969 | 0.3378 0.2955 | 0.3360 0.3091 | 0.2671 0.3017 | 0.2950 0.3114 | Lin2 | 0.0469 | 0.2960 | | 0.2000 | 5.6 | | | 0.9960 | | 0.9900 | |
| 1,3-Dichloropropene | 0.7146 0.5190 | 0.5402 0.5121 | 0.5745 0.5142 | 0.4831 0.4993 | 0.5142 0.5127 | Lin1 | 0.0769 | 0.5084 | | | 6.0 | | | 1.0000 | | 0.9900 | |
| 2-Hexanone | 0.1461 0.1347 | 0.1397 0.1312 | 0.1501 0.1278 | 0.1240 0.1220 | 0.1303 0.1278 | Ave | | 0.1334 | | 0.0600 | 7.0 | 20.0 | | | | | |
| n-Butyl acetate | 0.7382 0.5575 | 0.6079 0.5317 | 0.6268 0.5256 | 0.5252 0.5096 | 0.5375 0.5229 | Lin2 | 0.1042 | 0.5276 | | | 4.4 | | | 0.9980 | | 0.9900 | |
| Dibromochloromethane | 0.5173 0.3565 | 0.3902 0.3505 | 0.4208 0.3624 | 0.3353 0.3550 | 0.3464 0.3654 | Lin1 | 0.0552 | 0.3585 | | 0.1000 | 7.5 | | | 0.9990 | | 0.9900 | |
| 1,2-Dibromoethane | 0.4549 0.3077 | 0.3328 0.2998 | 0.3454 0.3013 | 0.2767 0.2979 | 0.3016 0.3102 | Lin1 | 0.0514 | 0.3028 | | 0.1000 | 8.0 | | | 0.9990 | | 0.9900 | |
| Chlorobenzene | 1.1489 0.9283 | 0.9964 0.9138 | 0.9704 0.9423 | 0.8788 0.9141 | 0.9181 0.8995 | Ave | | 0.9510 | | 0.5000 | 8.1 | 20.0 | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.5088 0.3548 | 0.4136 0.3538 | 0.3990 0.3615 | 0.3123 0.3509 | 0.3443 0.3570 | Lin2 | 0.0788 | 0.3449 | | | 5.9 | | | 0.9960 | | 0.9900 | |
| Ethylbenzene | 2.2943 1.6170 | 1.7452 1.5833 | 1.7547 1.5860 | 1.4947 1.4731 | 1.6170 1.3537 | Lin2 | 0.3667 | 1.5089 | | 0.1000 | 6.6 | | | 0.9950 | | 0.9900 | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------|-------------|--------|----|--------|---------|------|------|----------|------------|--------|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | | | | | | | | | | | |
| m-Xylene & p-Xylene | 1.6698 1.2718 | 1.4080 1.2591 | 1.3454 1.2715 | 1.1856 1.2183 | 1.2883 1.1783 | Lin2 | 0.2127 | 1.2266 | | 0.1000 | 3.7 | | | 0.9980 | | 0.9900 | |
| o-Xylene | 1.6965 1.3103 | 1.4197 1.2802 | 1.3982 1.2995 | 1.2206 1.2138 | 1.3047 1.1457 | Lin1 | 0.2934 | 1.2145 | | 0.3000 | 6.4 | | | 0.9970 | | 0.9900 | |
| Styrene | 1.3216 1.0085 | 1.0001 0.9937 | 1.0305 1.0105 | 0.9068 0.9795 | 0.9826 0.9495 | Lin2 | 0.1498 | 0.9599 | | 0.3000 | 6.2 | | | 0.9960 | | 0.9900 | |
| Bromoform | 0.3103 0.2475 | 0.2524 0.2505 | 0.2465 0.2514 | 0.2268 0.2467 | 0.2410 0.2599 | Lin1 | 0.0020 | 0.2525 | | 0.1000 | 8.7 | | | 0.9990 | | 0.9900 | |
| Isopropylbenzene | 1.8853 1.5788 | 1.6182 1.5331 | 1.6514 1.5521 | 1.4553 1.4358 | 1.5813 1.3254 | Lin2 | 0.1921 | 1.4867 | | 0.1000 | 5.9 | | | 0.9960 | | 0.9900 | |
| 1,1,2,2-Tetrachloroethane | 0.8407 0.6923 | 0.7946 0.6519 | 0.7960 0.6550 | 0.6507 0.6179 | 0.6689 0.6593 | Lin2 | 0.1050 | 0.6618 | | 0.3000 | 5.9 | | | 0.9960 | | 0.9900 | |
| Bromobenzene | 1.1022 0.8193 | 0.8610 0.7966 | 0.9176 0.8196 | 0.7729 0.8145 | 0.7905 0.8566 | Lin1 | 0.0723 | 0.8269 | | | 7.4 | | | 0.9990 | | 0.9900 | |
| trans-1,4-Dichloro-2-butene | 0.3642 0.2126 | 0.2562 0.1968 | 0.2460 0.1976 | 0.2013 0.1929 | 0.1969 0.2112 | Lin1 | 0.0681 | 0.2010 | | | 7.0 | | | 0.9980 | | 0.9900 | |
| 1,2,3-Trichloropropane | 0.2542 0.2119 | 0.2838 0.1960 | 0.2613 0.1958 | 0.2143 0.1893 | 0.1998 0.2052 | Ave | | 0.2211 | | | 14.9 | | 20.0 | | | | |
| N-Propylbenzene | 4.5051 3.7022 | 3.9416 3.4806 | 4.0675 3.4542 | 3.4629 3.1523 | 3.6540 2.9290 | Lin2 | 0.5867 | 3.4061 | | | 7.8 | | | 0.9930 | | 0.9900 | |
| 2-Chlorotoluene | 0.9834 0.7456 | 0.7892 0.7076 | 0.9047 0.7487 | 0.7070 0.7174 | 0.7376 0.7544 | Lin1 | 0.1124 | 0.7357 | | | 7.0 | | | 0.9990 | | 0.9900 | |
| 1,3,5-Trimethylbenzene | 3.0744 2.5512 | 2.7345 2.4437 | 2.9155 2.4887 | 2.3915 2.3032 | 2.5689 2.2449 | Lin1 | 0.5865 | 2.3429 | | | 9.7 | | | 0.9980 | | 0.9900 | |
| 4-Chlorotoluene | 1.0364 0.7608 | 0.8097 0.7553 | 0.8426 0.7860 | 0.7214 0.7517 | 0.7488 0.8006 | Lin2 | 0.1254 | 0.7524 | | | 5.4 | | | 0.9970 | | 0.9900 | |
| t-Butylbenzene | 2.6775 2.2418 | 2.3703 2.1230 | 2.4786 2.2018 | 2.1307 2.0413 | 2.2059 2.0475 | Lin1 | 0.4124 | 2.0910 | | | 6.5 | | | 0.9990 | | 0.9900 | |
| 1,2,4-Trimethylbenzene | 3.3765 2.6324 | 2.9354 2.4918 | 2.9490 2.5375 | 2.5400 2.3473 | 2.6355 2.2794 | Lin1 | 0.7358 | 2.3855 | | | 9.6 | | | 0.9980 | | 0.9900 | |
| sec-Butylbenzene | 3.6350 3.2226 | 3.5909 3.0364 | 3.5444 3.0764 | 3.0484 2.7757 | 3.1565 2.6756 | Lin2 | 0.3912 | 3.0236 | | | 7.4 | | | 0.9940 | | 0.9900 | |
| 1,3-Dichlorobenzene | 1.9840 1.4676 | 1.5792 1.4112 | 1.5519 1.4731 | 1.3522 1.4229 | 1.4116 1.4525 | Lin2 | 0.2614 | 1.4087 | | 0.6000 | 4.4 | | | 0.9980 | | 0.9900 | |
| 4-Isopropyltoluene | 3.3630 2.7634 | 2.8415 2.6233 | 2.9262 2.6780 | 2.5587 2.4680 | 2.7181 2.3815 | Lin2 | 0.3769 | 2.5852 | | | 5.3 | | | 0.9970 | | 0.9900 | |
| 1,4-Dichlorobenzene | 2.0473 1.4877 | 1.5194 1.4287 | 1.5998 1.4826 | 1.3669 1.4298 | 1.4231 1.4592 | Lin2 | 0.2726 | 1.4181 | | 0.5000 | 6.0 | | | 0.9960 | | 0.9900 | |
| 1,2,3-Trimethylbenzene | 3.5289 2.6686 | 2.7169 2.5046 | 3.0565 2.5699 | 2.5306 2.3147 | 2.6069 2.2292 | Lin2 | 0.5029 | 2.4765 | | | 8.0 | | | 0.9930 | | 0.9900 | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | RRF | | | | | CURVE TYPE | COEFFICIENT | | | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|------------------------------|------------------|------------------|------------------|------------------|------------------|------------|-------------|--------|----|--------|---------|------|------|----------|------------|--------|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | | B | M1 | M2 | | | | | | | | |
| | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | | | | | | | | | | | |
| Benzyl chloride | 0.5571 0.2554 | 0.3555 0.2366 | 0.2946 0.2407 | 0.2473 0.2232 | 0.2601 0.2356 | Lin2 | 0.1543 | 0.2304 | | | 7.2 | | | 0.9940 | | 0.9900 | |
| n-Butylbenzene | 1.0219 0.6549 | 0.7106 0.6311 | 0.6931 0.6595 | 0.5800 0.6236 | 0.6481 0.6426 | Lin2 | 0.1769 | 0.6175 | | | 7.7 | | | 0.9930 | | 0.9900 | |
| 1,2-Dichlorobenzene | 1.8525 1.4330 | 1.5268 1.3598 | 1.5704 1.3999 | 1.3259 1.3009 | 1.3715 1.3163 | Lin2 | 0.2433 | 1.3508 | | 0.4000 | 4.6 | | | 0.9980 | | 0.9900 | |
| 1,2-Dibromo-3-Chloropropane | ++++ 0.1483 | 0.1607 0.1371 | 0.1834 0.1385 | 0.1398 0.1211 | 0.1327 0.1247 | Ave | | 0.1429 | | 0.0500 | 13.5 | | 20.0 | | | | |
| 1,3,5-Trichlorobenzene | 1.5468 1.0634 | 1.1455 0.9825 | 1.1127 1.0067 | 0.9803 0.9070 | 1.0470 0.9027 | Lin2 | 0.2714 | 0.9636 | | | 6.5 | | | 0.9950 | | 0.9900 | |
| 1,2,4-Trichlorobenzene | ++++ 0.8663 | 0.9167 0.8092 | 0.9610 0.8005 | 0.7971 0.7249 | 0.8370 0.7250 | Lin1 | 0.3459 | 0.7534 | | 0.2000 | 11.5 | | | 0.9960 | | 0.9900 | |
| Hexachlorobutadiene | 0.6013 0.4405 | 0.5220 0.4195 | 0.5421 0.4329 | 0.4271 0.3940 | 0.4506 0.3994 | Lin2 | 0.0961 | 0.4255 | | | 7.2 | | | 0.9940 | | 0.9900 | |
| Naphthalene | ++++ 1.9267 | ++++ 1.7431 | 2.2997 1.6524 | 1.7652 1.4821 | 1.7929 1.4917 | Lin2 | 1.3262 | 1.6200 | | | 8.9 | | | 0.9910 | | 0.9900 | |
| 1,2,3-Trichlorobenzene | ++++ 0.7471 | 0.7708 0.6785 | 0.7859 0.6508 | 0.7025 0.5887 | 0.7319 0.5898 | Ave | | 0.6940 | | | 10.5 | | 20.0 | | | | |
| Dibromofluoromethane (Surr) | 0.2588 0.2556 | 0.2565 0.2616 | 0.2537 0.2486 | 0.2582 0.2550 | 0.2562 0.2556 | Ave | | 0.2560 | | | 1.3 | | 20.0 | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 0.3052 0.3104 | 0.3105 0.3099 | 0.3141 0.2990 | 0.3143 0.3052 | 0.3125 0.3162 | Ave | | 0.3097 | | | 1.7 | | 20.0 | | | | |
| Trifluorotoluene (Surr) | 0.5080 0.5069 | 0.5402 0.5160 | 0.5137 0.5190 | 0.5034 0.5262 | 0.5027 0.5454 | Ave | | 0.5181 | | | 2.9 | | 20.0 | | | | |
| Toluene-d8 (Surr) | 1.2678 1.2373 | 1.3090 1.2614 | 1.2991 1.2507 | 1.2674 1.2307 | 1.2530 1.2440 | Ave | | 1.2620 | | | 2.0 | | 20.0 | | | | |
| 4-Bromofluorobenzene (Surr) | 0.4459 0.4427 | 0.4324 0.4522 | 0.4301 0.4468 | 0.4385 0.4481 | 0.4429 | Ave | | 0.4420 | | | 1.6 | | 20.0 | | | | |

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|----------|-------------------|--------------|
| Level 1 | IC 580-312702/3 | 093019003.D |
| Level 2 | IC 580-312702/4 | 093019004.D |
| Level 3 | IC 580-312702/5 | 093019006.D |
| Level 4 | IC 580-312702/6 | 093019007.D |
| Level 5 | IC 580-312702/7 | 093019008.D |
| Level 6 | ICIS 580-312702/8 | 093019009.D |
| Level 7 | IC 580-312702/9 | 093019010.D |
| Level 8 | IC 580-312702/10 | 093019011.D |
| Level 9 | IC 580-312702/11 | 093019012.D |
| Level 10 | IC 580-312702/12 | 093019013.D |

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---------------------------------------|--------|------------|-----------------|-----------------|-----------------|------------------|-------------------|----------------------|----------------|----------------|----------------|-----------------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 LVL 10 | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 LVL 10 |
| Dichlorodifluoromethane | FB | Ave | 3009 114531 | 5301 285522 | 12418 442588 | 23968 559829 | 55867 815133 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Chloromethane | FB | Lin2 | 8940 167218 | 10362 407380 | 20225 622127 | 42065 821071 | 83257 1189658 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Vinyl chloride | FB | Ave | 4664 167791 | 8771 415650 | 17597 636735 | 37736 820123 | 82237 1209488 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Butadiene | FB | Ave | 5216 158899 | 8531 396288 | 17291 586243 | 35186 764373 | 76365 1126085 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Bromomethane | FB | Lin1 | 1665 120002 | 6359 304586 | 13329 470455 | 27610 621506 | 59504 919581 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Chloroethane | FB | Ave | ++++ 33108 | ++++ 84742 | 3431 126954 | 7703 170624 | 16534 252775 | ++++ 20.0 | ++++ 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Dichlorofluoromethane | FB | Ave | ++++ 261030 | 14784 645978 | 26974 985240 | 59583 1318754 | 130407 1957599 | ++++ 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Trichlorofluoromethane | FB | Ave | 7170 228403 | 11795 583389 | 23557 859651 | 50607 1150936 | 110769 1733142 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Ethyl ether | FB | Ave | 3716 127916 | 6744 314321 | 13658 457806 | 30416 621639 | 60546 947993 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Acrolein | FB | Ave | ++++ 134231 | ++++ 333886 | 15001 459525 | 29583 646596 | 64406 989618 | ++++ 120 | ++++ 300 | 12.0 450 | 30.0 600 | 60.0 900 |
| 1,1-Dichloroethene | FB | Lin1 | 3908 126667 | 6367 327010 | 12864 470803 | 28654 646687 | 62277 966274 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | FB | Lin2 | 3772 113317 | 5998 284190 | 11219 423515 | 24605 563317 | 56183 874764 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Acetone | FB | Lin2 | 10524 279978 | 16761 655200 | 30404 903290 | 61973 1269180 | 127811 2012247 | 2.50 100 | 5.00 250 | 10.0 375 | 25.0 500 | 50.0 750 |
| Iodomethane | FB | Lin2 | 7978 236584 | 11240 600470 | 24879 878049 | 56088 1203739 | 115526 1801185 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001

GC Column: DB-VRX

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47

Calibration End Date: 09/30/2019 18:33

Calibration ID: 28308

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|--------------------------|------------|------------|----------|---------|---------|---------|---------|----------------------|-------|-------|-------|--------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 |
| Carbon disulfide | FB | Lin2 | 17304 | 24329 | 48580 | 104428 | 221215 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| | | | 454868 | 1132810 | 1660756 | 2267884 | 3371153 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| Isopropyl alcohol | TBAd 9 | Ave | 2337 | 5100 | 12109 | 19875 | 44359 | 5.00 | 10.0 | 20.0 | 50.0 | 100 |
| | | | 98389 | 229886 | 329428 | 479219 | 783194 | 200 | 500 | 750 | 1000 | 1500 |
| Acetonitrile | FB | Ave | 2628 | 7112 | 15060 | 30952 | 63679 | 6.25 | 12.5 | 25.0 | 62.5 | 125 |
| 3-Chloro-1-propene | CBNZ d5 | Lin2 | 138195 | 355059 | 473496 | 626008 | 924197 | 250 | 625 | 938 | 1250 | 1875 |
| | | | 3069 | 4708 | 10261 | 21115 | 41446 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| Methyl acetate | FB | Lin2 | 86234 | 213322 | 304806 | 423027 | 600731 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 8061 | 11738 | 22695 | 49419 | 95181 | 1.00 | 2.00 | 4.00 | 10.0 | 20.0 |
| Methylene Chloride | FB | Ave | 207308 | 505853 | 737991 | 1060376 | 1689983 | 40.0 | 100 | 150 | 200 | 300 |
| | | | ++++ | 7918 | 15530 | 37169 | 74229 | ++++ | 1.00 | 2.00 | 5.00 | 10.0 |
| t-Butyl alcohol | FB | Ave | 153285 | 388248 | 562748 | 785068 | 1167927 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 4741 | 8492 | 18626 | 38935 | 76160 | 5.00 | 10.0 | 20.0 | 50.0 | 100 |
| Acrylonitrile | FB | Ave | 166681 | 381963 | 528732 | 755509 | 1228329 | 200 | 500 | 750 | 1000 | 1500 |
| | | | 15266 | 26220 | 55677 | 119856 | 243702 | 5.00 | 10.0 | 20.0 | 50.0 | 100 |
| trans-1,2-Dichloroethene | FB | Lin2 | 529287 | 1302302 | 1829029 | 2560117 | 3963002 | 200 | 500 | 750 | 1000 | 1500 |
| | | | 5195 | 6517 | 14784 | 34060 | 69461 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| Methyl tert-butyl ether | FB | Lin2 | 148185 | 377108 | 540064 | 772068 | 1123946 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 14375 | 19436 | 44067 | 99269 | 203362 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| Hexane | FB | Lin2 | 425931 | 1066300 | 1463559 | 2074037 | 3042904 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 7108 | 11367 | 20688 | 41128 | 98736 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| 1,1-Dichloroethane | FB | Lin2 | 200596 | 511667 | 726842 | 999022 | 1544341 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 10004 | 15151 | 30176 | 67790 | 139229 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| Vinyl acetate | FB | Lin2 | 286266 | 719626 | 1034647 | 1434859 | 2108656 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 2620 | 3114 | 5523 | 12165 | 23541 | 1.25 | 2.50 | 5.00 | 12.5 | 25.0 |
| 2-Chloro-1,3-butadiene | FB | Ave | 47895 | 114858 | 175172 | 212030 | 314662 | 50.0 | 125 | 188 | 250 | 375 |
| | | | 8238 | 12477 | 26652 | 57613 | 124539 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| Diisopropyl ether | FB | Ave | 254320 | 648351 | 935716 | 1293399 | 1905475 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 19888 | 33713 | 71426 | 159210 | 326688 | 0.625 | 1.25 | 2.50 | 6.25 | 12.5 |
| Ethyl t-butyl ether | FB | Lin2 | 678189 | 1695305 | 2462769 | 3352120 | 4828187 | 25.0 | 62.5 | 93.8 | 125 | 188 |
| | | | 7705 | 12585 | 26575 | 58743 | 121505 | 0.625 | 1.25 | 2.50 | 6.25 | 12.5 |
| 2,2-Dichloropropane | FB | Ave | 244264 | 610566 | 890755 | 1216152 | 1774417 | 25.0 | 62.5 | 93.8 | 125 | 188 |
| | | | 5378 | 9046 | 20139 | 44520 | 94688 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| cis-1,2-Dichloroethene | FB | Lin1 | 190097 | 485199 | 645528 | 938344 | 1220542 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 5654 | 8087 | 17588 | 39959 | 77374 | 0.500 | 1.00 | 2.00 | 5.00 | 10.0 |
| 2-Butanone | FB | Lin2 | 163980 | 423539 | 603289 | 853223 | 1252294 | 20.0 | 50.0 | 75.0 | 100 | 150 |
| | | | 3158 | 5048 | 10587 | 21942 | 45204 | 2.50 | 5.00 | 10.0 | 25.0 | 50.0 |
| Ethyl acetate | FB | Lin1 | 94761 | 233626 | 326241 | 453697 | 726074 | 100 | 250 | 375 | 500 | 750 |
| | | | 10298 | 12785 | 35626 | 66093 | 139649 | 1.00 | 2.00 | 4.00 | 10.0 | 20.0 |
| Propionitrile | FB | Ave | 304104 | 787906 | 1122284 | 1452874 | 2339190 | 40.0 | 100 | 150 | 200 | 300 |
| | | | 6765 | 11840 | 26760 | 56329 | 118627 | 6.25 | 12.5 | 25.0 | 62.5 | 125 |
| | | | 255216 | 629789 | 919427 | 1274287 | 2018384 | 250 | 625 | 938 | 1250 | 1875 |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|------------------------|----------|------------|-----------------|------------------|------------------|-------------------|-------------------|----------------------|----------------|----------------|----------------|-----------------|
| | | | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 LVL 10 | LVL 1 LVL 6 | LVL 2 LVL 7 | LVL 3 LVL 8 | LVL 4 LVL 9 | LVL 5 LVL 10 |
| Methacrylonitrile | FB | Lin2 | 19003 627470 | 29451 1563700 | 66037 2248897 | 142022 3032795 | 290696 4592281 | 5.00 200 | 10.0 500 | 20.0 750 | 50.0 1000 | 100 1500 |
| Bromochloromethane | FB | Lin1 | 3774 106927 | 5019 274481 | 11541 401401 | 24312 570534 | 51119 858384 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Tetrahydrofuran | FB | Ave | ++++ 122563 | 6129 300168 | 14447 425761 | 27870 579208 | 56579 905284 | ++++ 40.0 | 2.00 100 | 4.00 150 | 10.0 200 | 20.0 300 |
| Chloroform | FB | Lin2 | ++++ 274884 | 12102 700251 | 28364 1012860 | 65156 1394653 | 135243 2061036 | ++++ 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,1,1-Trichloroethane | FB | Lin2 | 7672 239150 | 11645 594352 | 23295 892284 | 53324 1189491 | 113428 1795258 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Cyclohexane | FB | Ave | 6343 224311 | 10548 576633 | 22325 849559 | 49521 1144581 | 108641 1728176 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Carbon tetrachloride | FB | Ave | 5473 205036 | 10819 525572 | 21260 767117 | 46198 1055879 | 99271 1603295 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,1-Dichloropropene | FB | Ave | 7234 221224 | 10752 559717 | 22833 838081 | 50320 1123115 | 108497 1657262 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Benzene | FB | Lin2 | 26305 630911 | 35373 1579719 | 68741 2364573 | 149408 3175088 | 313469 4654517 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Isobutanol | TBA 9 | Ave | 4335 185872 | 10216 438713 | 19262 618058 | 43148 874987 | 84534 1407821 | 12.5 500 | 25.0 1250 | 50.0 1875 | 125 2500 | 250 3750 |
| 1,2-Dichloroethane | FB | Lin2 | 7716 221357 | 11621 560289 | 24344 831741 | 51898 1118805 | 103871 1651541 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Tert-amyl methyl ether | FB | Lin2 | 18036 582213 | 29909 1491840 | 61347 2176381 | 138560 2881766 | 283243 4205813 | 0.625 25.0 | 1.25 62.5 | 2.50 93.8 | 6.25 125 | 12.5 188 |
| n-Heptane | FB | Lin2 | 8310 184050 | 10939 463858 | 19528 666422 | 40253 930096 | 89105 1402705 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| n-Butyl alcohol | FB | Lin2 | 4173 120484 | 6894 290023 | 13611 399365 | 27586 572218 | 54764 926607 | 12.5 500 | 25.0 1250 | 50.0 1875 | 125 2500 | 250 3750 |
| Trichloroethene | FB | Lin2 | 5045 166744 | 8233 429917 | 17868 636325 | 38552 879239 | 81230 1335039 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Ethyl acrylate | FB | Lin2 | ++++ 198579 | 9965 498835 | 21579 722167 | 46158 988215 | 90606 1543959 | ++++ 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Methylcyclohexane | FB | Ave | 8479 269736 | 13751 688973 | 26166 1017908 | 59446 1351333 | 132543 2087451 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2-Dichloropropane | FB | Lin2 | 6323 168756 | 9120 419314 | 18318 629466 | 39816 851710 | 80848 1273444 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Methyl methacrylate | FB | Lin2 | 30198 240225 | 36399 559172 | 47995 816263 | 74919 1094921 | 126030 1712037 | 1.00 40.0 | 2.00 100 | 4.00 150 | 10.0 200 | 20.0 300 |
| Dibromomethane | FB | Lin2 | 3583 108843 | 5433 274271 | 10776 407464 | 24864 567412 | 51145 888567 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Bromodichloromethane | FB | Ave | 6510 216009 | 11245 548510 | 22594 818679 | 48715 1114408 | 104132 1668246 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001

GC Column: DB-VRX

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47

Calibration End Date: 09/30/2019 18:33

Calibration ID: 28308

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|---------------------------|------------|------------|-----------------|------------------|------------------|-------------------|-------------------|----------------------|--------------|--------------|-------------|-------------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 |
| 2-Nitropropane | FB | Lin2 | 3227 111384 | 5501 270543 | 13218 385828 | 25872 541275 | 51628 850034 | 1.00 40.0 | 2.00 100 | 4.00 150 | 10.0 200 | 20.0 300 |
| 2-Chloroethyl vinyl ether | CBNZ d5 | Lin2 | 3901 106703 | 6080 269516 | 11662 395922 | 24562 537857 | 51095 842513 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| cis-1,3-Dichloropropene | CBNZ d5 | Lin2 | 8934 266373 | 13909 669147 | 27918 1001611 | 64400 1344319 | 128884 2026313 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 4-Methyl-2-pentanone | CBNZ d5 | Ave | 7678 296852 | 14940 725812 | 31384 1033879 | 69652 1400734 | 138943 2180703 | 2.50 100 | 5.00 250 | 10.0 375 | 25.0 500 | 50.0 750 |
| Toluene | CBNZ d5 | Lin2 | 24641 668829 | 36637 1677441 | 71513 2484505 | 154260 3295254 | 326265 4625511 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| trans-1,3-Dichloropropene | CBNZ d5 | Lin2 | 8787 247726 | 13335 612239 | 25589 914033 | 55201 1248194 | 117532 1882267 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Ethyl methacrylate | CBNZ d5 | Lin2 | 6358 204599 | 10147 515382 | 22441 763555 | 48737 1033404 | 98915 1591054 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,1,2-Trichloroethane | CBNZ d5 | Lin1 | 4147 133476 | 6333 343511 | 14152 506800 | 30588 692981 | 64817 1061492 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Tetrachloroethene | CBNZ d5 | Lin2 | 4430 137112 | 7434 348657 | 14842 532939 | 30342 729582 | 66346 1112959 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,3-Dichloropropane | CBNZ d5 | Lin1 | 8072 239705 | 11891 604146 | 25381 886573 | 54884 1207641 | 115648 1832069 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 2-Hexanone | CBNZ d5 | Ave | 8253 311113 | 15375 774022 | 33149 1101241 | 70411 1475362 | 146547 2284144 | 2.50 100 | 5.00 250 | 10.0 375 | 25.0 500 | 50.0 750 |
| n-Butyl acetate | CBNZ d5 | Lin2 | 8338 257499 | 13379 627212 | 27690 906189 | 59665 1232481 | 120890 1868517 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Dibromochloromethane | CBNZ d5 | Lin1 | 5843 164649 | 8589 413510 | 18589 624861 | 38087 858641 | 77925 1305601 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2-Dibromoethane | CBNZ d5 | Lin1 | 5138 142111 | 7326 353710 | 15261 519403 | 31429 720529 | 67829 1108453 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Chlorobenzene | CBNZ d5 | Ave | 12977 428740 | 21931 1078057 | 42870 1624538 | 99833 2210672 | 206497 3214363 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,1,1,2-Tetrachloroethane | CBNZ d5 | Lin2 | 5747 163881 | 9103 417393 | 17629 623325 | 35475 848636 | 77447 1275564 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Ethylbenzene | CBNZ d5 | Lin2 | 25916 746838 | 38413 1867766 | 77517 2734383 | 169791 3562706 | 363710 4837595 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| m-Xylene & p-Xylene | CBNZ d5 | Lin2 | 18862 587387 | 30990 1485391 | 59437 2192071 | 134683 2946423 | 289767 4210603 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| o-Xylene | CBNZ d5 | Lin1 | 19163 605179 | 31249 1510204 | 61770 2240370 | 138655 2935540 | 293451 4094317 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Styrene | CBNZ d5 | Lin2 | 14928 465768 | 22013 1172299 | 45524 1742162 | 103014 2369067 | 221022 3393081 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Bromoform | CBNZ d5 | Lin1 | 3505 114320 | 5555 295533 | 10888 433388 | 25760 596670 | 54217 928720 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001

GC Column: DB-VRX

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47

Calibration End Date: 09/30/2019 18:33

Calibration ID: 28308

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|-----------------------------|---------|------------|-----------------|------------------|------------------|-------------------|-------------------|----------------------|--------------|--------------|-------------|-------------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 |
| Isopropylbenzene | CBNZ d5 | Lin2 | 21296 729194 | 35616 1808588 | 72953 2675912 | 165320 3472458 | 355682 4736310 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,1,2,2-Tetrachloroethane | DCBd 4 | Lin2 | 4889 165932 | 8669 412134 | 17247 597085 | 37071 794207 | 78158 1189396 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Bromobenzene | DCBd 4 | Lin1 | 6410 196379 | 9393 503593 | 19882 747096 | 44033 1046854 | 92367 1545135 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| trans-1,4-Dichloro-2-butene | DCBd 4 | Lin1 | 2118 50951 | 2795 124449 | 5329 180123 | 11467 247959 | 23006 381024 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2,3-Trichloropropane | DCBd 4 | Ave | 1478 50786 | 3096 123890 | 5662 178467 | 12211 243261 | 23341 370218 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| N-Propylbenzene | DCBd 4 | Lin2 | 26199 887345 | 43003 2200451 | 88129 3148553 | 197290 4051737 | 426975 5283625 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 2-Chlorotoluene | DCBd 4 | Lin1 | 5719 178700 | 8610 447321 | 19602 682448 | 40277 922148 | 86190 1360898 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,3,5-Trimethylbenzene | DCBd 4 | Lin1 | 17879 611476 | 29833 1544952 | 63168 2268449 | 136251 2960388 | 300178 4049494 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 4-Chlorotoluene | DCBd 4 | Lin2 | 6027 182355 | 8834 477529 | 18256 716452 | 41100 966196 | 87493 1444255 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| t-Butylbenzene | DCBd 4 | Lin1 | 15571 537308 | 25860 1342162 | 53702 2006956 | 121392 2623689 | 257760 3693530 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2,4-Trimethylbenzene | DCBd 4 | Lin1 | 19636 630931 | 32025 1575317 | 63894 2312940 | 144709 3017080 | 307965 4111876 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| sec-Butylbenzene | DCBd 4 | Lin2 | 21139 772394 | 39176 1919656 | 76795 2804145 | 173674 3567677 | 368834 4826575 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,3-Dichlorobenzene | DCBd 4 | Lin2 | 11538 351761 | 17229 892197 | 33625 1342790 | 77036 1828871 | 164941 2620151 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 4-Isopropyltoluene | DCBd 4 | Lin2 | 19557 662324 | 31001 1658485 | 63400 2441081 | 145774 3172241 | 317616 4295965 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,4-Dichlorobenzene | DCBd 4 | Lin2 | 11906 356563 | 16577 903227 | 34661 1351453 | 77878 1837759 | 166292 2632271 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2,3-Trimethylbenzene | DCBd 4 | Lin2 | 20522 639618 | 29641 1583423 | 66223 2342459 | 144175 2975168 | 304615 4021288 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Benzyl chloride | DCBd 4 | Lin2 | 3240 61205 | 3879 149609 | 6382 219428 | 14091 286836 | 30391 424970 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| n-Butylbenzene | DCBd 4 | Lin2 | 5943 156962 | 7753 398957 | 15016 601140 | 33045 801483 | 75727 1159267 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2-Dichlorobenzene | DCBd 4 | Lin2 | 10773 343461 | 16657 859688 | 34025 1276074 | 75538 1672088 | 160257 2374428 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2-Dibromo-3-Chloropropane | DCBd 4 | Ave | +++++ 35554 | 1753 86692 | 3973 126276 | 7962 155673 | 15504 224937 | +++++ 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,3,5-Trichlorobenzene | DCBd 4 | Lin2 | 8995 254877 | 12497 621134 | 24109 917637 | 55853 1165775 | 122347 1628386 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | IS REF | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|------------------------------|---------|------------|------------------|------------------|------------------|-------------------|-------------------|----------------------|--------------|--------------|--------------|--------------|
| | | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 |
| 1,2,4-Trichlorobenzene | DCBd 4 | Lin1 | ++++ 207632 | 10001 511571 | 20822 729694 | 45412 931798 | 97806 1307814 | ++++ 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Hexachlorobutadiene | DCBd 4 | Lin2 | 3497 105591 | 5695 265192 | 11746 394551 | 24334 506453 | 52655 720525 | 0.500 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Naphthalene | DCBd 4 | Lin2 | ++++ 461803 | ++++ 1102008 | 49826 1506226 | 100566 1904948 | 209507 2690893 | ++++ 20.0 | ++++ 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| 1,2,3-Trichlorobenzene | DCBd 4 | Ave | ++++ 179066 | 8409 428933 | 17027 593229 | 40026 756651 | 85525 1063926 | ++++ 20.0 | 1.00 50.0 | 2.00 75.0 | 5.00 100 | 10.0 150 |
| Dibromofluoromethane (Surr) | FB | Ave | 142748 141524 | 135192 149394 | 139484 139457 | 142979 146110 | 140500 141313 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 |
| 1,2-Dichloroethane-d4 (Surr) | FB | Ave | 168324 171832 | 163615 177026 | 172645 167757 | 174075 174863 | 171409 174824 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 |
| Trifluorotoluene (Surr) | FB | Ave | 287247 287693 | 291866 302165 | 289522 298487 | 285819 309087 | 282666 309155 | 20.0 20.0 | 20.0 20.0 | 20.0 20.0 | 20.0 20.0 | 20.0 20.0 |
| Toluene-d8 (Surr) | CBNZ d5 | Ave | 558491 557193 | 561806 580349 | 559546 560641 | 561512 580407 | 549582 577929 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 |
| 4-Bromofluorobenzene (Surr) | CBNZ d5 | Ave | 196437 199353 | 185591 208031 | 185270 200296 | 194271 211324 | 192944 205758 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 | 19.5 19.5 |

Curve Type Legend:

| |
|-----------------------------|
| Ave = Average ISTD |
| Lin1 = Linear 1/conc ISTD |
| Lin2 = Linear 1/conc^2 ISTD |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|----------|-------------------|--------------|
| Level 1 | IC 580-312702/3 | 093019003.D |
| Level 2 | IC 580-312702/4 | 093019004.D |
| Level 3 | IC 580-312702/5 | 093019006.D |
| Level 4 | IC 580-312702/6 | 093019007.D |
| Level 5 | IC 580-312702/7 | 093019008.D |
| Level 6 | ICIS 580-312702/8 | 093019009.D |
| Level 7 | IC 580-312702/9 | 093019010.D |
| Level 8 | IC 580-312702/10 | 093019011.D |
| Level 9 | IC 580-312702/11 | 093019012.D |
| Level 10 | IC 580-312702/12 | 093019013.D |

| ANALYTE | PERCENT ERROR | | | | | | PERCENT ERROR LIMIT | | | | | |
|---------------------------------------|--------------------|--------------------|--------------------|---------------------|---------|---------|---------------------|----------------|----------------|-----------------|-------|-------|
| | LVL 1 # LVL 7 # | LVL 2 # LVL 8 # | LVL 3 # LVL 9 # | LVL 4 # LVL 10 # | LVL 5 # | LVL 6 # | LVL 1 LVL 7 | LVL 2 LVL 8 | LVL 3 LVL 9 | LVL 4 LVL 10 | LVL 5 | LVL 6 |
| Dichlorodifluoromethane | 7.4 | | | | | | 50 | | | | | |
| Chloromethane | 10.2 | | | | | | 30 | | | | | |
| Vinyl chloride | 11.3 | | | | | | 50 | | | | | |
| Butadiene | 29.1 | | | | | | 50 | | | | | |
| Bromomethane | -25.2 | | | | | | 30 | | | | | |
| Chloroethane | +++++ | +++++ | 4.4 | | | | | | 50 | | | |
| Dichlorofluoromethane | +++++ | 17.9 | | | | | | 50 | | | | |
| Trichlorofluoromethane | 23.4 | | | | | | 50 | | | | | |
| Ethyl ether | 15.7 | | | | | | 50 | | | | | |
| Acrolein | +++++ | +++++ | 16.1 | | | | | | 50 | | | |
| 1,1-Dichloroethene | 12.6 | | | | | | 30 | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 3.3 | | | | | | 30 | | | | | |
| Acetone | -2.4 | | | | | | 30 | | | | | |
| Iodomethane | 6.8 | | | | | | 30 | | | | | |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | PERCENT ERROR | | | | | | PERCENT ERROR LIMIT | | | | | |
|--------------------------|---------------|---------|---------|----------|---------|---------|---------------------|-------|-------|--------|-------|-------|
| | LVL 1 # | LVL 2 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| | LVL 7 # | LVL 8 # | LVL 9 # | LVL 10 # | | | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | |
| Carbon disulfide | 5.4 | | | | | | 30 | | | | | |
| Isopropyl alcohol | 7.1 | | | | | | 50 | | | | | |
| Acetonitrile | -19.1 | | | | | | 50 | | | | | |
| 3-Chloro-1-propene | -0.6 | | | | | | 30 | | | | | |
| Methyl acetate | 3.6 | | | | | | 30 | | | | | |
| Methylene Chloride | +++++ | 8.4 | | | | | | 50 | | | | |
| t-Butyl alcohol | 16.8 | | | | | | 50 | | | | | |
| Acrylonitrile | 17.1 | | | | | | 50 | | | | | |
| trans-1,2-Dichloroethene | 11.8 | | | | | | 30 | | | | | |
| Methyl tert-butyl ether | 7.6 | | | | | | 30 | | | | | |
| Hexane | 1.7 | | | | | | 30 | | | | | |
| 1,1-Dichloroethane | 3.2 | | | | | | 30 | | | | | |
| Vinyl acetate | 8.7 | | | | | | 30 | | | | | |
| 2-Chloro-1,3-butadiene | 27.2 | | | | | | 50 | | | | | |
| Diisopropyl ether | 17.5 | | | | | | 50 | | | | | |
| Ethyl t-butyl ether | 0.6 | | | | | | 30 | | | | | |
| 2,2-Dichloropropane | 15.4 | | | | | | 50 | | | | | |
| cis-1,2-Dichloroethene | 16.6 | | | | | | 30 | | | | | |
| 2-Butanone | 0.0 | | | | | | 30 | | | | | |
| Ethyl acetate | 21.6 | | | | | | 30 | | | | | |
| Propionitrile | 8.1 | | | | | | 50 | | | | | |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | PERCENT ERROR | | | | | | PERCENT ERROR LIMIT | | | | | |
|------------------------|---------------|---------|---------|----------|---------|---------|---------------------|-------|-------|--------|-------|-------|
| | LVL 1 # | LVL 2 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| | LVL 7 # | LVL 8 # | LVL 9 # | LVL 10 # | | | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | |
| Methacrylonitrile | 3.4 | | | | | | 30 | | | | | |
| Bromochloromethane | 29.6 | | | | | | 30 | | | | | |
| Tetrahydrofuran | +++++ | 6.9 | | | | | | 50 | | | | |
| Chloroform | +++++ | -2.8 | | | | | | 30 | | | | |
| 1,1,1-Trichloroethane | 5.5 | | | | | | 30 | | | | | |
| Cyclohexane | 13.6 | | | | | | 50 | | | | | |
| Carbon tetrachloride | 5.9 | | | | | | 50 | | | | | |
| 1,1-Dichloropropene | 28.3 | | | | | | 50 | | | | | |
| Benzene | 6.5 | | | | | | 30 | | | | | |
| Isobutanol | 6.1 | | | | | | 50 | | | | | |
| 1,2-Dichloroethane | 3.1 | | | | | | 30 | | | | | |
| Tert-amyl methyl ether | 0.9 | | | | | | 30 | | | | | |
| n-Heptane | 7.7 | | | | | | 30 | | | | | |
| n-Butyl alcohol | -2.6 | | | | | | 30 | | | | | |
| Trichloroethene | 2.8 | | | | | | 30 | | | | | |
| Ethyl acrylate | +++++ | -2.0 | | | | | | 30 | | | | |
| Methylcyclohexane | 24.1 | | | | | | 50 | | | | | |
| 1,2-Dichloropropane | 4.4 | | | | | | 30 | | | | | |
| Methyl methacrylate | -10.2 | | | | | | 30 | | | | | |
| Dibromomethane | 5.8 | | | | | | 30 | | | | | |
| Bromodichloromethane | 18.1 | | | | | | 50 | | | | | |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | PERCENT ERROR | | | | | | PERCENT ERROR LIMIT | | | | | |
|---------------------------|---------------|---------|---------|----------|---------|---------|---------------------|-------|-------|--------|-------|-------|
| | LVL 1 # | LVL 2 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| | LVL 7 # | LVL 8 # | LVL 9 # | LVL 10 # | | | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | |
| 2-Nitropropane | -1.9 | | | | | | 30 | | | | | |
| 2-Chloroethyl vinyl ether | 1.4 | | | | | | 30 | | | | | |
| cis-1,3-Dichloropropene | 2.8 | | | | | | 30 | | | | | |
| 4-Methyl-2-pentanone | 7.1 | | | | | | 50 | | | | | |
| Toluene | 2.9 | | | | | | 30 | | | | | |
| trans-1,3-Dichloropropene | 3.5 | | | | | | 30 | | | | | |
| Ethyl methacrylate | 2.0 | | | | | | 30 | | | | | |
| 1,1,2-Trichloroethane | 13.4 | | | | | | 30 | | | | | |
| Tetrachloroethene | 0.8 | | | | | | 30 | | | | | |
| 1,3-Dichloropropane | 10.3 | | | | | | 30 | | | | | |
| 2-Hexanone | 9.6 | | | | | | 50 | | | | | |
| n-Butyl acetate | 0.4 | | | | | | 30 | | | | | |
| Dibromochloromethane | 13.5 | | | | | | 30 | | | | | |
| 1,2-Dibromoethane | 16.3 | | | | | | 30 | | | | | |
| Chlorobenzene | 20.8 | | | | | | 50 | | | | | |
| 1,1,1,2-Tetrachloroethane | 1.8 | | | | | | 30 | | | | | |
| Ethylbenzene | 3.5 | | | | | | 30 | | | | | |
| m-Xylene & p-Xylene | 1.4 | | | | | | 30 | | | | | |
| o-Xylene | -8.6 | | | | | | 30 | | | | | |
| Styrene | 6.5 | | | | | | 30 | | | | | |
| Bromoform | 21.3 | | | | | | 30 | | | | | |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | PERCENT ERROR | | | | | | PERCENT ERROR LIMIT | | | | | |
|-----------------------------|---------------|---------|---------|----------|---------|---------|---------------------|-------|-------|--------|-------|-------|
| | LVL 1 # | LVL 2 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| | LVL 7 # | LVL 8 # | LVL 9 # | LVL 10 # | | | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | |
| Isopropylbenzene | 1.0 | | | | | | 30 | | | | | |
| 1,1,2,2-Tetrachloroethane | -4.7 | | | | | | 30 | | | | | |
| Bromobenzene | 15.8 | | | | | | 30 | | | | | |
| trans-1,4-Dichloro-2-butene | 13.4 | | | | | | 30 | | | | | |
| 1,2,3-Trichloropropane | 14.9 | | | | | | 50 | | | | | |
| N-Propylbenzene | -2.2 | | | | | | 30 | | | | | |
| 2-Chlorotoluene | 3.1 | | | | | | 30 | | | | | |
| 1,3,5-Trimethylbenzene | -18.8 | | | | | | 30 | | | | | |
| 4-Chlorotoluene | 4.4 | | | | | | 30 | | | | | |
| t-Butylbenzene | -11.4 | | | | | | 30 | | | | | |
| 1,2,4-Trimethylbenzene | -20.1 | | | | | | 30 | | | | | |
| sec-Butylbenzene | -5.7 | | | | | | 30 | | | | | |
| 1,3-Dichlorobenzene | 3.7 | | | | | | 30 | | | | | |
| 4-Isopropyltoluene | 0.9 | | | | | | 30 | | | | | |
| 1,4-Dichlorobenzene | 5.9 | | | | | | 30 | | | | | |
| 1,2,3-Trimethylbenzene | 1.9 | | | | | | 30 | | | | | |
| Benzyl chloride | 7.8 | | | | | | 30 | | | | | |
| n-Butylbenzene | 8.2 | | | | | | 30 | | | | | |
| 1,2-Dichlorobenzene | 1.1 | | | | | | 30 | | | | | |
| 1,2-Dibromo-3-Chloropropane | +++++ | 12.4 | | | | | | 50 | | | | |
| 1,3,5-Trichlorobenzene | 4.2 | | | | | | 30 | | | | | |

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 312702

SDG No.: _____

Instrument ID: TAC001 GC Column: DB-VRX ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/30/2019 12:47 Calibration End Date: 09/30/2019 18:33 Calibration ID: 28308

| ANALYTE | PERCENT ERROR | | | | | | PERCENT ERROR LIMIT | | | | | |
|------------------------------|---------------|---------|---------|----------|---------|---------|---------------------|-------|-------|--------|-------|-------|
| | LVL 1 # | LVL 2 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| | LVL 7 # | LVL 8 # | LVL 9 # | LVL 10 # | | | LVL 7 | LVL 8 | LVL 9 | LVL 10 | | |
| 1,2,4-Trichlorobenzene | +++++ | -24.2 | | | | | | 30 | | | | |
| Hexachlorobutadiene | -3.8 | | | | | | 30 | | | | | |
| Naphthalene | +++++ | +++++ | 1.0 | | | | | | 30 | | | |
| 1,2,3-Trichlorobenzene | +++++ | 11.1 | | | | | | 50 | | | | |
| Dibromofluoromethane (Surr) | 1.1 | | | | | | 50 | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | -1.5 | | | | | | 50 | | | | | |
| Trifluorotoluene (Surr) | -2.0 | | | | | | 50 | | | | | |
| Toluene-d8 (Surr) | 0.5 | | | | | | 50 | | | | | |
| 4-Bromofluorobenzene (Surr) | 0.9 | | | | | | 50 | | | | | |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-312702/14 Calibration Date: 09/30/2019 19:21
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 093019015.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---------------------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Dichlorodifluoromethane | Ave | 0.1981 | 0.2044 | 0.1000 | 20.6 | 20.0 | 3.2 | 30.0 |
| Chloromethane | Lin2 | | 0.2963 | 0.1000 | 21.0 | 20.0 | 5.0 | 30.0 |
| Vinyl chloride | Ave | 0.2962 | 0.3031 | 0.1000 | 20.5 | 20.0 | 2.3 | 30.0 |
| Butadiene | Ave | 0.2857 | 0.2632 | | 18.4 | 20.0 | -7.9 | 30.0 |
| Bromomethane | Lin1 | | 0.2059 | 0.1000 | 19.3 | 20.0 | -3.4 | 30.0 |
| Chloroethane | Ave | 0.0583 | 0.0638 | 0.0600 | 21.9 | 20.0 | 9.5 | 30.0 |
| Dichlorofluoromethane | Ave | 0.4639 | 0.4731 | | 20.4 | 20.0 | 2.0 | 30.0 |
| Trichlorofluoromethane | Ave | 0.4110 | 0.4162 | 0.1000 | 20.3 | 20.0 | 1.3 | 30.0 |
| Ethyl ether | Ave | 0.2270 | 0.2287 | | 20.1 | 20.0 | 0.7 | 30.0 |
| Acrolein | Ave | 0.0382 | 0.0319 | | 100 | 120 | -16.4 | 30.0 |
| 1,1-Dichloroethene | Lin1 | | 0.2369 | 0.1000 | 21.2 | 20.0 | 6.2 | 30.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Lin2 | | 0.1995 | 0.1000 | 20.7 | 20.0 | 3.4 | 30.0 |
| Acetone | Lin2 | | 0.1011 | 0.0200 | 112 | 100 | 11.7 | 30.0 |
| Iodomethane | Lin2 | | 0.4320 | | 21.3 | 20.0 | 6.3 | 30.0 |
| Carbon disulfide | Lin2 | | 0.8272 | 0.1000 | 21.5 | 20.0 | 7.6 | 30.0 |
| Isopropyl alcohol | Ave | 0.5790 | 0.5543 | | 191 | 200 | -4.3 | 30.0 |
| Acetonitrile | Ave | 0.0184 | 0.0189 | | 257 | 250 | 2.9 | 30.0 |
| 3-Chloro-1-propene | Lin2 | | 0.1898 | | 20.9 | 20.0 | 4.5 | 30.0 |
| Methyl acetate | Lin2 | | 0.1713 | 0.1000 | 38.6 | 40.0 | -3.6 | 30.0 |
| Methylene Chloride | Ave | 0.2702 | 0.2680 | 0.1000 | 19.8 | 20.0 | -0.8 | 30.0 |
| t-Butyl alcohol | Ave | 0.0287 | 0.0267 | | 186 | 200 | -6.9 | 30.0 |
| Acrylonitrile | Ave | 0.0922 | 0.0890 | | 193 | 200 | -3.5 | 30.0 |
| trans-1,2-Dichloroethene | Lin2 | | 0.2707 | 0.1000 | 21.7 | 20.0 | 8.4 | 30.0 |
| Methyl tert-butyl ether | Lin2 | | 0.7263 | 0.1000 | 20.5 | 20.0 | 2.7 | 30.0 |
| Hexane | Lin2 | | 0.3545 | | 20.9 | 20.0 | 4.3 | 30.0 |
| 1,1-Dichloroethane | Lin2 | | 0.5024 | 0.2000 | 20.6 | 20.0 | 3.0 | 30.0 |
| Vinyl acetate | Lin2 | | 0.0256 | | 40.6 | 50.0 | -18.8 | 30.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.4578 | 0.4484 | | 19.6 | 20.0 | -2.1 | 30.0 |
| Diisopropyl ether | Ave | 0.9578 | 0.9462 | | 24.7 | 25.0 | -1.2 | 30.0 |
| Ethyl t-butyl ether | Lin2 | | 0.3346 | | 24.9 | 25.0 | -0.6 | 30.0 |
| 2,2-Dichloropropane | Ave | 0.3294 | 0.3273 | | 19.9 | 20.0 | -0.6 | 30.0 |
| cis-1,2-Dichloroethene | Lin1 | | 0.3015 | 0.1000 | 20.8 | 20.0 | 3.9 | 30.0 |
| 2-Butanone | Lin2 | | 0.0333 | 0.0200 | 104 | 100 | 3.8 | 30.0 |
| Ethyl acetate | Lin1 | | 0.2578 | | 39.0 | 40.0 | -2.4 | 30.0 |
| Propionitrile | Ave | 0.0354 | 0.0337 | | 238 | 250 | -4.9 | 30.0 |
| Methacrylonitrile | Lin2 | | 0.1040 | | 198 | 200 | -1.2 | 30.0 |
| Bromochloromethane | Lin1 | | 0.1879 | | 19.4 | 20.0 | -3.2 | 30.0 |
| Tetrahydrofuran | Ave | 0.1060 | 0.0982 | | 37.0 | 40.0 | -7.4 | 30.0 |
| Chloroform | Lin2 | | 0.4827 | 0.2000 | 20.2 | 20.0 | 0.8 | 30.0 |
| 1,1,1-Trichloroethane | Lin2 | | 0.4213 | 0.1000 | 20.9 | 20.0 | 4.6 | 30.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-312702/14 Calibration Date: 09/30/2019 19:21
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 093019015.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|---------|--------|---------|-------------|--------------|------|--------|
| Cyclohexane | Ave | 0.3948 | 0.4038 | 0.1000 | 20.5 | 20.0 | 2.3 | 30.0 |
| Carbon tetrachloride | Ave | 0.3654 | 0.3712 | 0.1000 | 20.3 | 20.0 | 1.6 | 30.0 |
| 1,1-Dichloropropene | Ave | 0.3986 | 0.3829 | | 19.2 | 20.0 | -3.9 | 30.0 |
| Benzene | Lin2 | | 1.122 | 0.5000 | 20.8 | 20.0 | 4.2 | 30.0 |
| Isobutanol | Ave | 0.4334 | 0.4219 | | 487 | 500 | -2.7 | 30.0 |
| 1,2-Dichloroethane | Lin2 | | 0.3906 | 0.1000 | 20.6 | 20.0 | 2.8 | 30.0 |
| Tert-amyl methyl ether | Lin2 | | 0.8381 | | 26.2 | 25.0 | 4.6 | 30.0 |
| n-Heptane | Lin2 | | 0.3169 | | 20.5 | 20.0 | 2.6 | 30.0 |
| n-Butyl alcohol | Lin2 | | 0.0078 | | 482 | 500 | -3.6 | 30.0 |
| Trichloroethene | Lin2 | | 0.3058 | 0.2000 | 20.8 | 20.0 | 4.1 | 30.0 |
| Ethyl acrylate | Lin2 | | 0.3232 | | 18.9 | 20.0 | -5.3 | 30.0 |
| Methylcyclohexane | Ave | 0.4830 | 0.4783 | 0.1000 | 19.8 | 20.0 | -1.0 | 30.0 |
| 1,2-Dichloropropane | Lin2 | | 0.2939 | 0.1000 | 20.4 | 20.0 | 1.8 | 30.0 |
| Dibromomethane | Lin2 | | 0.1884 | | 20.1 | 20.0 | 0.4 | 30.0 |
| Methyl methacrylate | Lin2 | | 0.1976 | | 37.2 | 40.0 | -6.9 | 30.0 |
| Bromodichloromethane | Ave | 0.3896 | 0.3829 | 0.2000 | 19.7 | 20.0 | -1.7 | 30.0 |
| 2-Nitropropane | Lin2 | | 0.0881 | | 37.0 | 40.0 | -7.4 | 30.0 |
| 2-Chloroethyl vinyl ether | Lin2 | | 0.2219 | | 19.5 | 20.0 | -2.6 | 30.0 |
| cis-1,3-Dichloropropene | Lin2 | | 0.5710 | 0.2000 | 20.1 | 20.0 | 0.5 | 30.0 |
| 4-Methyl-2-pentanone | Ave | 0.1269 | 0.1235 | 0.0600 | 97.3 | 100 | -2.7 | 30.0 |
| Toluene | Lin2 | | 1.455 | 0.4000 | 20.9 | 20.0 | 4.5 | 30.0 |
| trans-1,3-Dichloropropene | Lin2 | | 0.4906 | 0.1000 | 18.9 | 20.0 | -5.3 | 30.0 |
| Ethyl methacrylate | Lin2 | | 0.4392 | | 20.0 | 20.0 | -0.0 | 30.0 |
| 1,1,2-Trichloroethane | Lin1 | | 0.2924 | 0.1000 | 20.0 | 20.0 | -0.2 | 30.0 |
| Tetrachloroethene | Lin2 | | 0.3035 | 0.2000 | 20.3 | 20.0 | 1.7 | 30.0 |
| 1,3-Dichloropropane | Lin1 | | 0.4988 | | 19.5 | 20.0 | -2.6 | 30.0 |
| 2-Hexanone | Ave | 0.1334 | 0.1406 | 0.0600 | 105 | 100 | 5.4 | 30.0 |
| n-Butyl acetate | Lin2 | | 0.5353 | | 20.1 | 20.0 | 0.5 | 30.0 |
| Dibromochloromethane | Lin1 | | 0.3540 | 0.1000 | 19.6 | 20.0 | -2.0 | 30.0 |
| 1,2-Dibromoethane | Lin1 | | 0.2995 | 0.1000 | 19.6 | 20.0 | -1.9 | 30.0 |
| Chlorobenzene | Ave | 0.9510 | 0.9431 | 0.5000 | 19.8 | 20.0 | -0.8 | 30.0 |
| 1,1,1,2-Tetrachloroethane | Lin2 | | 0.3559 | | 20.4 | 20.0 | 2.1 | 30.0 |
| Ethylbenzene | Lin2 | | 1.652 | 0.1000 | 21.6 | 20.0 | 8.2 | 30.0 |
| m-Xylene & p-Xylene | Lin2 | | 1.307 | 0.1000 | 21.1 | 20.0 | 5.7 | 30.0 |
| o-Xylene | Lin1 | | 1.344 | 0.3000 | 21.9 | 20.0 | 9.5 | 30.0 |
| Styrene | Lin2 | | 1.055 | 0.3000 | 21.8 | 20.0 | 9.1 | 30.0 |
| Bromoform | Lin1 | | 0.2444 | 0.1000 | 19.4 | 20.0 | -3.2 | 30.0 |
| Isopropylbenzene | Lin2 | | 1.636 | 0.1000 | 21.9 | 20.0 | 9.4 | 30.0 |
| 1,1,2,2-Tetrachloroethane | Lin2 | | 0.6717 | 0.3000 | 20.1 | 20.0 | 0.7 | 30.0 |
| Bromobenzene | Lin1 | | 0.8272 | | 19.9 | 20.0 | -0.4 | 30.0 |
| trans-1,4-Dichloro-2-butene | Lin1 | | 0.2106 | | 20.6 | 20.0 | 3.1 | 30.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-312702/14 Calibration Date: 09/30/2019 19:21
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 093019015.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|--------|---------|-------------|--------------|------|--------|
| 1,2,3-Trichloropropane | Ave | 0.2211 | 0.2078 | | 18.8 | 20.0 | -6.0 | 30.0 |
| N-Propylbenzene | Lin2 | | 3.793 | | 22.1 | 20.0 | 10.5 | 30.0 |
| 2-Chlorotoluene | Lin1 | | 0.7532 | | 20.3 | 20.0 | 1.6 | 30.0 |
| 1,3,5-Trimethylbenzene | Lin1 | | 2.635 | | 22.2 | 20.0 | 11.2 | 30.0 |
| 4-Chlorotoluene | Lin2 | | 0.7769 | | 20.5 | 20.0 | 2.4 | 30.0 |
| t-Butylbenzene | Lin1 | | 2.283 | | 21.6 | 20.0 | 8.2 | 30.0 |
| 1,2,4-Trimethylbenzene | Lin1 | | 2.716 | | 22.5 | 20.0 | 12.3 | 30.0 |
| sec-Butylbenzene | Lin2 | | 3.309 | | 21.8 | 20.0 | 8.8 | 30.0 |
| 1,3-Dichlorobenzene | Lin2 | | 1.473 | 0.6000 | 20.7 | 20.0 | 3.6 | 30.0 |
| 4-Isopropyltoluene | Lin2 | | 2.779 | | 21.4 | 20.0 | 6.8 | 30.0 |
| 1,4-Dichlorobenzene | Lin2 | | 1.512 | 0.5000 | 21.1 | 20.0 | 5.7 | 30.0 |
| 1,2,3-Trimethylbenzene | Lin2 | | 2.720 | | 21.8 | 20.0 | 8.8 | 30.0 |
| Benzyl chloride | Lin2 | | 0.2271 | | 19.0 | 20.0 | -4.8 | 30.0 |
| n-Butylbenzene | Lin2 | | 0.6699 | | 21.4 | 20.0 | 7.0 | 30.0 |
| 1,2-Dichlorobenzene | Lin2 | | 1.405 | 0.4000 | 20.6 | 20.0 | 3.1 | 30.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1429 | 0.1459 | 0.0500 | 20.4 | 20.0 | 2.1 | 30.0 |
| 1,3,5-Trichlorobenzene | Lin2 | | 1.045 | | 21.4 | 20.0 | 7.0 | 30.0 |
| 1,2,4-Trichlorobenzene | Lin1 | | 0.8647 | 0.2000 | 22.5 | 20.0 | 12.5 | 30.0 |
| Hexachlorobutadiene | Lin2 | | 0.4714 | | 21.9 | 20.0 | 9.7 | 30.0 |
| Naphthalene | Lin2 | | 1.839 | | 21.9 | 20.0 | 9.4 | 30.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.6940 | 0.7306 | | 21.1 | 20.0 | 5.3 | 30.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2560 | 0.2589 | | 19.7 | 19.5 | 1.2 | 30.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3097 | 0.3057 | | 19.2 | 19.5 | -1.3 | 30.0 |
| Trifluorotoluene (Surr) | Ave | 0.5181 | 0.4980 | | 19.2 | 20.0 | -3.9 | 30.0 |
| Toluene-d8 (Surr) | Ave | 1.262 | 1.232 | | 19.0 | 19.5 | -2.4 | 30.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4420 | 0.4503 | | 19.9 | 19.5 | 1.9 | 30.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-316242/3 Calibration Date: 11/07/2019 10:34
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 110719003.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---------------------------------------|------------|---------|---------|---------|-------------|--------------|--------|--------|
| Dichlorodifluoromethane | Ave | 0.1981 | 0.1508 | 0.1000 | 15.2 | 20.0 | -23.9* | 20.0 |
| Chloromethane | Lin2 | | 0.2554 | 0.1000 | 18.0 | 20.0 | -9.9 | 20.0 |
| Vinyl chloride | Ave | 0.2962 | 0.2945 | 0.1000 | 19.9 | 20.0 | -0.6 | 20.0 |
| Butadiene | Ave | 0.2857 | 0.2838 | | 19.9 | 20.0 | -0.7 | 20.0 |
| Bromomethane | Lin1 | | 0.1996 | 0.1000 | 18.7 | 20.0 | -6.4 | 20.0 |
| Chloroethane | Ave | 0.0583 | 0.0534* | 0.0600 | 18.3 | 20.0 | -8.5 | 20.0 |
| Dichlorofluoromethane | Ave | 0.4639 | 0.4210 | | 18.2 | 20.0 | -9.2 | 20.0 |
| Trichlorofluoromethane | Ave | 0.4110 | 0.3361 | 0.1000 | 16.4 | 20.0 | -18.2 | 20.0 |
| Ethyl ether | Ave | 0.2270 | 0.1983 | | 17.5 | 20.0 | -12.6 | 20.0 |
| Acrolein | Ave | 0.0382 | 0.0384 | | 121 | 120 | 0.6 | 20.0 |
| 1,1-Dichloroethene | Lin1 | | 0.1895 | 0.1000 | 17.0 | 20.0 | -15.1 | 20.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Lin2 | | 0.1658 | 0.1000 | 17.1 | 20.0 | -14.3 | 20.0 |
| Acetone | Lin2 | | 0.0746 | 0.0200 | 81.9 | 100 | -18.1 | 20.0 |
| Iodomethane | Lin2 | | 0.3420 | | 16.8 | 20.0 | -16.1 | 20.0 |
| Carbon disulfide | Lin2 | | 0.7093 | 0.1000 | 18.4 | 20.0 | -7.9 | 20.0 |
| Isopropyl alcohol | Ave | 0.5790 | 0.2898 | | 100 | 200 | -50.0* | 20.0 |
| Acetonitrile | Ave | 0.0184 | 0.0200 | | 272 | 250 | 8.7 | 20.0 |
| 3-Chloro-1-propene | Lin2 | | 0.1693 | | 18.6 | 20.0 | -6.9 | 20.0 |
| Methyl acetate | Lin2 | | 0.1862 | 0.1000 | 42.0 | 40.0 | 4.9 | 20.0 |
| Methylene Chloride | Ave | 0.2702 | 0.2510 | 0.1000 | 18.6 | 20.0 | -7.1 | 20.0 |
| t-Butyl alcohol | Ave | 0.0287 | 0.0248 | | 173 | 200 | -13.6 | 20.0 |
| Acrylonitrile | Ave | 0.0922 | 0.0926 | | 201 | 200 | 0.4 | 20.0 |
| trans-1,2-Dichloroethene | Lin2 | | 0.2334 | 0.1000 | 18.7 | 20.0 | -6.7 | 20.0 |
| Methyl tert-butyl ether | Lin2 | | 0.6561 | 0.1000 | 18.5 | 20.0 | -7.3 | 20.0 |
| Hexane | Lin2 | | 0.3407 | | 20.0 | 20.0 | 0.2 | 20.0 |
| 1,1-Dichloroethane | Lin2 | | 0.4516 | 0.2000 | 18.5 | 20.0 | -7.5 | 20.0 |
| Vinyl acetate | Lin2 | | 0.0472 | | 76.3 | 50.0 | 52.5* | 20.0 |
| 2-Chloro-1,3-butadiene | Ave | 0.4578 | 0.3827 | | 16.7 | 20.0 | -16.4 | 20.0 |
| Diisopropyl ether | Ave | 0.9578 | 0.8785 | | 22.9 | 25.0 | -8.3 | 20.0 |
| Ethyl t-butyl ether | Lin2 | | 0.2859 | | 21.2 | 25.0 | -15.2 | 20.0 |
| 2,2-Dichloropropane | Ave | 0.3294 | 0.3390 | | 20.6 | 20.0 | 2.9 | 20.0 |
| cis-1,2-Dichloroethene | Lin1 | | 0.2599 | 0.1000 | 17.9 | 20.0 | -10.5 | 20.0 |
| 2-Butanone | Lin2 | | 0.0290 | 0.0200 | 90.1 | 100 | -9.9 | 20.0 |
| Ethyl acetate | Lin1 | | 0.2585 | | 39.1 | 40.0 | -2.1 | 20.0 |
| Propionitrile | Ave | 0.0354 | 0.0369 | | 260 | 250 | 4.2 | 20.0 |
| Methacrylonitrile | Lin2 | | 0.1094 | | 208 | 200 | 4.0 | 20.0 |
| Bromochloromethane | Lin1 | | 0.1787 | | 18.4 | 20.0 | -8.0 | 20.0 |
| Tetrahydrofuran | Ave | 0.1060 | 0.1061 | | 40.0 | 40.0 | 0.0 | 20.0 |
| Chloroform | Lin2 | | 0.4388 | 0.2000 | 18.3 | 20.0 | -8.3 | 20.0 |
| 1,1,1-Trichloroethane | Lin2 | | 0.3530 | 0.1000 | 17.5 | 20.0 | -12.4 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-316242/3 Calibration Date: 11/07/2019 10:34
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 110719003.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|---------|--------|---------|-------------|--------------|--------|--------|
| Cyclohexane | Ave | 0.3948 | 0.3334 | 0.1000 | 16.9 | 20.0 | -15.6 | 20.0 |
| Carbon tetrachloride | Ave | 0.3654 | 0.3046 | 0.1000 | 16.7 | 20.0 | -16.7 | 20.0 |
| 1,1-Dichloropropene | Ave | 0.3986 | 0.3391 | | 17.0 | 20.0 | -14.9 | 20.0 |
| Benzene | Lin2 | | 1.035 | 0.5000 | 19.2 | 20.0 | -4.0 | 20.0 |
| Isobutanol | Ave | 0.4334 | 0.1991 | | 230 | 500 | -54.1* | 20.0 |
| 1,2-Dichloroethane | Lin2 | | 0.3349 | 0.1000 | 17.6 | 20.0 | -12.0 | 20.0 |
| Tert-amyl methyl ether | Lin2 | | 0.7455 | | 23.3 | 25.0 | -7.0 | 20.0 |
| n-Heptane | Lin2 | | 0.3211 | | 20.8 | 20.0 | 4.0 | 20.0 |
| n-Butyl alcohol | Lin2 | | 0.0073 | | 454 | 500 | -9.2 | 20.0 |
| Trichloroethene | Lin2 | | 0.2451 | 0.2000 | 16.7 | 20.0 | -16.7 | 20.0 |
| Ethyl acrylate | Lin2 | | 0.3254 | | 19.1 | 20.0 | -4.7 | 20.0 |
| Methylcyclohexane | Ave | 0.4830 | 0.4086 | 0.1000 | 16.9 | 20.0 | -15.4 | 20.0 |
| 1,2-Dichloropropane | Lin2 | | 0.2875 | 0.1000 | 19.9 | 20.0 | -0.4 | 20.0 |
| Dibromomethane | Lin2 | | 0.1756 | | 18.7 | 20.0 | -6.5 | 20.0 |
| Methyl methacrylate | Lin2 | | 0.2031 | | 38.4 | 40.0 | -4.0 | 20.0 |
| Bromodichloromethane | Ave | 0.3896 | 0.3373 | 0.2000 | 17.3 | 20.0 | -13.4 | 20.0 |
| 2-Nitropropane | Lin2 | | 0.0685 | | 28.7 | 40.0 | -28.2* | 20.0 |
| 2-Chloroethyl vinyl ether | Lin2 | | 0.2151 | | 18.9 | 20.0 | -5.6 | 20.0 |
| cis-1,3-Dichloropropene | Lin2 | | 0.5481 | 0.2000 | 19.3 | 20.0 | -3.6 | 20.0 |
| 4-Methyl-2-pentanone | Ave | 0.1269 | 0.1353 | 0.0600 | 107 | 100 | 6.6 | 20.0 |
| Toluene | Lin2 | | 1.455 | 0.4000 | 20.9 | 20.0 | 4.5 | 20.0 |
| trans-1,3-Dichloropropene | Lin2 | | 0.4903 | 0.1000 | 18.9 | 20.0 | -5.4 | 20.0 |
| Ethyl methacrylate | Lin2 | | 0.4300 | | 19.6 | 20.0 | -2.2 | 20.0 |
| 1,1,2-Trichloroethane | Lin1 | | 0.3088 | 0.1000 | 21.1 | 20.0 | 5.4 | 20.0 |
| Tetrachloroethene | Lin2 | | 0.2833 | 0.2000 | 19.0 | 20.0 | -5.1 | 20.0 |
| 1,3-Dichloropropane | Lin1 | | 0.5322 | | 20.8 | 20.0 | 3.9 | 20.0 |
| 2-Hexanone | Ave | 0.1334 | 0.1292 | 0.0600 | 96.9 | 100 | -3.1 | 20.0 |
| n-Butyl acetate | Lin2 | | 0.5577 | | 20.9 | 20.0 | 4.7 | 20.0 |
| Dibromochloromethane | Lin1 | | 0.3322 | 0.1000 | 18.4 | 20.0 | -8.1 | 20.0 |
| 1,2-Dibromoethane | Lin1 | | 0.3079 | 0.1000 | 20.2 | 20.0 | 0.8 | 20.0 |
| Chlorobenzene | Ave | 0.9510 | 0.9365 | 0.5000 | 19.7 | 20.0 | -1.5 | 20.0 |
| 1,1,1,2-Tetrachloroethane | Lin2 | | 0.3336 | | 19.1 | 20.0 | -4.4 | 20.0 |
| Ethylbenzene | Lin2 | | 1.587 | 0.1000 | 20.8 | 20.0 | 3.9 | 20.0 |
| m-Xylene & p-Xylene | Lin2 | | 1.208 | 0.1000 | 19.5 | 20.0 | -2.4 | 20.0 |
| o-Xylene | Lin1 | | 1.227 | 0.3000 | 20.0 | 20.0 | -0.2 | 20.0 |
| Styrene | Lin2 | | 0.9355 | 0.3000 | 19.3 | 20.0 | -3.3 | 20.0 |
| Bromoform | Lin1 | | 0.2139 | 0.1000 | 16.9 | 20.0 | -15.3 | 20.0 |
| Isopropylbenzene | Lin2 | | 1.465 | 0.1000 | 19.6 | 20.0 | -2.1 | 20.0 |
| 1,1,2,2-Tetrachloroethane | Lin2 | | 0.7492 | 0.3000 | 22.5 | 20.0 | 12.4 | 20.0 |
| Bromobenzene | Lin1 | | 0.7211 | | 17.4 | 20.0 | -13.2 | 20.0 |
| trans-1,4-Dichloro-2-butene | Lin1 | | 0.1630 | | 15.9 | 20.0 | -20.6* | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-316242/3 Calibration Date: 11/07/2019 10:34
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 110719003.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|--------|---------|-------------|--------------|--------|--------|
| 1,2,3-Trichloropropane | Ave | 0.2211 | 0.1973 | | 17.8 | 20.0 | -10.8 | 20.0 |
| N-Propylbenzene | Lin2 | | 3.268 | | 19.0 | 20.0 | -4.9 | 20.0 |
| 2-Chlorotoluene | Lin1 | | 0.6494 | | 17.5 | 20.0 | -12.5 | 20.0 |
| 1,3,5-Trimethylbenzene | Lin1 | | 2.199 | | 18.5 | 20.0 | -7.4 | 20.0 |
| 4-Chlorotoluene | Lin2 | | 0.6902 | | 18.2 | 20.0 | -9.1 | 20.0 |
| t-Butylbenzene | Lin1 | | 1.836 | | 17.4 | 20.0 | -13.2 | 20.0 |
| 1,2,4-Trimethylbenzene | Lin1 | | 2.245 | | 18.5 | 20.0 | -7.4 | 20.0 |
| sec-Butylbenzene | Lin2 | | 2.690 | | 17.7 | 20.0 | -11.7 | 20.0 |
| 1,3-Dichlorobenzene | Lin2 | | 1.347 | 0.6000 | 18.9 | 20.0 | -5.3 | 20.0 |
| 4-Isopropyltoluene | Lin2 | | 2.328 | | 17.9 | 20.0 | -10.7 | 20.0 |
| 1,4-Dichlorobenzene | Lin2 | | 1.366 | 0.5000 | 19.1 | 20.0 | -4.7 | 20.0 |
| 1,2,3-Trimethylbenzene | Lin2 | | 2.292 | | 18.3 | 20.0 | -8.5 | 20.0 |
| Benzyl chloride | Lin2 | | 0.2630 | | 22.2 | 20.0 | 10.8 | 20.0 |
| n-Butylbenzene | Lin2 | | 0.5172 | | 16.5 | 20.0 | -17.7 | 20.0 |
| 1,2-Dichlorobenzene | Lin2 | | 1.315 | 0.4000 | 19.3 | 20.0 | -3.6 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1429 | 0.1281 | 0.0500 | 17.9 | 20.0 | -10.4 | 20.0 |
| 1,3,5-Trichlorobenzene | Lin2 | | 0.8579 | | 17.5 | 20.0 | -12.4 | 20.0 |
| 1,2,4-Trichlorobenzene | Lin1 | | 0.6742 | 0.2000 | 17.4 | 20.0 | -12.8 | 20.0 |
| Hexachlorobutadiene | Lin2 | | 0.3408 | | 15.8 | 20.0 | -21.0* | 20.0 |
| Naphthalene | Lin2 | | 1.601 | | 18.9 | 20.0 | -5.3 | 20.0 |
| 1,2,3-Trichlorobenzene | Ave | 0.6940 | 0.6063 | | 17.5 | 20.0 | -12.6 | 20.0 |
| Dibromofluoromethane (Surr) | Ave | 0.2560 | 0.2455 | | 18.7 | 19.5 | -4.1 | 20.0 |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3097 | 0.2998 | | 18.9 | 19.5 | -3.2 | 20.0 |
| Trifluorotoluene (Surr) | Ave | 0.5181 | 0.4769 | | 18.4 | 20.0 | -8.0 | 20.0 |
| Toluene-d8 (Surr) | Ave | 1.262 | 1.287 | | 19.9 | 19.5 | 2.0 | 20.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4420 | 0.4319 | | 19.1 | 19.5 | -2.3 | 20.0 |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVL 580-316242/6 Calibration Date: 11/07/2019 11:49
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 110719006.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|---------------------------------------|------------|---------|---------|---------|-------------|--------------|-------|--------|
| Dichlorodifluoromethane | Ave | 0.1981 | 0.0555* | 0.1000 | | 1.00 | -72.0 | |
| Chloromethane | Lin2 | | 0.2699 | 0.1000 | | 1.00 | -61.7 | |
| Vinyl chloride | Ave | 0.2962 | 0.1881 | 0.1000 | 0.635 | 1.00 | -36.5 | |
| Butadiene | Ave | 0.2857 | 0.2064 | | | 1.00 | -27.8 | |
| Bromomethane | Lin1 | | 0.1753 | 0.1000 | | 1.00 | -8.3 | |
| Chloroethane | Ave | 0.0583 | 0.0492* | 0.0600 | | 1.00 | -15.7 | |
| Dichlorofluoromethane | Ave | 0.4639 | 0.3451 | | 0.744 | 1.00 | -25.6 | |
| Trichlorofluoromethane | Ave | 0.4110 | 0.1383 | 0.1000 | | 1.00 | -66.3 | |
| Ethyl ether | Ave | 0.2270 | 0.1941 | | 0.855 | 1.00 | -14.5 | |
| Acrolein | Ave | 0.0382 | 0.0384 | | | 6.00 | 0.4 | |
| 1,1-Dichloroethene | Lin1 | | 0.1144 | 0.1000 | | 1.00 | -54.3 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | Lin2 | | 0.0587* | 0.1000 | | 1.00 | -87.4 | |
| Acetone | Lin2 | | 0.1301 | 0.0200 | | 5.00 | 11.2 | |
| Iodomethane | Lin2 | | 0.2860 | | | 1.00 | -45.6 | |
| Carbon disulfide | Lin2 | | 0.5269 | 0.1000 | | 1.00 | -58.5 | |
| Isopropyl alcohol | Ave | 0.5790 | 1.290 | | | 10.0 | 122.8 | |
| Acetonitrile | Ave | 0.0184 | 0.0282 | | | 12.5 | 53.6 | |
| 3-Chloro-1-propene | Lin2 | | 0.1367 | | 0.502 | 1.00 | -49.8 | |
| Methyl acetate | Lin2 | | 0.2407 | 0.1000 | | 2.00 | 7.9 | |
| Methylene Chloride | Ave | 0.2702 | 0.2192 | 0.1000 | | 1.00 | -18.9 | |
| t-Butyl alcohol | Ave | 0.0287 | 0.0471 | | | 10.0 | 64.2 | |
| Acrylonitrile | Ave | 0.0922 | 0.1076 | | 11.7 | 10.0 | 16.7 | |
| trans-1,2-Dichloroethene | Lin2 | | 0.1773 | 0.1000 | 0.533 | 1.00 | -46.7 | |
| Methyl tert-butyl ether | Lin2 | | 0.6327 | 0.1000 | 0.716 | 1.00 | -28.4 | |
| Hexane | Lin2 | | 0.1574 | | | 1.00 | -77.1 | |
| 1,1-Dichloroethane | Lin2 | | 0.3898 | 0.2000 | 0.591 | 1.00 | -40.9 | |
| Vinyl acetate | Lin2 | | 0.0421 | | 1.77 | 2.50 | -29.1 | |
| 2-Chloro-1,3-butadiene | Ave | 0.4578 | 0.2358 | | | 1.00 | -48.5 | |
| Diisopropyl ether | Ave | 0.9578 | 0.8022 | | 1.05 | 1.25 | -16.2 | |
| Ethyl t-butyl ether | Lin2 | | 0.2770 | | | 1.25 | -32.0 | |
| 2,2-Dichloropropane | Ave | 0.3294 | 0.2124 | | 0.645 | 1.00 | -35.5 | |
| cis-1,2-Dichloroethene | Lin1 | | 0.2155 | 0.1000 | | 1.00 | -36.3 | |
| 2-Butanone | Lin2 | | 0.0373 | 0.0200 | 4.86 | 5.00 | -2.8 | |
| Ethyl acetate | Lin1 | | 0.2734 | | 1.91 | 2.00 | -4.5 | |
| Propionitrile | Ave | 0.0354 | 0.0518 | | 18.3 | 12.5 | 46.5 | |
| Methacrylonitrile | Lin2 | | 0.1037 | | 8.66 | 10.0 | -13.4 | |
| Bromochloromethane | Lin1 | | 0.1505 | | 0.736 | 1.00 | -26.4 | |
| Tetrahydrofuran | Ave | 0.1060 | 0.1351 | | 2.55 | 2.00 | 27.4 | |
| Chloroform | Lin2 | | 0.3923 | 0.2000 | 0.856 | 1.00 | -14.4 | |
| 1,1,1-Trichloroethane | Lin2 | | 0.2432 | 0.1000 | 0.457 | 1.00 | -54.3 | |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVL 580-316242/6 Calibration Date: 11/07/2019 11:49
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 110719006.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|---------|---------|---------|-------------|--------------|-------|--------|
| Cyclohexane | Ave | 0.3948 | 0.1300 | 0.1000 | 0.329 | 1.00 | -67.1 | |
| Carbon tetrachloride | Ave | 0.3654 | 0.1831 | 0.1000 | 0.501 | 1.00 | -49.9 | |
| 1,1-Dichloropropene | Ave | 0.3986 | 0.2085 | | 0.523 | 1.00 | -47.7 | |
| Benzene | Lin2 | | 0.9517 | 0.5000 | 0.553 | 1.00 | -44.7 | |
| Isobutanol | Ave | 0.4334 | 1.079 | | 62.2 | 25.0 | 148.9 | |
| 1,2-Dichloroethane | Lin2 | | 0.3417 | 0.1000 | 0.698 | 1.00 | -30.2 | |
| Tert-amyl methyl ether | Lin2 | | 0.7096 | | | 1.25 | -24.5 | |
| n-Heptane | Lin2 | | 0.1901 | | | 1.00 | -80.4 | |
| n-Butyl alcohol | Lin2 | | 0.0132 | | | 25.0 | 40.7 | |
| Trichloroethene | Lin2 | | 0.1968* | 0.2000 | | 1.00 | -42.3 | |
| Ethyl acrylate | Lin2 | | 0.2780 | | | 1.00 | -28.7 | |
| Methylcyclohexane | Ave | 0.4830 | 0.1625 | 0.1000 | | 1.00 | -66.4 | |
| 1,2-Dichloropropane | Lin2 | | 0.2730 | 0.1000 | 0.695 | 1.00 | -30.5 | |
| Methyl methacrylate | Lin2 | | 0.5947 | | | 2.00 | -22.7 | |
| Dibromomethane | Lin2 | | 0.1656 | | 0.738 | 1.00 | -26.2 | |
| Bromodichloromethane | Ave | 0.3896 | 0.3171 | 0.2000 | 0.814 | 1.00 | -18.6 | |
| 2-Nitropropane | Lin2 | | 0.0829 | | | 2.00 | -23.7 | |
| 2-Chloroethyl vinyl ether | Lin2 | | 0.1809 | | | 1.00 | -45.6 | |
| cis-1,3-Dichloropropene | Lin2 | | 0.4594 | 0.2000 | 0.628 | 1.00 | -37.2 | |
| 4-Methyl-2-pentanone | Ave | 0.1269 | 0.1352 | 0.0600 | 5.33 | 5.00 | 6.5 | |
| Toluene | Lin2 | | 1.277 | 0.4000 | 0.650 | 1.00 | -35.0 | |
| trans-1,3-Dichloropropene | Lin2 | | 0.4555 | 0.1000 | 0.648 | 1.00 | -35.2 | |
| Ethyl methacrylate | Lin2 | | 0.3676 | | | 1.00 | -29.3 | |
| 1,1,2-Trichloroethane | Lin1 | | 0.2996 | 0.1000 | 0.965 | 1.00 | -3.5 | |
| Tetrachloroethene | Lin2 | | 0.1938* | 0.2000 | 0.496 | 1.00 | -50.4 | |
| 1,3-Dichloropropane | Lin1 | | 0.5266 | | 0.884 | 1.00 | -11.6 | |
| 2-Hexanone | Ave | 0.1334 | 0.1493 | 0.0600 | 5.60 | 5.00 | 11.9 | |
| n-Butyl acetate | Lin2 | | 0.6053 | | | 1.00 | -5.0 | |
| Dibromochloromethane | Lin1 | | 0.2968 | 0.1000 | 0.674 | 1.00 | -32.6 | |
| 1,2-Dibromoethane | Lin1 | | 0.3133 | 0.1000 | 0.865 | 1.00 | -13.5 | |
| Chlorobenzene | Ave | 0.9510 | 1.048 | 0.5000 | 1.10 | 1.00 | 10.2 | |
| 1,1,1,2-Tetrachloroethane | Lin2 | | 0.2873 | | 0.604 | 1.00 | -39.6 | |
| Ethylbenzene | Lin2 | | 1.263 | 0.1000 | 0.594 | 1.00 | -40.6 | |
| m-Xylene & p-Xylene | Lin2 | | 0.9894 | 0.1000 | | 1.00 | -36.7 | |
| o-Xylene | Lin1 | | 1.005 | 0.3000 | 0.586 | 1.00 | -41.4 | |
| Styrene | Lin2 | | 0.6961 | 0.3000 | | 1.00 | -43.1 | |
| Bromoform | Lin1 | | 0.2062 | 0.1000 | 0.808 | 1.00 | -19.2 | |
| Isopropylbenzene | Lin2 | | 1.000 | 0.1000 | 0.543 | 1.00 | -45.7 | |
| 1,1,2,2-Tetrachloroethane | Lin2 | | 0.8196 | 0.3000 | 1.08 | 1.00 | 8.0 | |
| Bromobenzene | Lin1 | | 0.8160 | | 0.899 | 1.00 | -10.1 | |
| trans-1,4-Dichloro-2-butene | Lin1 | | 0.0839 | | | 1.00 | -92.1 | |

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVL 580-316242/6 Calibration Date: 11/07/2019 11:49
 Instrument ID: TAC001 Calib Start Date: 09/30/2019 12:47
 GC Column: DB-VRX ID: 0.25 (mm) Calib End Date: 09/30/2019 18:33
 Lab File ID: 110719006.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| 1,2,3-Trichloropropane | Ave | 0.2211 | 0.2462 | | 1.11 | 1.00 | 11.3 | |
| N-Propylbenzene | Lin2 | | 2.927 | | 0.687 | 1.00 | -31.3 | |
| 2-Chlorotoluene | Lin1 | | 0.5954 | | 0.657 | 1.00 | -34.3 | |
| 1,3,5-Trimethylbenzene | Lin1 | | 2.008 | | 0.607 | 1.00 | -39.3 | |
| 4-Chlorotoluene | Lin2 | | 0.6848 | | 0.744 | 1.00 | -25.6 | |
| t-Butylbenzene | Lin1 | | 1.603 | | | 1.00 | -43.1 | |
| 1,2,4-Trimethylbenzene | Lin1 | | 2.033 | | | 1.00 | -45.6 | |
| sec-Butylbenzene | Lin2 | | 2.183 | | 0.592 | 1.00 | -40.8 | |
| 1,3-Dichlorobenzene | Lin2 | | 1.335 | 0.6000 | 0.762 | 1.00 | -23.8 | |
| 4-Isopropyltoluene | Lin2 | | 1.798 | | 0.550 | 1.00 | -45.0 | |
| 1,4-Dichlorobenzene | Lin2 | | 1.389 | 0.5000 | | 1.00 | -21.3 | |
| 1,2,3-Trimethylbenzene | Lin2 | | 2.188 | | | 1.00 | -32.0 | |
| Benzyl chloride | Lin2 | | 0.2500 | | | 1.00 | -58.5 | |
| n-Butylbenzene | Lin2 | | 0.4341 | | | 1.00 | -58.4 | |
| 1,2-Dichlorobenzene | Lin2 | | 1.439 | 0.4000 | 0.885 | 1.00 | -11.5 | |
| 1,2-Dibromo-3-Chloropropane | Ave | 0.1429 | 0.1531 | 0.0500 | | 1.00 | 7.1 | |
| 1,3,5-Trichlorobenzene | Lin2 | | 1.032 | | 0.789 | 1.00 | -21.1 | |
| 1,2,4-Trichlorobenzene | Lin1 | | 0.8502 | 0.2000 | 0.669 | 1.00 | -33.1 | |
| Hexachlorobutadiene | Lin2 | | 0.4842 | | 0.912 | 1.00 | -8.8 | |
| Naphthalene | Lin2 | | 2.394 | | | 1.00 | -34.1 | |
| 1,2,3-Trichlorobenzene | Ave | 0.6940 | 0.9907 | | 1.43 | 1.00 | 42.7 | |
| Dibromofluoromethane (Surr) | Ave | 0.2560 | 0.2431 | | 18.5 | 19.5 | -5.0 | |
| 1,2-Dichloroethane-d4 (Surr) | Ave | 0.3097 | 0.3014 | | 19.0 | 19.5 | -2.7 | |
| Trifluorotoluene (Surr) | Ave | 0.5181 | 0.4783 | | 18.5 | 20.0 | -7.7 | |
| Toluene-d8 (Surr) | Ave | 1.262 | 1.343 | | 20.8 | 19.5 | 6.4 | |
| 4-Bromofluorobenzene (Surr) | Ave | 0.4420 | 0.3876 | | 17.1 | 19.5 | -12.3 | |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316242/7
 Matrix: Water Lab File ID: 110719007.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 12:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|-----------------------------|--------|---|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane | ND | | 3.0 | 0.39 |
| 75-34-3 | 1,1-Dichloroethane | ND | | 2.0 | 0.22 |
| 71-43-2 | Benzene | ND | | 3.0 | 0.53 |
| 563-58-6 | 1,1-Dichloropropene | ND | | 3.0 | 0.29 |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | 5.0 | 1.1 |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 2.0 | 0.41 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | 2.0 | 0.33 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | 3.0 | 0.61 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | ND | | 10 | 1.8 |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | 2.0 | 0.46 |
| 78-87-5 | 1,2-Dichloropropane | ND | | 1.0 | 0.18 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | 3.0 | 0.55 |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | 2.0 | 0.18 |
| 142-28-9 | 1,3-Dichloropropane | ND | | 2.0 | 0.35 |
| 594-20-7 | 2,2-Dichloropropane | ND | | 3.0 | 0.32 |
| 78-93-3 | 2-Butanone | ND | | 20 | 4.7 |
| 95-49-8 | 2-Chlorotoluene | ND | | 3.0 | 0.51 |
| 106-43-4 | 4-Chlorotoluene | ND | | 2.0 | 0.51 |
| 99-87-6 | 4-Isopropyltoluene | ND | | 3.0 | 0.28 |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | 15 | 2.5 |
| 67-64-1 | Acetone | ND | | 50 | 7.8 |
| 108-86-1 | Bromobenzene | ND | | 2.0 | 0.43 |
| 74-97-5 | Bromochloromethane | ND | | 2.0 | 0.29 |
| 75-15-0 | Carbon disulfide | ND | | 3.0 | 0.53 |
| 56-23-5 | Carbon tetrachloride | ND | | 3.0 | 0.30 |
| 108-90-7 | Chlorobenzene | ND | | 2.0 | 0.44 |
| 75-00-3 | Chloroethane | ND | | 5.0 | 1.1 |
| 74-87-3 | Chloromethane | ND | | 20 | 5.4 |
| 156-59-2 | cis-1,2-Dichloroethene | ND | | 3.0 | 0.69 |
| 75-71-8 | Dichlorodifluoromethane | ND | | 10 | 2.3 |
| 100-41-4 | Ethylbenzene | ND | | 3.0 | 0.50 |
| 98-82-8 | Isopropylbenzene | ND | | 2.0 | 0.51 |
| 1634-04-4 | Methyl tert-butyl ether | ND | | 2.0 | 0.44 |
| 75-09-2 | Methylene Chloride | ND | | 5.0 | 1.4 |
| 179601-23-1 | m-Xylene & p-Xylene | ND | | 3.0 | 0.75 |
| 104-51-8 | n-Butylbenzene | ND | | 3.0 | 0.44 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316242/7
 Matrix: Water Lab File ID: 110719007.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 12:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|--------------------------|--------|---|-----|------|
| 103-65-1 | N-Propylbenzene | ND | | 3.0 | 0.50 |
| 95-47-6 | o-Xylene | ND | | 2.0 | 0.39 |
| 135-98-8 | sec-Butylbenzene | ND | | 3.0 | 0.49 |
| 100-42-5 | Styrene | ND | | 5.0 | 1.0 |
| 98-06-6 | t-Butylbenzene | ND | | 3.0 | 0.58 |
| 108-88-3 | Toluene | ND | | 2.0 | 0.39 |
| 156-60-5 | trans-1,2-Dichloroethene | ND | | 3.0 | 0.39 |
| 75-69-4 | Trichlorofluoromethane | ND | | 3.0 | 0.63 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 101 | | 80-126 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 90 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 97 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 109 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 92 | | 80-120 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316242/4
 Matrix: Water Lab File ID: 110719004.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 10:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|-----------------------------|--------|---|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane | 17.7 | | 3.0 | 0.39 |
| 75-34-3 | 1,1-Dichloroethane | 18.4 | | 2.0 | 0.22 |
| 71-43-2 | Benzene | 19.5 | | 3.0 | 0.53 |
| 563-58-6 | 1,1-Dichloropropene | 17.5 | | 3.0 | 0.29 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.5 | | 5.0 | 1.1 |
| 96-18-4 | 1,2,3-Trichloropropane | 18.4 | | 2.0 | 0.41 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20.3 | | 2.0 | 0.33 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 20.9 | | 3.0 | 0.61 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.8 | | 10 | 1.8 |
| 95-50-1 | 1,2-Dichlorobenzene | 20.9 | | 2.0 | 0.46 |
| 78-87-5 | 1,2-Dichloropropane | 19.1 | | 1.0 | 0.18 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20.2 | | 3.0 | 0.55 |
| 541-73-1 | 1,3-Dichlorobenzene | 20.6 | | 2.0 | 0.18 |
| 142-28-9 | 1,3-Dichloropropane | 20.1 | | 2.0 | 0.35 |
| 594-20-7 | 2,2-Dichloropropane | 19.8 | | 3.0 | 0.32 |
| 78-93-3 | 2-Butanone | 86.4 | | 20 | 4.7 |
| 95-49-8 | 2-Chlorotoluene | 19.6 | | 3.0 | 0.51 |
| 106-43-4 | 4-Chlorotoluene | 19.8 | | 2.0 | 0.51 |
| 99-87-6 | 4-Isopropyltoluene | 19.9 | | 3.0 | 0.28 |
| 108-10-1 | 4-Methyl-2-pentanone | 101 | | 15 | 2.5 |
| 67-64-1 | Acetone | 90.1 | | 50 | 7.8 |
| 108-86-1 | Bromobenzene | 19.4 | | 2.0 | 0.43 |
| 74-97-5 | Bromochloromethane | 17.5 | | 2.0 | 0.29 |
| 75-15-0 | Carbon disulfide | 18.4 | | 3.0 | 0.53 |
| 56-23-5 | Carbon tetrachloride | 16.8 | | 3.0 | 0.30 |
| 108-90-7 | Chlorobenzene | 19.7 | | 2.0 | 0.44 |
| 75-00-3 | Chloroethane | 19.4 | | 5.0 | 1.1 |
| 74-87-3 | Chloromethane | 19.4 | J | 20 | 5.4 |
| 156-59-2 | cis-1,2-Dichloroethene | 18.3 | | 3.0 | 0.69 |
| 75-71-8 | Dichlorodifluoromethane | 16.2 | | 10 | 2.3 |
| 100-41-4 | Ethylbenzene | 20.9 | | 3.0 | 0.50 |
| 98-82-8 | Isopropylbenzene | 19.9 | | 2.0 | 0.51 |
| 1634-04-4 | Methyl tert-butyl ether | 18.0 | | 2.0 | 0.44 |
| 75-09-2 | Methylene Chloride | 18.1 | | 5.0 | 1.4 |
| 179601-23-1 | m-Xylene & p-Xylene | 19.6 | | 3.0 | 0.75 |
| 104-51-8 | n-Butylbenzene | 19.2 | | 3.0 | 0.44 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316242/4
 Matrix: Water Lab File ID: 110719004.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 10:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|--------------------------|--------|---|-----|------|
| 103-65-1 | N-Propylbenzene | 21.2 | | 3.0 | 0.50 |
| 95-47-6 | o-Xylene | 20.1 | | 2.0 | 0.39 |
| 135-98-8 | sec-Butylbenzene | 20.3 | | 3.0 | 0.49 |
| 100-42-5 | Styrene | 19.1 | | 5.0 | 1.0 |
| 98-06-6 | t-Butylbenzene | 19.7 | | 3.0 | 0.58 |
| 108-88-3 | Toluene | 21.0 | | 2.0 | 0.39 |
| 156-60-5 | trans-1,2-Dichloroethene | 18.2 | | 3.0 | 0.39 |
| 75-69-4 | Trichlorofluoromethane | 16.8 | | 3.0 | 0.63 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 95 | | 80-126 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 94 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 94 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 103 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 93 | | 80-120 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316242/5
 Matrix: Water Lab File ID: 110719005.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 11:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-------------|-----------------------------|--------|---|-----|------|
| 71-55-6 | 1,1,1-Trichloroethane | 17.6 | | 3.0 | 0.39 |
| 75-34-3 | 1,1-Dichloroethane | 18.4 | | 2.0 | 0.22 |
| 71-43-2 | Benzene | 18.7 | | 3.0 | 0.53 |
| 563-58-6 | 1,1-Dichloropropene | 16.8 | | 3.0 | 0.29 |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.7 | | 5.0 | 1.1 |
| 96-18-4 | 1,2,3-Trichloropropane | 19.7 | | 2.0 | 0.41 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 19.8 | | 2.0 | 0.33 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 21.0 | | 3.0 | 0.61 |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.7 | | 10 | 1.8 |
| 95-50-1 | 1,2-Dichlorobenzene | 20.5 | | 2.0 | 0.46 |
| 78-87-5 | 1,2-Dichloropropane | 19.4 | | 1.0 | 0.18 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 20.9 | | 3.0 | 0.55 |
| 541-73-1 | 1,3-Dichlorobenzene | 20.2 | | 2.0 | 0.18 |
| 142-28-9 | 1,3-Dichloropropane | 20.2 | | 2.0 | 0.35 |
| 594-20-7 | 2,2-Dichloropropane | 18.1 | | 3.0 | 0.32 |
| 78-93-3 | 2-Butanone | 92.1 | | 20 | 4.7 |
| 95-49-8 | 2-Chlorotoluene | 20.0 | | 3.0 | 0.51 |
| 106-43-4 | 4-Chlorotoluene | 19.5 | | 2.0 | 0.51 |
| 99-87-6 | 4-Isopropyltoluene | 19.8 | | 3.0 | 0.28 |
| 108-10-1 | 4-Methyl-2-pentanone | 101 | | 15 | 2.5 |
| 67-64-1 | Acetone | 84.9 | | 50 | 7.8 |
| 108-86-1 | Bromobenzene | 19.4 | | 2.0 | 0.43 |
| 74-97-5 | Bromochloromethane | 17.4 | | 2.0 | 0.29 |
| 75-15-0 | Carbon disulfide | 17.3 | | 3.0 | 0.53 |
| 56-23-5 | Carbon tetrachloride | 16.4 | | 3.0 | 0.30 |
| 108-90-7 | Chlorobenzene | 20.0 | | 2.0 | 0.44 |
| 75-00-3 | Chloroethane | 17.3 | | 5.0 | 1.1 |
| 74-87-3 | Chloromethane | 19.6 | J | 20 | 5.4 |
| 156-59-2 | cis-1,2-Dichloroethene | 17.7 | | 3.0 | 0.69 |
| 75-71-8 | Dichlorodifluoromethane | 15.9 | | 10 | 2.3 |
| 100-41-4 | Ethylbenzene | 21.3 | | 3.0 | 0.50 |
| 98-82-8 | Isopropylbenzene | 19.9 | | 2.0 | 0.51 |
| 1634-04-4 | Methyl tert-butyl ether | 17.7 | | 2.0 | 0.44 |
| 75-09-2 | Methylene Chloride | 17.7 | | 5.0 | 1.4 |
| 179601-23-1 | m-Xylene & p-Xylene | 19.6 | | 3.0 | 0.75 |
| 104-51-8 | n-Butylbenzene | 19.3 | | 3.0 | 0.44 |

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316242/5
 Matrix: Water Lab File ID: 110719005.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 11:23
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316242 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|--------------------------|--------|---|-----|------|
| 103-65-1 | N-Propylbenzene | 21.5 | | 3.0 | 0.50 |
| 95-47-6 | o-Xylene | 20.4 | | 2.0 | 0.39 |
| 135-98-8 | sec-Butylbenzene | 20.2 | | 3.0 | 0.49 |
| 100-42-5 | Styrene | 19.1 | | 5.0 | 1.0 |
| 98-06-6 | t-Butylbenzene | 19.9 | | 3.0 | 0.58 |
| 108-88-3 | Toluene | 21.4 | | 2.0 | 0.39 |
| 156-60-5 | trans-1,2-Dichloroethene | 18.3 | | 3.0 | 0.39 |
| 75-69-4 | Trichlorofluoromethane | 16.1 | | 3.0 | 0.63 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 94 | | 80-126 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 94 | | 80-120 |
| 1868-53-7 | Dibromofluoromethane (Surr) | 93 | | 80-120 |
| 2037-26-5 | Toluene-d8 (Surr) | 104 | | 80-120 |
| 98-08-8 | Trifluorotoluene (Surr) | 94 | | 80-120 |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Start Date: 09/30/2019 11:05Analysis Batch Number: 312702 End Date: 09/30/2019 19:21

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|-------------------|------------------|------------------|-----------------|-------------|------------------|
| BFB 580-312702/2 | | 09/30/2019 11:05 | 1 | 093019002.D | DB-VRX 0.25 (mm) |
| IC 580-312702/3 | | 09/30/2019 12:47 | 1 | 093019003.D | DB-VRX 0.25 (mm) |
| IC 580-312702/4 | | 09/30/2019 13:12 | 1 | 093019004.D | DB-VRX 0.25 (mm) |
| IC 580-312702/5 | | 09/30/2019 15:39 | 1 | 093019006.D | DB-VRX 0.25 (mm) |
| IC 580-312702/6 | | 09/30/2019 16:04 | 1 | 093019007.D | DB-VRX 0.25 (mm) |
| IC 580-312702/7 | | 09/30/2019 16:29 | 1 | 093019008.D | DB-VRX 0.25 (mm) |
| ICIS 580-312702/8 | | 09/30/2019 16:54 | 1 | 093019009.D | DB-VRX 0.25 (mm) |
| IC 580-312702/9 | | 09/30/2019 17:18 | 1 | 093019010.D | DB-VRX 0.25 (mm) |
| IC 580-312702/10 | | 09/30/2019 17:42 | 1 | 093019011.D | DB-VRX 0.25 (mm) |
| IC 580-312702/11 | | 09/30/2019 18:07 | 1 | 093019012.D | DB-VRX 0.25 (mm) |
| IC 580-312702/12 | | 09/30/2019 18:33 | 1 | 093019013.D | DB-VRX 0.25 (mm) |
| ICV 580-312702/14 | | 09/30/2019 19:21 | 1 | 093019015.D | DB-VRX 0.25 (mm) |

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC001 Start Date: 11/07/2019 10:08

Analysis Batch Number: 316242 End Date: 11/07/2019 19:48

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|-------------|------------------|
| BFB 580-316242/2 | | 11/07/2019 10:08 | 1 | 110719002.D | DB-VRX 0.25 (mm) |
| CCVIS 580-316242/3 | | 11/07/2019 10:34 | 1 | 110719003.D | DB-VRX 0.25 (mm) |
| LCS 580-316242/4 | | 11/07/2019 10:58 | 1 | 110719004.D | DB-VRX 0.25 (mm) |
| LCSD 580-316242/5 | | 11/07/2019 11:23 | 1 | 110719005.D | DB-VRX 0.25 (mm) |
| CCVL 580-316242/6 | | 11/07/2019 11:49 | 1 | 110719006.D | DB-VRX 0.25 (mm) |
| MB 580-316242/7 | | 11/07/2019 12:15 | 1 | 110719007.D | DB-VRX 0.25 (mm) |
| 580-90546-5 | | 11/07/2019 12:40 | 1 | 110719008.D | DB-VRX 0.25 (mm) |
| 580-90546-1 | | 11/07/2019 13:05 | 1 | 110719009.D | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 13:30 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 13:55 | 1 | | DB-VRX 0.25 (mm) |
| 580-90546-2 | | 11/07/2019 14:21 | 1 | 110719012.D | DB-VRX 0.25 (mm) |
| 580-90546-3 | | 11/07/2019 14:47 | 1 | 110719013.D | DB-VRX 0.25 (mm) |
| 580-90546-4 | | 11/07/2019 15:12 | 1 | 110719014.D | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 15:36 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 16:01 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 16:27 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 16:52 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 17:17 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 17:43 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 18:08 | 1 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 18:32 | 50 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 18:57 | 10 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 19:23 | 50 | | DB-VRX 0.25 (mm) |
| ZZZZZ | | 11/07/2019 19:48 | 10 | | DB-VRX 0.25 (mm) |

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 312702 Batch Start Date: 09/30/19 11:05 Batch Analyst: Himelick, Marc

Batch Method: 8260C Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | 5X SUR/IS/TFT 00012 | VOAMasterMix 00042 | VOAMasterSEC 00035 | |
|----------------------|------------------|--------------|-------|---------------|-------------|------------------------|-----------------------|-----------------------|--|
| BFB 580-312702/2 | | 8260C | | 5 mL | 5 mL | 2 uL | | | |
| IC 580-312702/3 | | 8260C | | 5 mL | 5 mL | 2 uL | 0.5 uL | | |
| IC 580-312702/4 | | 8260C | | 5 mL | 5 mL | 2 uL | 1 uL | | |
| IC 580-312702/5 | | 8260C | | 5 mL | 5 mL | 2 uL | 2 uL | | |
| IC 580-312702/6 | | 8260C | | 5 mL | 5 mL | 2 uL | 5 uL | | |
| IC 580-312702/7 | | 8260C | | 5 mL | 5 mL | 2 uL | 10 uL | | |
| ICIS 580-312702/8 | | 8260C | | 5 mL | 5 mL | 2 uL | 20 uL | | |
| IC 580-312702/9 | | 8260C | | 5 mL | 5 mL | 2 uL | 50 uL | | |
| IC 580-312702/10 | | 8260C | | 5 mL | 5 mL | 2 uL | 75 uL | | |
| IC 580-312702/11 | | 8260C | | 5 mL | 5 mL | 2 uL | 100 uL | | |
| IC 580-312702/12 | | 8260C | | 5 mL | 5 mL | 2 uL | 150 uL | | |
| ICV 580-312702/14 | | 8260C | | 5 mL | 5 mL | 2 uL | | 20 uL | |

| Batch Notes | |
|-------------|--|
| | |
| | |

| Basis | Basis Description |
|-------|-------------------|
| | |
| | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316242 Batch Start Date: 11/07/19 10:08 Batch Analyst: Wongsakul, Thanaporn 1

Batch Method: 8260C Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | 5X SUR/IS/TFT 00011 | VOAMasterMix 00045 | |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------|------------------------|-----------------------|--|
| BFB 580-316242/2 | | 8260C | | 5 mL | 5 mL | | 2 uL | | |
| CCVIS 580-316242/3 | | 8260C | | 5 mL | 5 mL | | 2 uL | 20 uL | |
| LCS 580-316242/4 | | 8260C | | 5 mL | 5 mL | | 2 uL | 20 uL | |
| LCSD 580-316242/5 | | 8260C | | 5 mL | 5 mL | | 2 uL | 20 uL | |
| CCVL 580-316242/6 | | 8260C | | 5 mL | 5 mL | | 2 uL | 1 uL | |
| MB 580-316242/7 | | 8260C | | 5 mL | 5 mL | | 2 uL | | |
| 580-90546-I-5 | Trip Blank | 8260C | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| 580-90546-C-1 | EQB-1-W-191104 | 8260C | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| 580-90546-F-2 | MW-8-W-191104 | 8260C | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| 580-90546-C-3 | MW-10-W-191104 | 8260C | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| 580-90546-C-4 | BD-1-W-191104 | 8260C | T | 5 mL | 5 mL | <2 SU | 2 uL | | |

| Batch Notes | |
|-----------------|----------|
| Vial Lot Number | 0217701E |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method AK101

Alaska - Gasoline Range Organics
(GC) by Method AK101

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (2): RTX-VRX 0.45 (mm)

| Client Sample ID | Lab Sample ID | TFT2 # | BFB2 # |
|------------------------|-----------------------|--------|--------|
| EQB-1-W-191104 | 580-90546-1 | 101 | 99 |
| MW-8-W-191104 | 580-90546-2 | 96 | 111 |
| MW-10-W-191104 | 580-90546-3 | 86 | 102 |
| BD-1-W-191104 | 580-90546-4 | 92 | 116 |
| Trip Blank-W-191104 | 580-90546-5 | 84 | 109 |
| | MB 580-316277/7 | 91 | 95 |
| | MB 580-316280/29 | 90 | 99 |
| | MB 580-316476/7 | 100 | 106 |
| | LCS 580-316277/8 | 103 | 110 |
| | LCS 580-316280/30 | 104 | 114 |
| | LCS 580-316476/8 | 108 | 117 |
| | LCSD 580-316277/9 | 95 | 105 |
| | LCSD 580-316280/31 | 91 | 101 |
| | LCSD 580-316476/9 | 93 | 103 |

TFT = Trifluorotoluene (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
50-150
50-150

Column to be used to flag recovery values

FORM II AK101

FORM III
 GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 11071907.D

Lab ID: LCS 580-316277/8 Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC | QC LIMITS REC | # |
|--|--------------------------|--------------------------------|-----------------|---------------------|---|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.06 | 106 | 77-123 | |

Column to be used to flag recovery and RPD values

FORM III
 GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 11071929.D

Lab ID: LCS 580-316280/30 Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC | QC LIMITS REC | # |
|--|--------------------------|--------------------------------|-----------------|---------------------|---|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.04 | 104 | 77-123 | |

Column to be used to flag recovery and RPD values

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 11111908.D

Lab ID: LCS 580-316476/8 Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC | QC LIMITS REC | # |
|--|--------------------------|--------------------------------|-----------------|---------------------|---|
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.09 | 109 | 77-123 | |

Column to be used to flag recovery and RPD values

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 11071908.D
 Lab ID: LCSD 580-316277/9 Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC | % RPD | QC LIMITS | | # |
|--|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 1.01 | 101 | 5 | 20 | 77-123 | |

Column to be used to flag recovery and RPD values
FORM III AK101

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 11071930.D
 Lab ID: LCSD 580-316280/31 Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC | % RPD | QC LIMITS | | # |
|--|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 0.960 | 96 | 8 | 20 | 77-123 | |

Column to be used to flag recovery and RPD values
FORM III AK101

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 11111909.D
 Lab ID: LCSD 580-316476/9 Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCSD CONCENTRATION (mg/L) | LCSD % REC | % RPD | QC LIMITS | | # |
|--|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Gasoline Range Organics (GRO) -C6-C10 | 1.00 | 0.986 | 99 | 10 | 20 | 77-123 | |

Column to be used to flag recovery and RPD values
FORM III AK101

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: MB 580-316277/7
 Matrix: Water Date Extracted: 11/07/2019 14:03
 Lab File ID: (1) _____ Lab File ID: (2) 11071906.D
 Date Analyzed: (1) _____ Date Analyzed: (2) 11/07/2019 14:03
 Instrument ID: (1) _____ Instrument ID: (2) SEA006
 GC Column: (1) _____ ID: _____ GC Column: (2) RTX-VRX ID: 0.45 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---------------------|-------------------|--------------------|--------------------|
| | LCS 580-316277/8 | | 11/07/2019 14:27 |
| | LCSD 580-316277/9 | | 11/07/2019 14:51 |
| Trip Blank-W-191104 | 580-90546-5 | | 11/07/2019 15:40 |

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: MB 580-316280/29
 Matrix: Water Date Extracted: 11/07/2019 22:55
 Lab File ID: (1) _____ Lab File ID: (2) 11071928.D
 Date Analyzed: (1) _____ Date Analyzed: (2) 11/07/2019 22:55
 Instrument ID: (1) _____ Instrument ID: (2) SEA006
 GC Column: (1) _____ ID: _____ GC Column: (2) RTX-VRX ID: 0.45 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|------------------|--------------------|--------------------|--------------------|
| | LCS 580-316280/30 | | 11/07/2019 23:19 |
| | LCSD 580-316280/31 | | 11/07/2019 23:43 |
| MW-8-W-191104 | 580-90546-2 | | 11/08/2019 01:44 |
| BD-1-W-191104 | 580-90546-4 | | 11/08/2019 02:08 |
| MW-10-W-191104 | 580-90546-3 | | 11/08/2019 02:32 |

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: MB 580-316476/7
 Matrix: Water Date Extracted: 11/11/2019 12:39
 Lab File ID: (1) _____ Lab File ID: (2) 11111907.D
 Date Analyzed: (1) _____ Date Analyzed: (2) 11/11/2019 12:39
 Instrument ID: (1) _____ Instrument ID: (2) SEA006
 GC Column: (1) _____ ID: _____ GC Column: (2) RTX-VRX ID: 0.45 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|------------------|-------------------|--------------------|--------------------|
| | LCS 580-316476/8 | | 11/11/2019 13:03 |
| | LCSD 580-316476/9 | | 11/11/2019 13:27 |
| EQB-1-W-191104 | 580-90546-1 | | 11/11/2019 14:39 |

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: STD1000 580-313490/15 Date Analyzed: 10/07/2019 19:43
 Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm)
 Lab File ID (Standard): 10071914.D Heated Purge: (Y/N) N
 Calibration ID: 28348

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

| | | | | TFT | BFB | |
|-------------------------------|------------------|------------------|-------------|------|-------|--|
| | | | | RT # | RT # | |
| INITIAL CALIBRATION SURROGATE | | | | 8.06 | 11.13 | |
| UPPER LIMIT | | | | 8.11 | 11.18 | |
| LOWER LIMIT | | | | 8.01 | 11.08 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| STD1000 580-313490/15 ICRT | | 10/07/2019 19:43 | 10071914.D | 8.06 | 11.13 | |
| ICV 580-313490/20 | | 10/07/2019 21:44 | 10071919.D | 8.06 | 11.13 | |

TFT = Trifluorotoluene (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

TFT RT Limit = ± 0.05 minutes of surrogate RT
 BFB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: CCVRT 580-316277/6 Date Analyzed: 11/07/2019 13:39
 Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm)
 Lab File ID (Standard): 11071905.D Heated Purge: (Y/N) N
 Calibration ID: 28348

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

| | | | | TFT | BFB | |
|----------------------------------|---------------------|------------------|-------------|------|-------|--|
| | | | | RT # | RT # | |
| CONTINUING CALIBRATION SURROGATE | | | | 8.06 | 11.13 | |
| UPPER LIMIT | | | | 8.11 | 11.18 | |
| LOWER LIMIT | | | | 8.01 | 11.08 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 580-316277/6 | | 11/07/2019 13:39 | 11071905.D | 8.06 | 11.13 | |
| MB 580-316277/7 | | 11/07/2019 14:03 | 11071906.D | 8.06 | 11.13 | |
| LCS 580-316277/8 | | 11/07/2019 14:27 | 11071907.D | 8.06 | 11.13 | |
| LCSD 580-316277/9 | | 11/07/2019 14:51 | 11071908.D | 8.06 | 11.13 | |
| 580-90546-5 | Trip Blank-W-191104 | 11/07/2019 15:40 | 11071910.D | 8.06 | 11.13 | |
| CCV 580-316277/17 | | 11/07/2019 18:05 | 11071916.D | 8.06 | 11.13 | |

TFT = Trifluorotoluene (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

TFT RT Limit = ± 0.05 minutes of surrogate RT
 BFB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: CCVRT 580-316280/6 Date Analyzed: 11/07/2019 13:39
 Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm)
 Lab File ID (Standard): 11071905.D Heated Purge: (Y/N) N
 Calibration ID: 28348

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

| | | | | TFT | BFB | |
|----------------------------------|------------------|------------------|-------------|------|-------|--|
| | | | | RT # | RT # | |
| CONTINUING CALIBRATION SURROGATE | | | | 8.06 | 11.13 | |
| UPPER LIMIT | | | | 8.11 | 11.18 | |
| LOWER LIMIT | | | | 8.01 | 11.08 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 580-316280/6 | | 11/07/2019 13:39 | 11071905.D | 8.06 | 11.13 | |
| CCV 580-316280/28 | | 11/07/2019 22:31 | 11071927.D | 8.05 | 11.13 | |
| MB 580-316280/29 | | 11/07/2019 22:55 | 11071928.D | 8.06 | 11.13 | |
| LCS 580-316280/30 | | 11/07/2019 23:19 | 11071929.D | 8.05 | 11.13 | |
| LCSD 580-316280/31 | | 11/07/2019 23:43 | 11071930.D | 8.06 | 11.13 | |
| 580-90546-2 | MW-8-W-191104 | 11/08/2019 01:44 | 11071935.D | 8.06 | 11.13 | |
| 580-90546-4 | BD-1-W-191104 | 11/08/2019 02:08 | 11071936.D | 8.06 | 11.13 | |
| 580-90546-3 | MW-10-W-191104 | 11/08/2019 02:32 | 11071937.D | 8.06 | 11.13 | |
| CCV 580-316280/39 | | 11/08/2019 02:56 | 11071938.D | 8.05 | 11.13 | |

TFT = Trifluorotoluene (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

TFT RT Limit = ± 0.05 minutes of surrogate RT
 BFB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GASOLINE RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: CCVRT 580-316476/6 Date Analyzed: 11/11/2019 12:15
 Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm)
 Lab File ID (Standard): 11111906.D Heated Purge: (Y/N) N
 Calibration ID: 28348

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

| | | | | TFT | BFB | |
|----------------------------------|------------------|------------------|-------------|------|-------|--|
| | | | | RT # | RT # | |
| CONTINUING CALIBRATION SURROGATE | | | | 8.06 | 11.13 | |
| UPPER LIMIT | | | | 8.11 | 11.18 | |
| LOWER LIMIT | | | | 8.01 | 11.08 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 580-316476/6 | | 11/11/2019 12:15 | 11111906.D | 8.06 | 11.13 | |
| MB 580-316476/7 | | 11/11/2019 12:39 | 11111907.D | 8.06 | 11.13 | |
| LCS 580-316476/8 | | 11/11/2019 13:03 | 11111908.D | 8.05 | 11.13 | |
| LCSD 580-316476/9 | | 11/11/2019 13:27 | 11111909.D | 8.06 | 11.13 | |
| 580-90546-1 | EQB-1-W-191104 | 11/11/2019 14:39 | 11111912.D | 8.06 | 11.13 | |
| CCV 580-316476/16 | | 11/11/2019 16:16 | 11111916.D | 8.06 | 11.13 | |

TFT = Trifluorotoluene (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

TFT RT Limit = ± 0.05 minutes of surrogate RT
 BFB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: EQB-1-W-191104 Lab Sample ID: 580-90546-1
 Matrix: Water Lab File ID: 11111912.D
 Analysis Method: AK101 Date Collected: 11/04/2019 08:30
 Sample wt/vol: 5 (mL) Date Analyzed: 11/11/2019 14:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316476 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | ND | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 101 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 99 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-8-W-191104 Lab Sample ID: 580-90546-2
 Matrix: Water Lab File ID: 11071935.D
 Analysis Method: AK101 Date Collected: 11/04/2019 12:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2019 01:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316280 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 1.2 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 96 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 111 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-10-W-191104 Lab Sample ID: 580-90546-3
 Matrix: Water Lab File ID: 11071937.D
 Analysis Method: AK101 Date Collected: 11/04/2019 14:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2019 02:32
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316280 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | ND | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 86 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 102 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: BD-1-W-191104 Lab Sample ID: 580-90546-4
 Matrix: Water Lab File ID: 11071936.D
 Analysis Method: AK101 Date Collected: 11/04/2019 00:01
 Sample wt/vol: 5 (mL) Date Analyzed: 11/08/2019 02:08
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316280 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 1.2 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 92 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 116 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: Trip Blank-W-191104 Lab Sample ID: 580-90546-5
 Matrix: Water Lab File ID: 11071910.D
 Analysis Method: AK101 Date Collected: 11/04/2019 00:01
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 15:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316277 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | ND | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 84 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 109 | | 50-150 |

FORM VI
 GASOLINE RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
 RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 313490

SDG No.: _____

Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2019 18:07 Calibration End Date: 10/07/2019 21:20 Calibration ID: 28348

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|------------------------|--------------|
| Level 1 | STD50 580-313490/19 | 10071918.D |
| Level 2 | STD100 580-313490/18 | 10071917.D |
| Level 3 | STD250 580-313490/17 | 10071916.D |
| Level 4 | STD500 580-313490/16 | 10071915.D |
| Level 5 | STD1000 580-313490/15 | 10071914.D |
| Level 6 | STD5000 580-313490/14 | 10071913.D |
| Level 7 | STD10000 580-313490/13 | 10071912.D |
| Level 8 | STD15000 580-313490/12 | 10071911.D |
| Level 9 | STD25000 580-313490/11 | 10071910.D |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | RT WINDOW | AVG RT |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--|-----------------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | 8.707 | 8.707 | 8.707 | 8.707 | 8.707 | 8.707 | 8.707 | 8.707 | 8.707 | | 5.810 - 11.604 | 8.707 |
| Trifluorotoluene (Surr) | 8.050 | 8.058 | 8.048 | 8.057 | 8.061 | 8.059 | 8.061 | +++++ | +++++ | | 7.957 - 8.157 | 8.056 |
| 4-Bromofluorobenzene (Surr) | 11.129 | 11.130 | 11.129 | 11.130 | 11.131 | 11.129 | 11.130 | +++++ | +++++ | | 11.030 - 11.230 | 11.130 |

FORM VI
 GASOLINE RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
 CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 313490

SDG No.: _____

Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2019 18:07 Calibration End Date: 10/07/2019 21:20 Calibration ID: 28348

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|------------------------|--------------|
| Level 1 | STD50 580-313490/19 | 10071918.D |
| Level 2 | STD100 580-313490/18 | 10071917.D |
| Level 3 | STD250 580-313490/17 | 10071916.D |
| Level 4 | STD500 580-313490/16 | 10071915.D |
| Level 5 | STD1000 580-313490/15 | 10071914.D |
| Level 6 | STD5000 580-313490/14 | 10071913.D |
| Level 7 | STD10000 580-313490/13 | 10071912.D |
| Level 8 | STD15000 580-313490/12 | 10071911.D |
| Level 9 | STD25000 580-313490/11 | 10071910.D |

| ANALYTE | CF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN CF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|--------------------------------------|----------------------------|------------------|------------------|------------------|------------|-------------|------------|----|---|--------|------|------|----------|------------|--------|----------------|
| | LVL 1 LVL 5 LVL 9 | LVL 2 LVL 6 | LVL 3 LVL 7 | LVL 4 LVL 8 | | B | M1 | M2 | | | | | | | | |
| Gasoline Range Organics (GRO)-C6-C10 | 193082 134501 144995 | 157226 133461 | 139516 138073 | 145183 147264 | Lin2 | 2547584.34 | 137556.085 | | | 5.0 | | | 0.9970 | | 0.9900 | |
| Trifluorotoluene (Surr) | 181699 158615 ++++ | 166514 180780 | 161073 197605 | 168076 ++++ | Ave | | 173480.218 | | | 25.00 | 8.0 | 25.0 | | | | |
| 4-Bromofluorobenzene (Surr) | 124622 134810 ++++ | 131806 153013 | 121486 177936 | 137429 ++++ | Ave | | 140157.179 | | | 25.00 | 13.9 | 25.0 | | | | |

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
 GASOLINE RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
 RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 313490

SDG No.: _____

Instrument ID: SEA006 GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2019 18:07 Calibration End Date: 10/07/2019 21:20 Calibration ID: 28348

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|------------------------|--------------|
| Level 1 | STD50 580-313490/19 | 10071918.D |
| Level 2 | STD100 580-313490/18 | 10071917.D |
| Level 3 | STD250 580-313490/17 | 10071916.D |
| Level 4 | STD500 580-313490/16 | 10071915.D |
| Level 5 | STD1000 580-313490/15 | 10071914.D |
| Level 6 | STD5000 580-313490/14 | 10071913.D |
| Level 7 | STD10000 580-313490/13 | 10071912.D |
| Level 8 | STD15000 580-313490/12 | 10071911.D |
| Level 9 | STD25000 580-313490/11 | 10071910.D |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|--------------------------------------|------------|----------------------|------------------------|------------------------|------------------------|-----------|----------------------|--------------|---------------|---------------|-------|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | |
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | 9654095 667302888 | 15722625 1380733034 | 34879022 2208961667 | 72591652 3624883780 | 134500520 | 50.0 5000 | 100 10000 | 250 15000 | 500 25000 | 1000 |
| Trifluorotoluene (Surr) | Ave | 3632529 27106133 | 6657881 39505231 | 9660502 +++++ | 13440712 +++++ | 15855133 | 20.0 150 | 40.0 200 | 60.0 +++++ | 80.0 +++++ | 100.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 24924305 30602520 | 26361153 35587157 | 24297185 +++++ | 27485801 +++++ | 26961929 | 200 200 | 200 200 | 200 +++++ | 200 +++++ | 200 |

Curve Type Legend:

Ave = Average
 Lin2 = Linear 1/conc^2

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-313490/20 Calibration Date: 10/07/2019 21:44
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 10071919.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 139394 | | 995 | 1000 | -0.5 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 170069 | | 58.8 | 60.0 | -2.0 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 139940 | | 200 | 200 | -0.2 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-313490/20 Calibration Date: 10/07/2019 21:44
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 10071919.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.71 | 5.81 | 11.60 |
| Trifluorotoluene (Surr) | 8.06 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316277/6 Calibration Date: 11/07/2019 13:39
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071905.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 156870 | | 1120 | 1000 | 12.2 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 187865 | | 64.9 | 60.0 | 8.3 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 168207 | | 240 | 200 | 20.0 | 25.0 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316280/6 Calibration Date: 11/07/2019 13:39
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071905.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 156870 | | 1120 | 1000 | 12.2 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 187865 | | 64.9 | 60.0 | 8.3 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 168207 | | 240 | 200 | 20.0 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316277/6 Calibration Date: 11/07/2019 13:39
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071905.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.71 | 5.82 | 11.59 |
| Trifluorotoluene (Surr) | 8.06 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316280/6 Calibration Date: 11/07/2019 13:39
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071905.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.71 | 5.82 | 11.59 |
| Trifluorotoluene (Surr) | 8.06 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316277/17 Calibration Date: 11/07/2019 18:05
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071916.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 143145 | | 1020 | 1000 | 2.2 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 167603 | | 57.9 | 60.0 | -3.4 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 147254 | | 210 | 200 | 5.1 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316277/17 Calibration Date: 11/07/2019 18:05
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071916.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.71 | 5.82 | 11.59 |
| Trifluorotoluene (Surr) | 8.06 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316280/28 Calibration Date: 11/07/2019 22:31
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071927.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 147694 | | 1060 | 1000 | 5.5 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 185500 | | 64.1 | 60.0 | 6.9 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 155873 | | 222 | 200 | 11.2 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316280/28 Calibration Date: 11/07/2019 22:31
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071927.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.71 | 5.82 | 11.59 |
| Trifluorotoluene (Surr) | 8.05 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316280/39 Calibration Date: 11/08/2019 02:56
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071938.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 137917 | | 984 | 1000 | -1.6 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 173177 | | 59.9 | 60.0 | -0.2 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 155809 | | 222 | 200 | 11.2 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316280/39 Calibration Date: 11/08/2019 02:56
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11071938.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.71 | 5.82 | 11.59 |
| Trifluorotoluene (Surr) | 8.05 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316476/6 Calibration Date: 11/11/2019 12:15
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11111906.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 137285 | | 980 | 1000 | -2.0 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 159878 | | 55.3 | 60.0 | -7.8 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 143719 | | 205 | 200 | 2.5 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316476/6 Calibration Date: 11/11/2019 12:15
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11111906.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.70 | 5.81 | 11.59 |
| Trifluorotoluene (Surr) | 8.06 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316476/16 Calibration Date: 11/11/2019 16:16
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11111916.D Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|--------------------------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| Gasoline Range Organics (GRO)-C6-C10 | Lin2 | | 134845 | | 962 | 1000 | -3.8 | 25.0 |
| Trifluorotoluene (Surr) | Ave | 173480 | 159078 | | 55.0 | 60.0 | -8.3 | 25.0 |
| 4-Bromofluorobenzene (Surr) | Ave | 140157 | 149407 | | 213 | 200 | 6.6 | 25.0 |

FORM VII
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316476/16 Calibration Date: 11/11/2019 16:16
 Instrument ID: SEA006 Calib Start Date: 10/07/2019 18:07
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 10/07/2019 21:20
 Lab File ID: 11111916.D Heated Purge: (Y/N) N

| Analyte | RT | RT WINDOW | |
|--------------------------------------|-------|-----------|-------|
| | | FROM | TO |
| Gasoline Range Organics (GRO)-C6-C10 | 8.70 | 5.81 | 11.59 |
| Trifluorotoluene (Surr) | 8.06 | 7.96 | 8.16 |
| 4-Bromofluorobenzene (Surr) | 11.13 | 11.03 | 11.23 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316277/7
 Matrix: Water Lab File ID: 11071906.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 14:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316277 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | ND | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 91 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 95 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316280/29
 Matrix: Water Lab File ID: 11071928.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 22:55
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316280 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | ND | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 90 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 99 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316476/7
 Matrix: Water Lab File ID: 11111907.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/11/2019 12:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316476 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | ND | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 100 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 106 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316277/8
 Matrix: Water Lab File ID: 11071907.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 14:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316277 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 1.06 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 103 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 110 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316280/30
 Matrix: Water Lab File ID: 11071929.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 23:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316280 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 1.04 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 104 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 114 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316476/8
 Matrix: Water Lab File ID: 11111908.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/11/2019 13:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316476 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 1.09 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 108 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 117 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316277/9
 Matrix: Water Lab File ID: 11071908.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 14:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316277 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 1.01 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 95 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 105 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316280/31
 Matrix: Water Lab File ID: 11071930.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/07/2019 23:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316280 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 0.960 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 91 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 101 | | 50-150 |

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316476/9
 Matrix: Water Lab File ID: 11111909.D
 Analysis Method: AK101 Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/11/2019 13:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-VRX ID: 0.45 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 316476 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|-----------|--------------------------------------|--------|---|------|------|
| 8006-61-9 | Gasoline Range Organics (GRO)-C6-C10 | 0.986 | | 0.25 | 0.10 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|----------|-----------------------------|------|---|--------|
| 98-08-8 | Trifluorotoluene (Surr) | 93 | | 50-150 |
| 460-00-4 | 4-Bromofluorobenzene (Surr) | 103 | | 50-150 |

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: SEA006 Start Date: 10/07/2019 17:42

Analysis Batch Number: 313490 End Date: 10/08/2019 09:00

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|-------------------------------|------------------|------------------|-----------------|-------------|-------------------|
| RTC 580-313490/10 | | 10/07/2019 17:42 | 1 | | RTX-VRX 0.45 (mm) |
| STD25000 580-313490/11 IC | | 10/07/2019 18:07 | 1 | 10071910.D | RTX-VRX 0.45 (mm) |
| STD15000 580-313490/12 IC | | 10/07/2019 18:31 | 1 | 10071911.D | RTX-VRX 0.45 (mm) |
| STD10000 580-313490/13 IC | | 10/07/2019 18:55 | 1 | 10071912.D | RTX-VRX 0.45 (mm) |
| STD5000 580-313490/14 IC | | 10/07/2019 19:19 | 1 | 10071913.D | RTX-VRX 0.45 (mm) |
| STD1000 580-313490/15 ICRT | | 10/07/2019 19:43 | 1 | 10071914.D | RTX-VRX 0.45 (mm) |
| STD500 580-313490/16 IC | | 10/07/2019 20:08 | 1 | 10071915.D | RTX-VRX 0.45 (mm) |
| STD250 580-313490/17 IC | | 10/07/2019 20:32 | 1 | 10071916.D | RTX-VRX 0.45 (mm) |
| STD100 580-313490/18 IC | | 10/07/2019 20:56 | 1 | 10071917.D | RTX-VRX 0.45 (mm) |
| STD50 580-313490/19 IC | | 10/07/2019 21:20 | 1 | 10071918.D | RTX-VRX 0.45 (mm) |
| ICV 580-313490/20 | | 10/07/2019 21:44 | 1 | 10071919.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/07/2019 22:08 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/07/2019 22:32 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/07/2019 22:56 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/07/2019 23:20 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/07/2019 23:44 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 00:08 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 00:32 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 00:56 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 01:20 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 01:45 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-313490/31 | | 10/08/2019 02:09 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 02:33 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 02:57 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 03:21 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 03:45 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 04:10 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 04:34 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 04:58 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 05:22 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 05:47 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 06:11 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-313490/42 | | 10/08/2019 06:35 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 06:59 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 07:24 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 07:48 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 08:12 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 10/08/2019 08:36 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-313490/48 | | 10/08/2019 09:00 | 1 | | RTX-VRX 0.45 (mm) |

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: SEA006 Start Date: 11/07/2019 13:15

Analysis Batch Number: 316277 End Date: 11/07/2019 22:31

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|-------------|-------------------|
| RTC 580-316277/5 | | 11/07/2019 13:15 | 1 | 11071904.D | RTX-VRX 0.45 (mm) |
| CCVRT 580-316277/6 | | 11/07/2019 13:39 | 1 | 11071905.D | RTX-VRX 0.45 (mm) |
| MB 580-316277/7 | | 11/07/2019 14:03 | 1 | 11071906.D | RTX-VRX 0.45 (mm) |
| LCS 580-316277/8 | | 11/07/2019 14:27 | 1 | 11071907.D | RTX-VRX 0.45 (mm) |
| LCSD 580-316277/9 | | 11/07/2019 14:51 | 1 | 11071908.D | RTX-VRX 0.45 (mm) |
| 580-90546-5 | | 11/07/2019 15:40 | 1 | 11071910.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/07/2019 16:04 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/07/2019 16:29 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/07/2019 16:53 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-316277/17 | | 11/07/2019 18:05 | 1 | 11071916.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/07/2019 22:06 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-316277/28 | | 11/07/2019 22:31 | 1 | | RTX-VRX 0.45 (mm) |

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: SEA006 Start Date: 11/07/2019 13:15

Analysis Batch Number: 316280 End Date: 11/08/2019 02:56

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|-------------|-------------------|
| RTC 580-316280/5 | | 11/07/2019 13:15 | 1 | 11071904.D | RTX-VRX 0.45 (mm) |
| CCVRT 580-316280/6 | | 11/07/2019 13:39 | 1 | 11071905.D | RTX-VRX 0.45 (mm) |
| CCV 580-316280/28 | | 11/07/2019 22:31 | 1 | 11071927.D | RTX-VRX 0.45 (mm) |
| MB 580-316280/29 | | 11/07/2019 22:55 | 1 | 11071928.D | RTX-VRX 0.45 (mm) |
| LCS 580-316280/30 | | 11/07/2019 23:19 | 1 | 11071929.D | RTX-VRX 0.45 (mm) |
| LCSD 580-316280/31 | | 11/07/2019 23:43 | 1 | 11071930.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/08/2019 00:07 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/08/2019 00:32 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/08/2019 00:56 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/08/2019 01:20 | 1 | | RTX-VRX 0.45 (mm) |
| 580-90546-2 | | 11/08/2019 01:44 | 1 | 11071935.D | RTX-VRX 0.45 (mm) |
| 580-90546-4 | | 11/08/2019 02:08 | 1 | 11071936.D | RTX-VRX 0.45 (mm) |
| 580-90546-3 | | 11/08/2019 02:32 | 1 | 11071937.D | RTX-VRX 0.45 (mm) |
| CCV 580-316280/39 | | 11/08/2019 02:56 | 1 | 11071938.D | RTX-VRX 0.45 (mm) |

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: SEA006 Start Date: 11/11/2019 11:51

Analysis Batch Number: 316476 End Date: 11/11/2019 22:41

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|-------------|-------------------|
| RTC 580-316476/5 | | 11/11/2019 11:51 | 1 | 11111905.D | RTX-VRX 0.45 (mm) |
| CCVRT 580-316476/6 | | 11/11/2019 12:15 | 1 | 11111906.D | RTX-VRX 0.45 (mm) |
| MB 580-316476/7 | | 11/11/2019 12:39 | 1 | 11111907.D | RTX-VRX 0.45 (mm) |
| LCS 580-316476/8 | | 11/11/2019 13:03 | 1 | 11111908.D | RTX-VRX 0.45 (mm) |
| LCSD 580-316476/9 | | 11/11/2019 13:27 | 1 | 11111909.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/11/2019 13:51 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/11/2019 14:15 | 1 | | RTX-VRX 0.45 (mm) |
| 580-90546-1 | | 11/11/2019 14:39 | 1 | 11111912.D | RTX-VRX 0.45 (mm) |
| CCV 580-316476/16 | | 11/11/2019 16:16 | 1 | 11111916.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/11/2019 19:05 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/11/2019 19:29 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/11/2019 19:53 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-316476/27 | | 11/11/2019 20:41 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-316476/32 | | 11/11/2019 22:41 | 1 | | RTX-VRX 0.45 (mm) |

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 313490 Batch Start Date: 10/07/19 17:42 Batch Analyst: Vaughan, Dmiitra C

Batch Method: AK101 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | BFBGRO ARCHON 00038 | GRO BTEXBlend 00010 | GRO_LCS 00056 | Methanol 1L 00032 |
|----------------------------------|------------------|--------------|-------|---------------|-------------|------------------------|------------------------|---------------|----------------------|
| STD25000 580-313490/11 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 1250 uL | 1250 uL |
| STD15000 580-313490/12 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 750 uL | 1750 uL |
| STD10000 580-313490/13 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 500 uL | 2000 uL |
| STD5000 580-313490/14 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 250 uL | 2250 uL |
| STD1000 580-313490/15 ICRT | | AK101 | | 5 mL | 5 mL | 2 uL | | 50 uL | 2450 uL |
| STD500 580-313490/16 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 25 uL | 2475 uL |
| STD250 580-313490/17 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 12.5 uL | 2500 uL |
| STD100 580-313490/18 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 5 uL | 2500 uL |
| STD50 580-313490/19 IC | | AK101 | | 5 mL | 5 mL | 2 uL | | 2.5 uL | 2500 uL |
| ICV 580-313490/20 | | AK101 | | 5 mL | 5 mL | 2 uL | 50 uL | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TFT Spike 00036 | V2.4TFT-EX 00041 | | | | |
|---------------------------------|------------------|--------------|-------|-----------------|---------------------|--|--|--|--|
| STD25000 580-313490/11 IC | | AK101 | | 1 uL | | | | | |
| STD15000 580-313490/12 IC | | AK101 | | 1 uL | | | | | |
| STD10000 580-313490/13 IC | | AK101 | | 50 uL | | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 313490 Batch Start Date: 10/07/19 17:42 Batch Analyst: Vaughan, Dmitra C

Batch Method: AK101 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TFT Spike 00036 | V2.4TFT-EX 00041 | | | | |
|----------------------------------|------------------|--------------|-------|-----------------|---------------------|--|--|--|--|
| STD5000 580-313490/14 IC | | AK101 | | 37.5 uL | | | | | |
| STD1000 580-313490/15 ICRT | | AK101 | | 25 uL | | | | | |
| STD500 580-313490/16 IC | | AK101 | | 20 uL | | | | | |
| STD250 580-313490/17 IC | | AK101 | | 15 uL | | | | | |
| STD100 580-313490/18 IC | | AK101 | | 10 uL | | | | | |
| STD50 580-313490/19 IC | | AK101 | | 5 uL | | | | | |
| ICV 580-313490/20 | | AK101 | | | 2500 uL | | | | |

| Batch Notes | |
|------------------------------|------------------------|
| pH Indicator ID | pH 0.0-6.0 LOT#6901002 |
| Pipette/Syringe/Dispenser ID | B50N, C25N, C25000 |
| Vial Lot Number | 0217701E |

| Basis | Basis Description |
|-------|-------------------|
| | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316277 Batch Start Date: 11/07/19 13:15 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: AK101 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | BFBGRO ARCHON 00040 | GRO_LCS 00057 | RT_GRO_CUS 00022 |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------|------------------------|---------------|---------------------|
| RTC 580-316277/5 | | AK101 | | 5 mL | 5 mL | | 2 uL | | 22 uL |
| CCVRT 580-316277/6 | | AK101 | | 5 mL | 5 mL | | 2 uL | 25 uL | |
| MB 580-316277/7 | | AK101 | | 5 mL | 5 mL | | 2 uL | | |
| LCS 580-316277/8 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| LCSD 580-316277/9 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| 580-90546-G-5 | Trip Blank | AK101 | T | 5 mL | 5 mL | 3.0 SU | 2 uL | | |
| CCV 580-316277/17 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TFT Spike 00038 | V2.4TFFT-EX 00043 | | | | |
|-----------------------|------------------|--------------|-------|-----------------|----------------------|--|--|--|--|
| RTC 580-316277/5 | | AK101 | | | 1250 uL | | | | |
| CCVRT 580-316277/6 | | AK101 | | | 1250 uL | | | | |
| MB 580-316277/7 | | AK101 | | 10.75 uL | | | | | |
| LCS 580-316277/8 | | AK101 | | | 2500 uL | | | | |
| LCSD 580-316277/9 | | AK101 | | | 2500 uL | | | | |
| 580-90546-G-5 | Trip Blank | AK101 | T | 10.75 uL | | | | | |
| CCV 580-316277/17 | | AK101 | | | 2500 uL | | | | |

| Batch Notes | |
|------------------------------|------------------------|
| pH Indicator ID | pH0.0-0.6 lot #6901002 |
| Pipette/Syringe/Dispenser ID | B50N ,C25P, C2500Q |
| Vial Lot Number | lot #0217701E |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316280 Batch Start Date: 11/07/19 13:15 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: AK101 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | BFBGRO ARCHON 00040 | GRO_LCS 00057 | RT_GRO_CUS 00022 |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------|------------------------|---------------|---------------------|
| RTC 580-316280/5 | | AK101 | | 5 mL | 5 mL | | 2 uL | | 22 uL |
| CCVRT 580-316280/6 | | AK101 | | 5 mL | 5 mL | | 2 uL | 25 uL | |
| CCV 580-316280/28 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| MB 580-316280/29 | | AK101 | | 5 mL | 5 mL | | 2 uL | | |
| LCS 580-316280/30 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| LCSD 580-316280/31 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| 580-90546-G-2 | MW-8-W-191104 | AK101 | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| 580-90546-E-4 | BD-1-W-191104 | AK101 | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| 580-90546-D-3 | MW-10-W-191104 | AK101 | T | 5 mL | 5 mL | <2 SU | 2 uL | | |
| CCV 580-316280/39 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TFT Spike 00038 | V2.4TFT-EX 00043 | | | | |
|-----------------------|------------------|--------------|-------|-----------------|---------------------|--|--|--|--|
| RTC 580-316280/5 | | AK101 | | | 1250 uL | | | | |
| CCVRT 580-316280/6 | | AK101 | | | 1250 uL | | | | |
| CCV 580-316280/28 | | AK101 | | | 2500 uL | | | | |
| MB 580-316280/29 | | AK101 | | 10.75 uL | | | | | |
| LCS 580-316280/30 | | AK101 | | | 2500 uL | | | | |
| LCSD 580-316280/31 | | AK101 | | | 2500 uL | | | | |
| 580-90546-G-2 | MW-8-W-191104 | AK101 | T | 10.75 uL | | | | | |
| 580-90546-E-4 | BD-1-W-191104 | AK101 | T | 10.75 uL | | | | | |
| 580-90546-D-3 | MW-10-W-191104 | AK101 | T | 10.75 uL | | | | | |
| CCV 580-316280/39 | | AK101 | | | 2500 uL | | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316280 Batch Start Date: 11/07/19 13:15 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: AK101 Batch End Date: _____

| Batch Notes | |
|-----------------|----------------------|
| pH Indicator ID | 0.0-0.6 lot #6901002 |
| Vial Lot Number | lot #0217701E |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316476 Batch Start Date: 11/11/19 11:51 Batch Analyst: Vaughan, Dmiitra C

Batch Method: AK101 Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | Initial pH | BFBGRO ARCHON 00040 | GRO_LCS 00057 | RT_GRO_CUS 00022 |
|-----------------------|------------------|--------------|-------|---------------|-------------|------------|------------------------|---------------|---------------------|
| RTC 580-316476/5 | | AK101 | | 5 mL | 5 mL | | 2 uL | | 22 uL |
| CCVRT 580-316476/6 | | AK101 | | 5 mL | 5 mL | | 2 uL | 25 uL | |
| MB 580-316476/7 | | AK101 | | 5 mL | 5 mL | | 2 uL | | |
| LCS 580-316476/8 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| LCSD 580-316476/9 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |
| 580-90546-H-1 | EQB-1-W-191104 | AK101 | T | 5 mL | 5 mL | <2.0 SU | 2 uL | | |
| CCV 580-316476/16 | | AK101 | | 5 mL | 5 mL | | 2 uL | 50 uL | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | TFT Spike 00038 | V2.4TFFT-EX 00043 | | | | |
|-----------------------|------------------|--------------|-------|-----------------|----------------------|--|--|--|--|
| RTC 580-316476/5 | | AK101 | | | 1250 uL | | | | |
| CCVRT 580-316476/6 | | AK101 | | | 1250 uL | | | | |
| MB 580-316476/7 | | AK101 | | 10.75 uL | | | | | |
| LCS 580-316476/8 | | AK101 | | | 2500 uL | | | | |
| LCSD 580-316476/9 | | AK101 | | | 2500 uL | | | | |
| 580-90546-H-1 | EQB-1-W-191104 | AK101 | T | 10.75 uL | | | | | |
| CCV 580-316476/16 | | AK101 | | | 2500 uL | | | | |

| Batch Notes | |
|------------------------------|---------------------------|
| pH Indicator ID | pH 0.0-6.0 lot#6901002 |
| Pipette/Syringe/Dispenser ID | B50N, C25P, C2500Q, B100W |
| Vial Lot Number | 0217701E |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8011

**EDB, DBCP, and 1,2,3-TCP (GC) by
Method 8011**

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): ZB-624short ID: 0.18 (mm)

| Client Sample ID | Lab Sample ID | 12DBP1 # |
|------------------------|------------------------|----------|
| MW-10-W-191104 | 580-90546-3 | 116 |
| Trip Blank-W-191104 | 580-90546-5 | 120 |
| | MB 580-316714/3-A | 116 |
| | LCS 580-316714/4-A | 122 |
| | LCSD 580-316714/5-A | 107 |
| | LLCS 580-316714/6-A | 111 |

12DBP = 1,2-Dibromopropane

QC LIMITS
60-140

Column to be used to flag recovery values

FORM II 8011

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 46K111519a020.D
 Lab ID: LCS 580-316714/4-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCS CONCENTRATION (ug/L) | LCS % REC | QC LIMITS REC | # |
|------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| 1,2,3-Trichloropropane | 0.0571 | 0.0787 | 138 | 60-140 | |
| Ethylene Dibromide | 0.0571 | 0.0775 | 136 | 60-140 | |

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 46K111519a021.D
 Lab ID: LCS D 580-316714/5-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LCS D CONCENTRATION (ug/L) | LCS D % REC | % RPD | QC LIMITS | | # |
|------------------------|--------------------------|----------------------------------|-------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| 1,2,3-Trichloropropane | 0.0571 | 0.0797 | 139 | 1 | 20 | 60-140 | |
| Ethylene Dibromide | 0.0571 | 0.0713 | 125 | 8 | 20 | 60-140 | |

Column to be used to flag recovery and RPD values
 FORM III 8011

FORM III
GC SEMI VOA LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 46K111519a022.D

Lab ID: LLCS 580-316714/6-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/L) | LLCS CONCENTRATION (ug/L) | LLCS % REC | QC LIMITS REC | # |
|------------------------|--------------------------|---------------------------------|------------------|---------------------|---|
| 1,2,3-Trichloropropane | 0.0114 | 0.0130 J | 114 | 60-140 | |
| Ethylene Dibromide | 0.0114 | 0.00996 J | 87 | 60-140 | |

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: MB 580-316714/3-A
 Matrix: Water Date Extracted: 11/13/2019 11:59
 Lab File ID: (1) 46K111519a019.D Lab File ID: (2) 46K111519a019.D
 Date Analyzed: (1) 11/15/2019 13:32 Date Analyzed: (2) 11/15/2019 13:32
 Instrument ID: (1) TAC046 Instrument ID: (2) TAC046
 GC Column: (1) ZB-624short ID: 0.18 (mm) GC Column: (2) RTX-VRX ID: 0.45 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | DATE ANALYZED 1 | | DATE ANALYZED 2 | |
|---------------------|---------------------|-----------------|-------|-----------------|-------|
| | | | | | |
| | LCS 580-316714/4-A | 11/15/2019 | 13:48 | 11/15/2019 | 13:48 |
| | LCSD 580-316714/5-A | 11/15/2019 | 14:04 | 11/15/2019 | 14:04 |
| | LLCS 580-316714/6-A | 11/15/2019 | 14:20 | 11/15/2019 | 14:20 |
| MW-10-W-191104 | 580-90546-3 | 11/15/2019 | 14:52 | 11/15/2019 | 14:52 |
| Trip Blank-W-191104 | 580-90546-5 | 11/15/2019 | 15:27 | 11/15/2019 | 15:27 |

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316714/4-A
 Instrument ID (1): TAC046 Instrument ID (2): TAC046
 Date Analyzed (1): 11/15/2019 13:48 Date Analyzed (2): 11/15/2019 13:48
 GC Column (1): ZB-624short ID: 0.18(mm) GC Column (2): RTX-VRX ID: 0.45(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|------------------------|-----|------|------|-----------|------|---------------|------|------|
| | | | | FROM | TO | PEAK | MEAN | |
| Ethylene Dibromide | 1 | | 4.79 | 4.76 | 4.82 | 0.0775 | | 16.0 |
| | 2 | | 4.75 | 4.72 | 4.78 | 0.0660 | | |
| 1,2,3-Trichloropropane | 1 | | 5.49 | 5.46 | 5.52 | 0.0787 | | 38.4 |
| | 2 | | 5.36 | 5.32 | 5.38 | 0.0534 | | |

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316714/5-A
 Instrument ID (1): TAC046 Instrument ID (2): TAC046
 Date Analyzed (1): 11/15/2019 14:04 Date Analyzed (2): 11/15/2019 14:04
 GC Column (1): ZB-624short ID: 0.18(mm) GC Column (2): RTX-VRX ID: 0.45(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|------------------------|-----|------|------|-----------|------|---------------|------|------|
| | | | | FROM | TO | PEAK | MEAN | |
| Ethylene Dibromide | 1 | | 4.79 | 4.76 | 4.82 | 0.0713 | | 1.0 |
| | 2 | | 4.76 | 4.72 | 4.78 | 0.0706 | | |
| 1,2,3-Trichloropropane | 1 | | 5.49 | 5.46 | 5.52 | 0.0797 | | 36.3 |
| | 2 | | 5.36 | 5.32 | 5.38 | 0.0552 | | |

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LLCS 580-316714/6-A
 Instrument ID (1): TAC046 Instrument ID (2): TAC046
 Date Analyzed (1): 11/15/2019 14:20 Date Analyzed (2): 11/15/2019 14:20
 GC Column (1): ZB-624short ID: 0.18(mm) GC Column (2): RTX-VRX ID: 0.45(mm)

| ANALYTE | COL | PEAK | RT | RT WINDOW | | CONCENTRATION | | RPD |
|------------------------|-----|------|------|-----------|------|---------------|------|------|
| | | | | FROM | TO | PEAK | MEAN | |
| Ethylene Dibromide | 1 | | 4.79 | 4.76 | 4.82 | 0.00996 | | 30.2 |
| | 2 | | 4.76 | 4.72 | 4.78 | 0.0135 | | |
| 1,2,3-Trichloropropane | 1 | | 5.49 | 5.46 | 5.52 | 0.0130 | | 40.8 |
| | 2 | | 5.36 | 5.32 | 5.38 | 0.00859 | | |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-10-W-191104 Lab Sample ID: 580-90546-3
 Matrix: Water Lab File ID: 46K111519a024.D
 Analysis Method: 8011 Date Collected: 11/04/2019 14:00
 Extraction Method: 8011 Date Extracted: 11/13/2019 11:59
 Sample wt/vol: 42 (mL) Date Analyzed: 11/15/2019 14:52
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-624short ID: 0.18 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316916 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|--------|--------|
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 0.025 | 0.0067 |
| 106-93-4 | Ethylene Dibromide | ND | | 0.0083 | 0.0017 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|--------------------|------|---|--------|
| 78-75-1 | 1,2-Dibromopropane | 116 | | 60-140 |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: Trip Blank-W-191104 Lab Sample ID: 580-90546-5
 Matrix: Water Lab File ID: 46K111519a025.D
 Analysis Method: 8011 Date Collected: 11/04/2019 00:01
 Extraction Method: 8011 Date Extracted: 11/13/2019 11:59
 Sample wt/vol: 42.4 (mL) Date Analyzed: 11/15/2019 15:27
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-624short ID: 0.18 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316916 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|--------|--------|
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 0.025 | 0.0066 |
| 106-93-4 | Ethylene Dibromide | ND | | 0.0083 | 0.0017 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|--------------------|------|---|--------|
| 78-75-1 | 1,2-Dibromopropane | 120 | | 60-140 |

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 311558

SDG No.: _____

Instrument ID: TAC046 GC Column: ZB-624short ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2019 13:10 Calibration End Date: 09/18/2019 15:23 Calibration ID: 28238

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|-----------------|
| Level 1 | IC 580-311558/3 | 46I091819a005.D |
| Level 2 | IC 580-311558/4 | 46I091819a006.D |
| Level 3 | IC 580-311558/5 | 46I091819a007.D |
| Level 4 | IC 580-311558/6 | 46I091819a008.D |
| Level 5 | IC 580-311558/7 | 46I091819a009.D |
| Level 6 | ICIS 580-311558/8 | 46I091819a010.D |
| Level 7 | IC 580-311558/9 | 46I091819a011.D |
| Level 8 | IC 580-311558/10 | 46I091819a012.D |
| Level 9 | IC 580-311558/11 | 46I091819a013.D |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | RT WINDOW | AVG RT |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|--------|
| Ethylene Dibromide | 4.793 | 4.791 | 4.792 | 4.791 | 4.790 | 4.790 | 4.791 | 4.791 | 4.791 | 4.762 - 4.822 | 4.791 |
| 1,2,3-Trichloropropane | +++++ | +++++ | 5.487 | 5.489 | 5.487 | 5.487 | 5.488 | 5.488 | 5.487 | 5.457 - 5.517 | 5.488 |
| 1,2-Dibromo-3-Chloropropane | 6.609 | 6.605 | 6.606 | 6.603 | 6.605 | 6.604 | 6.604 | 6.605 | 6.605 | 6.576 - 6.636 | 6.605 |
| 1,2-Dibromopropane | 5.056 | 5.057 | 5.056 | 5.056 | 5.055 | 5.055 | 5.056 | 5.056 | 5.056 | 5.026 - 5.086 | 5.056 |

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 311558

SDG No.: _____

Instrument ID: TAC046 GC Column: ZB-624short ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2019 13:10 Calibration End Date: 09/18/2019 15:23 Calibration ID: 28238

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|-----------------|
| Level 1 | IC 580-311558/3 | 46I091819a005.D |
| Level 2 | IC 580-311558/4 | 46I091819a006.D |
| Level 3 | IC 580-311558/5 | 46I091819a007.D |
| Level 4 | IC 580-311558/6 | 46I091819a008.D |
| Level 5 | IC 580-311558/7 | 46I091819a009.D |
| Level 6 | ICIS 580-311558/8 | 46I091819a010.D |
| Level 7 | IC 580-311558/9 | 46I091819a011.D |
| Level 8 | IC 580-311558/10 | 46I091819a012.D |
| Level 9 | IC 580-311558/11 | 46I091819a013.D |

| ANALYTE | CF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN CF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-----------------------------|-------------------------------|--------------------|--------------------|--------------------|------------|-------------|------------|----|---|--------|------|---|----------|------------|---|----------------|
| | LVL 1 LVL 5 LVL 9 | LVL 2 LVL 6 | LVL 3 LVL 7 | LVL 4 LVL 8 | | B | M1 | M2 | | | | | | | | |
| Ethylene Dibromide | 5280179 2842795 2202546 | 4396611 2487038 | 4316973 2355210 | 3792352 2255702 | Lin1 | 186259.650 | 2222413.32 | | | 17.2 | | | 0.9980 | | | 0.9900 |
| 1,2,3-Trichloropropane | ++++ 247980 180682 | ++++ 224730 | 179648 220439 | 234234 196176 | LinF | | 185950.561 | | | 20.9 | | | 0.9940 | | | 0.9900 |
| 1,2-Dibromo-3-Chloropropane | 3406968 3252830 3040039 | 3708770 3220606 | 4139266 3232347 | 3802912 3129481 | Lin1 | 58303.2282 | 3091738.03 | | | 13.1 | | | 0.9990 | | | 0.9900 |
| 1,2-Dibromopropane | 2677050 1928800 1822931 | 2638536 1877686 | 2592515 1661070 | 2549314 1759160 | Lin | 16942.9682 | 1802915.97 | | | 29.9 | | | 0.9990 | | | 0.9900 |

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 311558

SDG No.: _____

Instrument ID: TAC046 GC Column: ZB-624short ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2019 13:10 Calibration End Date: 09/18/2019 15:23 Calibration ID: 28238

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|-----------------|
| Level 1 | IC 580-311558/3 | 46I091819a005.D |
| Level 2 | IC 580-311558/4 | 46I091819a006.D |
| Level 3 | IC 580-311558/5 | 46I091819a007.D |
| Level 4 | IC 580-311558/6 | 46I091819a008.D |
| Level 5 | IC 580-311558/7 | 46I091819a009.D |
| Level 6 | ICIS 580-311558/8 | 46I091819a010.D |
| Level 7 | IC 580-311558/9 | 46I091819a011.D |
| Level 8 | IC 580-311558/10 | 46I091819a012.D |
| Level 9 | IC 580-311558/11 | 46I091819a013.D |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|-----------------------------|------------|----------|---------|----------|----------|---------|----------------------|--------|--------|-------|-------|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | |
| Ethylene Dibromide | Lin1 | 265989 | 310071 | 434935 | 668639 | 1432058 | 0.0504 | 0.0705 | 0.101 | 0.176 | 0.504 |
| | | 2505691 | 5932184 | 11363100 | 22190654 | | 1.01 | 2.52 | 5.04 | 10.1 | |
| 1,2,3-Trichloropropane | LinF | ++++ | ++++ | 17875 | 40786 | 123370 | ++++ | ++++ | 0.0995 | 0.174 | 0.498 |
| | | 223606 | 548343 | 975974 | 1797783 | | 0.995 | 2.49 | 4.98 | 9.95 | |
| 1,2-Dibromo-3-Chloropropane | Lin1 | 171626 | 261561 | 417031 | 670501 | 1638613 | 0.0504 | 0.0705 | 0.101 | 0.176 | 0.504 |
| | | 3244761 | 8141473 | 15764763 | 30628391 | | 1.01 | 2.52 | 5.04 | 10.1 | |
| 1,2-Dibromopropane | Lin | 267705 | 369395 | 518503 | 892260 | 1928800 | 0.100 | 0.140 | 0.200 | 0.350 | 1.00 |
| | | 3755371 | 8305350 | 17591601 | 36458612 | | 2.00 | 5.00 | 10.0 | 20.0 | |

Curve Type Legend:

| |
|---------------------------|
| Lin = Linear |
| Lin1 = Linear 1/conc |
| LinF = Linear forced zero |

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 311558

SDG No.: _____

Instrument ID: TAC046 GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2019 13:10 Calibration End Date: 09/18/2019 15:23 Calibration ID: 28239

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|-----------------|
| Level 1 | IC 580-311558/3 | 46I091819a005.D |
| Level 2 | IC 580-311558/4 | 46I091819a006.D |
| Level 3 | IC 580-311558/5 | 46I091819a007.D |
| Level 4 | IC 580-311558/6 | 46I091819a008.D |
| Level 5 | IC 580-311558/7 | 46I091819a009.D |
| Level 6 | ICIS 580-311558/8 | 46I091819a010.D |
| Level 7 | IC 580-311558/9 | 46I091819a011.D |
| Level 8 | IC 580-311558/10 | 46I091819a012.D |
| Level 9 | IC 580-311558/11 | 46I091819a013.D |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | RT WINDOW | AVG RT |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|--------|
| Ethylene Dibromide | 4.752 | 4.749 | 4.750 | 4.751 | 4.750 | 4.750 | 4.750 | 4.751 | 4.751 | 4.720 - 4.780 | 4.750 |
| 1,2,3-Trichloropropane | +++++ | +++++ | 5.355 | 5.356 | 5.356 | 5.354 | 5.354 | 5.355 | 5.356 | 5.325 - 5.385 | 5.355 |
| 1,2-Dibromo-3-Chloropropane | 6.440 | 6.440 | 6.440 | 6.441 | 6.439 | 6.439 | 6.436 | 6.440 | 6.440 | 6.410 - 6.470 | 6.439 |
| 1,2-Dibromopropane | 5.062 | 5.062 | 5.062 | 5.062 | 5.061 | 5.061 | 5.062 | 5.062 | 5.062 | 5.032 - 5.092 | 5.062 |

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 311558

SDG No.: _____

Instrument ID: TAC046 GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2019 13:10 Calibration End Date: 09/18/2019 15:23 Calibration ID: 28239

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|-----------------|
| Level 1 | IC 580-311558/3 | 46I091819a005.D |
| Level 2 | IC 580-311558/4 | 46I091819a006.D |
| Level 3 | IC 580-311558/5 | 46I091819a007.D |
| Level 4 | IC 580-311558/6 | 46I091819a008.D |
| Level 5 | IC 580-311558/7 | 46I091819a009.D |
| Level 6 | ICIS 580-311558/8 | 46I091819a010.D |
| Level 7 | IC 580-311558/9 | 46I091819a011.D |
| Level 8 | IC 580-311558/10 | 46I091819a012.D |
| Level 9 | IC 580-311558/11 | 46I091819a013.D |

| ANALYTE | CF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN CF | %RSD | # | MAX %RSD | R ² OR COD | # | MIN R ² OR COD |
|-----------------------------|-------------------------------|--------------------|--------------------|--------------------|------------|-------------|------------|----|---|--------|------|---|----------|-----------------------|--------|---------------------------|
| | LVL 1 LVL 5 LVL 9 | LVL 2 LVL 6 | LVL 3 LVL 7 | LVL 4 LVL 8 | | B | M1 | M2 | | | | | | | | |
| Ethylene Dibromide | 2945151 2408437 2348368 | 2718738 2565997 | 3272020 2296977 | 3100052 2338317 | LinF | | 2346072.52 | | | 21.2 | | | 1.0000 | | 0.9900 | |
| 1,2,3-Trichloropropane | ++++ 228197 193606 | ++++ 218580 | 244442 198113 | 210808 178962 | Lin | 7708.50353 | 190191.032 | | | 11.1 | | | 0.9980 | | 0.9900 | |
| 1,2-Dibromo-3-Chloropropane | 570759 2897580 3393795 | 1637065 3303846 | 2015404 3415885 | 3091244 3401390 | Lin2 | -137347.57 | 3449736.52 | | | 6.0 | | | 0.9950 | | 0.9900 | |
| 1,2-Dibromopropane | 4017980 2101386 2090088 | 3212664 2106357 | 3799170 1931138 | 3410903 2138154 | Lin1 | 233908.031 | 2058600.95 | | | 20.8 | | | 0.9970 | | 0.9900 | |

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 311558

SDG No.: _____

Instrument ID: TAC046 GC Column: RTX-VRX ID: 0.45 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/18/2019 13:10 Calibration End Date: 09/18/2019 15:23 Calibration ID: 28239

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|-----------------|
| Level 1 | IC 580-311558/3 | 46I091819a005.D |
| Level 2 | IC 580-311558/4 | 46I091819a006.D |
| Level 3 | IC 580-311558/5 | 46I091819a007.D |
| Level 4 | IC 580-311558/6 | 46I091819a008.D |
| Level 5 | IC 580-311558/7 | 46I091819a009.D |
| Level 6 | ICIS 580-311558/8 | 46I091819a010.D |
| Level 7 | IC 580-311558/9 | 46I091819a011.D |
| Level 8 | IC 580-311558/10 | 46I091819a012.D |
| Level 9 | IC 580-311558/11 | 46I091819a013.D |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (UG/L) | | | | |
|-----------------------------|------------|----------|---------|----------|----------|---------|----------------------|--------|--------|-------|-------|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | |
| Ethylene Dibromide | LinF | 148362 | 191739 | 329656 | 546578 | 1213250 | 0.0504 | 0.0705 | 0.101 | 0.176 | 0.504 |
| | | 2585242 | 5785510 | 11779273 | 23659807 | | 1.01 | 2.52 | 5.04 | 10.1 | |
| 1,2,3-Trichloropropane | Lin | ++++ | ++++ | 24322 | 36707 | 113528 | ++++ | ++++ | 0.0995 | 0.174 | 0.498 |
| | | 217487 | 492805 | 890334 | 1926379 | | 0.995 | 2.49 | 4.98 | 9.95 | |
| 1,2-Dibromo-3-Chloropropane | Lin2 | 28752 | 115454 | 203052 | 545025 | 1459656 | 0.0504 | 0.0705 | 0.101 | 0.176 | 0.504 |
| | | 3328625 | 8603760 | 17134503 | 34192483 | | 1.01 | 2.52 | 5.04 | 10.1 | |
| 1,2-Dibromopropane | Lin1 | 401798 | 449773 | 759834 | 1193816 | 2101386 | 0.100 | 0.140 | 0.200 | 0.350 | 1.00 |
| | | 4212713 | 9655689 | 21381540 | 41801754 | | 2.00 | 5.00 | 10.0 | 20.0 | |

Curve Type Legend:

| |
|---------------------------|
| Lin = Linear |
| Lin1 = Linear 1/conc |
| Lin2 = Linear 1/conc^2 |
| LinF = Linear forced zero |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-311558/12 Calibration Date: 09/18/2019 15:39
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: ZB-624short ID: 0.18 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46I091819a014.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|--------|---------|--------|-------------|--------------|------|--------|
| Ethylene Dibromide | Lin1 | | 2306300 | | 0.954 | 1.00 | -4.6 | 20.0 |
| 1,2,3-Trichloropropane | LinF | | 222068 | | 1.19 | 1.00 | 19.4 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Lin1 | | 2975642 | | 0.944 | 1.00 | -5.6 | 20.0 |
| 1,2-Dibromopropane | Lin | | 1977024 | | 2.18 | 2.00 | 9.2 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-311558/12 Calibration Date: 09/18/2019 15:39
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: ZB-624short ID: 0.18 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46I091819a014.D

| Analyte | RT | RT WINDOW | |
|-----------------------------|------|-----------|------|
| | | FROM | TO |
| Ethylene Dibromide | 4.79 | 4.76 | 4.82 |
| 1,2,3-Trichloropropane | 5.49 | 5.46 | 5.52 |
| 1,2-Dibromo-3-Chloropropane | 6.61 | 6.57 | 6.63 |
| 1,2-Dibromopropane | 5.06 | 5.03 | 5.09 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-311558/12 Calibration Date: 09/18/2019 15:39
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46I091819a014.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|--------|---------|--------|-------------|--------------|-------|--------|
| Ethylene Dibromide | LinF | | 2278217 | | 0.971 | 1.00 | -2.9 | 20.0 |
| 1,2,3-Trichloropropane | Lin | | 160138 | | 0.801 | 1.00 | -19.9 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Lin2 | | 3042324 | | 0.922 | 1.00 | -7.8 | 20.0 |
| 1,2-Dibromopropane | Lin1 | | 2580879 | | 2.39 | 2.00 | 19.7 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-311558/12 Calibration Date: 09/18/2019 15:39
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46I091819a014.D

| Analyte | RT | RT WINDOW | |
|-----------------------------|------|-----------|------|
| | | FROM | TO |
| Ethylene Dibromide | 4.75 | 4.72 | 4.78 |
| 1,2,3-Trichloropropane | 5.36 | 5.32 | 5.38 |
| 1,2-Dibromo-3-Chloropropane | 6.44 | 6.41 | 6.47 |
| 1,2-Dibromopropane | 5.06 | 5.03 | 5.09 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 13:17
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: ZB-624short ID: 0.18 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a018.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|--------|---------|--------|-------------|--------------|------|--------|
| Ethylene Dibromide | Lin1 | | 2734387 | | 0.0660 | 0.0576 | 14.7 | 20.0 |
| 1,2,3-Trichloropropane | LinF | | 204258 | | 0.0625 | 0.0569 | 9.8 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Lin1 | | 3501119 | | 0.0641 | 0.0576 | 11.4 | 20.0 |
| 1,2-Dibromopropane | Lin | | 1932161 | | 0.122 | 0.114 | 6.7 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 13:17
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: ZB-624short ID: 0.18 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a018.D

| Analyte | RT | RT WINDOW | |
|-----------------------------|------|-----------|------|
| | | FROM | TO |
| Ethylene Dibromide | 4.79 | 4.76 | 4.82 |
| 1,2,3-Trichloropropane | 5.49 | 5.46 | 5.52 |
| 1,2-Dibromo-3-Chloropropane | 6.61 | 6.57 | 6.63 |
| 1,2-Dibromopropane | 5.06 | 5.03 | 5.09 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 13:17
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a018.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|--------|---------|--------|-------------|--------------|------|--------|
| Ethylene Dibromide | LinF | | 2715023 | | 0.0666 | 0.0576 | 15.7 | 20.0 |
| 1,2,3-Trichloropropane | Lin | | 209924 | | 0.0604 | 0.0569 | 6.3 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Lin2 | | 3946928 | | 0.0681 | 0.0576 | 18.4 | 20.0 |
| 1,2-Dibromopropane | Lin1 | | 2491599 | | 0.132 | 0.114 | 15.4 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 13:17
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a018.D

| Analyte | RT | RT WINDOW | |
|-----------------------------|------|-----------|------|
| | | FROM | TO |
| Ethylene Dibromide | 4.75 | 4.72 | 4.78 |
| 1,2,3-Trichloropropane | 5.36 | 5.32 | 5.38 |
| 1,2-Dibromo-3-Chloropropane | 6.44 | 6.41 | 6.47 |
| 1,2-Dibromopropane | 5.07 | 5.03 | 5.09 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 16:30
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: ZB-624short ID: 0.18 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a029.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|--------|---------|--------|-------------|--------------|-------|--------|
| Ethylene Dibromide | Lin1 | | 2452309 | | 0.0587 | 0.0576 | 2.0 | 20.0 |
| 1,2,3-Trichloropropane | LinF | | 217220 | | 0.0664 | 0.0569 | 16.8 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Lin1 | | 3901807 | | 0.0716 | 0.0576 | 24.3* | 20.0 |
| 1,2-Dibromopropane | Lin | | 1883106 | | 0.119 | 0.114 | 4.0 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 16:30
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: ZB-624short ID: 0.18 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a029.D

| Analyte | RT | RT WINDOW | |
|-----------------------------|------|-----------|------|
| | | FROM | TO |
| Ethylene Dibromide | 4.79 | 4.76 | 4.82 |
| 1,2,3-Trichloropropane | 5.49 | 5.46 | 5.52 |
| 1,2-Dibromo-3-Chloropropane | 6.61 | 6.57 | 6.63 |
| 1,2-Dibromopropane | 5.06 | 5.03 | 5.09 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 16:30
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a029.D Conc. Units: ug/L

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-----------------------------|------------|--------|---------|--------|-------------|--------------|------|--------|
| Ethylene Dibromide | LinF | | 2596660 | | 0.0637 | 0.0576 | 10.7 | 20.0 |
| 1,2,3-Trichloropropane | Lin | | 205433 | | 0.0591 | 0.0569 | 3.9 | 20.0 |
| 1,2-Dibromo-3-Chloropropane | Lin2 | | 3859728 | | 0.0667 | 0.0576 | 15.8 | 20.0 |
| 1,2-Dibromopropane | Lin1 | | 2527426 | | 0.134 | 0.114 | 17.1 | 20.0 |

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316714/1-A Calibration Date: 11/15/2019 16:30
 Instrument ID: TAC046 Calib Start Date: 09/18/2019 13:10
 GC Column: RTX-VRX ID: 0.45 (mm) Calib End Date: 09/18/2019 15:23
 Lab File ID: 46K111519a029.D

| Analyte | RT | RT WINDOW | |
|-----------------------------|------|-----------|------|
| | | FROM | TO |
| Ethylene Dibromide | 4.75 | 4.72 | 4.78 |
| 1,2,3-Trichloropropane | 5.36 | 5.32 | 5.38 |
| 1,2-Dibromo-3-Chloropropane | 6.44 | 6.41 | 6.47 |
| 1,2-Dibromopropane | 5.07 | 5.03 | 5.09 |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316714/3-A
 Matrix: Water Lab File ID: 46K111519a019.D
 Analysis Method: 8011 Date Collected: _____
 Extraction Method: 8011 Date Extracted: 11/13/2019 11:59
 Sample wt/vol: 35 (mL) Date Analyzed: 11/15/2019 13:32
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-624short ID: 0.18 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316916 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-------|--------|
| 96-18-4 | 1,2,3-Trichloropropane | ND | | 0.030 | 0.0080 |
| 106-93-4 | Ethylene Dibromide | ND | | 0.010 | 0.0020 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|--------------------|------|---|--------|
| 78-75-1 | 1,2-Dibromopropane | 116 | | 60-140 |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316714/4-A
 Matrix: Water Lab File ID: 46K111519a020.D
 Analysis Method: 8011 Date Collected: _____
 Extraction Method: 8011 Date Extracted: 11/13/2019 11:59
 Sample wt/vol: 35 (mL) Date Analyzed: 11/15/2019 13:48
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-624short ID: 0.18 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316916 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-------|--------|
| 96-18-4 | 1,2,3-Trichloropropane | 0.0787 | | 0.030 | 0.0080 |
| 106-93-4 | Ethylene Dibromide | 0.0775 | | 0.010 | 0.0020 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|--------------------|------|---|--------|
| 78-75-1 | 1,2-Dibromopropane | 122 | | 60-140 |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316714/5-A
 Matrix: Water Lab File ID: 46K111519a021.D
 Analysis Method: 8011 Date Collected: _____
 Extraction Method: 8011 Date Extracted: 11/13/2019 11:59
 Sample wt/vol: 35 (mL) Date Analyzed: 11/15/2019 14:04
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-624short ID: 0.18 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316916 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-------|--------|
| 96-18-4 | 1,2,3-Trichloropropane | 0.0797 | | 0.030 | 0.0080 |
| 106-93-4 | Ethylene Dibromide | 0.0713 | | 0.010 | 0.0020 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|--------------------|------|---|--------|
| 78-75-1 | 1,2-Dibromopropane | 107 | | 60-140 |

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LLCS 580-316714/6-A
 Matrix: Water Lab File ID: 46K111519a022.D
 Analysis Method: 8011 Date Collected: _____
 Extraction Method: 8011 Date Extracted: 11/13/2019 11:59
 Sample wt/vol: 35 (mL) Date Analyzed: 11/15/2019 14:20
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-624short ID: 0.18 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316916 Units: ug/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|---------|---|-------|--------|
| 96-18-4 | 1,2,3-Trichloropropane | 0.0130 | J | 0.030 | 0.0080 |
| 106-93-4 | Ethylene Dibromide | 0.00996 | J | 0.010 | 0.0020 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|--------------------|------|---|--------|
| 78-75-1 | 1,2-Dibromopropane | 111 | | 60-140 |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Start Date: 09/18/2019 13:10

Analysis Batch Number: 311558 End Date: 09/18/2019 15:39

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|-------------------|------------------|------------------|-----------------|-----------------|-----------------------|
| IC 580-311558/3 | | 09/18/2019 13:10 | 1 | 46I091819a005.D | ZB-624short 0.18 (mm) |
| IC 580-311558/3 | | 09/18/2019 13:10 | 1 | 46I091819a005.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/4 | | 09/18/2019 13:30 | 1 | 46I091819a006.D | ZB-624short 0.18 (mm) |
| IC 580-311558/4 | | 09/18/2019 13:30 | 1 | 46I091819a006.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/5 | | 09/18/2019 13:46 | 1 | 46I091819a007.D | ZB-624short 0.18 (mm) |
| IC 580-311558/5 | | 09/18/2019 13:46 | 1 | 46I091819a007.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/6 | | 09/18/2019 14:03 | 1 | 46I091819a008.D | ZB-624short 0.18 (mm) |
| IC 580-311558/6 | | 09/18/2019 14:03 | 1 | 46I091819a008.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/7 | | 09/18/2019 14:19 | 1 | 46I091819a009.D | ZB-624short 0.18 (mm) |
| IC 580-311558/7 | | 09/18/2019 14:19 | 1 | 46I091819a009.D | RTX-VRX 0.45 (mm) |
| ICIS 580-311558/8 | | 09/18/2019 14:35 | 1 | 46I091819a010.D | ZB-624short 0.18 (mm) |
| ICIS 580-311558/8 | | 09/18/2019 14:35 | 1 | 46I091819a010.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/9 | | 09/18/2019 14:51 | 1 | 46I091819a011.D | ZB-624short 0.18 (mm) |
| IC 580-311558/9 | | 09/18/2019 14:51 | 1 | 46I091819a011.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/10 | | 09/18/2019 15:07 | 1 | 46I091819a012.D | ZB-624short 0.18 (mm) |
| IC 580-311558/10 | | 09/18/2019 15:07 | 1 | 46I091819a012.D | RTX-VRX 0.45 (mm) |
| IC 580-311558/11 | | 09/18/2019 15:23 | 1 | 46I091819a013.D | ZB-624short 0.18 (mm) |
| IC 580-311558/11 | | 09/18/2019 15:23 | 1 | 46I091819a013.D | RTX-VRX 0.45 (mm) |
| ICV 580-311558/12 | | 09/18/2019 15:39 | 1 | 46I091819a014.D | ZB-624short 0.18 (mm) |
| ICV 580-311558/12 | | 09/18/2019 15:39 | 1 | 46I091819a014.D | RTX-VRX 0.45 (mm) |

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC046 Start Date: 11/15/2019 13:17

Analysis Batch Number: 316916 End Date: 11/15/2019 17:34

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---------------------|------------------|------------------|-----------------|-----------------|-----------------------|
| CCV 580-316714/1-A | | 11/15/2019 13:17 | 1 | 46K111519a018.D | ZB-624short 0.18 (mm) |
| CCV 580-316714/1-A | | 11/15/2019 13:17 | 1 | 46K111519a018.D | RTX-VRX 0.45 (mm) |
| MB 580-316714/3-A | | 11/15/2019 13:32 | 1 | 46K111519a019.D | ZB-624short 0.18 (mm) |
| MB 580-316714/3-A | | 11/15/2019 13:32 | 1 | 46K111519a019.D | RTX-VRX 0.45 (mm) |
| LCS 580-316714/4-A | | 11/15/2019 13:48 | 1 | 46K111519a020.D | ZB-624short 0.18 (mm) |
| LCS 580-316714/4-A | | 11/15/2019 13:48 | 1 | 46K111519a020.D | RTX-VRX 0.45 (mm) |
| LCSD 580-316714/5-A | | 11/15/2019 14:04 | 1 | 46K111519a021.D | ZB-624short 0.18 (mm) |
| LCSD 580-316714/5-A | | 11/15/2019 14:04 | 1 | 46K111519a021.D | RTX-VRX 0.45 (mm) |
| LLCS 580-316714/6-A | | 11/15/2019 14:20 | 1 | 46K111519a022.D | ZB-624short 0.18 (mm) |
| LLCS 580-316714/6-A | | 11/15/2019 14:20 | 1 | 46K111519a022.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 14:36 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 14:36 | 1 | | RTX-VRX 0.45 (mm) |
| 580-90546-3 | | 11/15/2019 14:52 | 1 | 46K111519a024.D | ZB-624short 0.18 (mm) |
| 580-90546-3 | | 11/15/2019 14:52 | 1 | 46K111519a024.D | RTX-VRX 0.45 (mm) |
| 580-90546-5 | | 11/15/2019 15:27 | 1 | 46K111519a025.D | ZB-624short 0.18 (mm) |
| 580-90546-5 | | 11/15/2019 15:27 | 1 | 46K111519a025.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 15:42 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 15:42 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 15:58 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 15:58 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 16:14 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 16:14 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-316714/1-A | | 11/15/2019 16:30 | 1 | 46K111519a029.D | ZB-624short 0.18 (mm) |
| CCV 580-316714/1-A | | 11/15/2019 16:30 | 1 | 46K111519a029.D | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 16:46 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 16:46 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 17:02 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 17:02 | 1 | | RTX-VRX 0.45 (mm) |
| ZZZZZ | | 11/15/2019 17:18 | 1 | | ZB-624short 0.18 (mm) |
| ZZZZZ | | 11/15/2019 17:18 | 1 | | RTX-VRX 0.45 (mm) |
| CCV 580-316714/1-A | | 11/15/2019 17:34 | 1 | | ZB-624short 0.18 (mm) |
| CCV 580-316714/1-A | | 11/15/2019 17:34 | 1 | | RTX-VRX 0.45 (mm) |

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316714 Batch Start Date: 11/13/19 11:59 Batch Analyst: Guerra, Fernando C

Batch Method: 8011 Batch End Date: 11/13/19 14:10

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GrossWeight | TareWeight | InitialAmount | FinalAmount | ResidualChloChe ck | ReceivedpH |
|----------------------|------------------------|--------------|-------|-------------|------------|---------------|-------------|-----------------------|------------|
| CCV 580-316714/1 | | 8011, 8011 | | | | 35 mL | 2 mL | no | 7.0 SU |
| MB 580-316714/3 | | 8011, 8011 | | | | 35 mL | 2 mL | no | 7.0 SU |
| LCS 580-316714/4 | | 8011, 8011 | | | | 35 mL | 2 mL | no | 7.0 SU |
| LCSD 580-316714/5 | | 8011, 8011 | | | | 35 mL | 2 mL | no | 7.0 SU |
| LLCS 580-316714/6 | | 8011, 8011 | | | | 35 mL | 2 mL | no | 7.0 SU |
| 580-90546-L-3 | MW-10-W-191104 | 8011, 8011 | T | 67.910 g | 25.909 g | 42 mL | 2 mL | | |
| 580-90546-J-5 | Trip Blank-W-191104 | 8011, 8011 | T | 69.115 g | 26.697 g | 42.4 mL | 2 mL | | |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | 504/8011_IC 00106 | 504/8011_Sspk 00093 | 504/8011_Ssur 00094 | | | |
|----------------------|------------------------|--------------|-------|----------------------|------------------------|------------------------|--|--|--|
| CCV 580-316714/1 | | 8011, 8011 | | 10 uL | | | | | |
| MB 580-316714/3 | | 8011, 8011 | | | | 10 uL | | | |
| LCS 580-316714/4 | | 8011, 8011 | | | 10 uL | 10 uL | | | |
| LCSD 580-316714/5 | | 8011, 8011 | | | 10 uL | 10 uL | | | |
| LLCS 580-316714/6 | | 8011, 8011 | | | 2 uL | 10 uL | | | |
| 580-90546-L-3 | MW-10-W-191104 | 8011, 8011 | T | | | 10 uL | | | |
| 580-90546-J-5 | Trip Blank-W-191104 | 8011, 8011 | T | | | 10 uL | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316714 Batch Start Date: 11/13/19 11:59 Batch Analyst: Guerra, Fernando C

Batch Method: 8011 Batch End Date: 11/13/19 14:10

| Batch Notes | |
|--------------------------------|--|
| Balance ID | SEA232 |
| Batch Comment | Vialed by MT |
| Analyst ID - Extraction | MT |
| NaCl ID | 2311935 |
| Pipette/Syringe/Dispenser ID | 10 microliter syringe, 10mL volumetric pipette |
| Prep Solvent ID | 2440391 |
| Analyst ID - Spike Analyst | MT |
| Sufficient Volume for Batch QC | CCV, MB, LCS, LCSD, LLCS |
| Vial Lot Number | 19133790 |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method AK102 and 103

Alaska - Diesel Range Organics &
Residual Range Organics (GC) by
Method AK102 and AK103

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle

Job No.: 580-90546-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): ZB-1HT ID: 0.25 (mm)

| Client Sample ID | Lab Sample ID | OTPH # |
|------------------|------------------------|--------|
| EQB-1-W-191104 | 580-90546-1 | 94 |
| MW-8-W-191104 | 580-90546-2 | 80 |
| MW-10-W-191104 | 580-90546-3 | 74 |
| BD-1-W-191104 | 580-90546-4 | 78 |
| | MB 580-316768/1-A | 84 |
| | LCS 580-316768/2-A | 77 |
| | LCSD 580-316768/3-A | 77 |

OTPH = o-Terphenyl

QC LIMITS
50-150

Column to be used to flag recovery values

FORM II AK102 & 103

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 111419b_005.D

Lab ID: LCS 580-316768/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCS CONCENTRATION (mg/L) | LCS % REC | QC LIMITS REC | # |
|------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| DRO (nC10-<nC25) | 2.00 | 1.63 | 82 | 75-125 | |

Column to be used to flag recovery and RPD values

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 111419b_006.D

Lab ID: LCSO 580-316768/3-A Client ID: _____

| COMPOUND | SPIKE ADDED (mg/L) | LCSO CONCENTRATION (mg/L) | LCSO % REC | % RPD | QC LIMITS | | # |
|------------------|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| DRO (nC10-<nC25) | 2.00 | 1.57 | 79 | 4 | 20 | 75-125 | |

Column to be used to flag recovery and RPD values

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab File ID: 111419b_004.D Lab Sample ID: MB 580-316768/1-A
 Matrix: Water Date Extracted: 11/14/2019 08:51
 Instrument ID: TAC020 Date Analyzed: 11/14/2019 17:31
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|------------------|---------------------|-------------------|------------------|
| | LCS 580-316768/2-A | 111419b_005 .D | 11/14/2019 17:51 |
| | LCSD 580-316768/3-A | 111419b_006 .D | 11/14/2019 18:11 |
| EQB-1-W-191104 | 580-90546-1 | 111419b_007 .D | 11/14/2019 18:32 |
| MW-8-W-191104 | 580-90546-2 | 111419b_008 .D | 11/14/2019 18:52 |
| MW-10-W-191104 | 580-90546-3 | 111419b_009 .D | 11/14/2019 19:12 |
| BD-1-W-191104 | 580-90546-4 | 111419b_010 .D | 11/14/2019 19:32 |

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: ICRT 580-309293/7 Date Analyzed: 08/26/2019 16:23
 Instrument ID: TAC020 GC Column: ZB-1HT ID: 0.25 (mm)
 Lab File ID (Standard): 082419a_007z.D Heated Purge: (Y/N) N
 Calibration ID: 28142

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

| | | | | OTPH | NTC | |
|-------------------------------|------------------|------------------|----------------|------|------|--|
| | | | | RT # | RT # | |
| INITIAL CALIBRATION SURROGATE | | | | 3.79 | 6.12 | |
| UPPER LIMIT | | | | 3.84 | 6.17 | |
| LOWER LIMIT | | | | 3.74 | 6.07 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| ICRT 580-309293/7 | | 08/26/2019 16:23 | 082419a_007z.D | 3.79 | 6.12 | |
| ICV 580-309293/13 | | 08/26/2019 18:24 | 082419a_013z.D | 3.79 | 6.13 | |

OTPH = o-Terphenyl
 NTC = n-Triacontane-d62

OTPH RT Limit = ± 0.05 minutes of surrogate RT
 NTC RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
DIESEL RANGE ORGANICS ANALYTICAL SEQUENCE

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Sample No.: CCVRT 580-316875/3 Date Analyzed: 11/14/2019 17:11
 Instrument ID: TAC020 GC Column: ZB-1HT ID: 0.25 (mm)
 Lab File ID (Standard): 111419b_003.D Heated Purge: (Y/N) N
 Calibration ID: 28142

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

| | | | | OTPH | NTC | |
|----------------------------------|------------------|------------------|---------------|------|------|--|
| | | | | RT # | RT # | |
| CONTINUING CALIBRATION SURROGATE | | | | 3.71 | 6.02 | |
| UPPER LIMIT | | | | 3.76 | 6.07 | |
| LOWER LIMIT | | | | 3.66 | 5.97 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | LAB FILE ID | | | |
| CCVRT 580-316875/3 | | 11/14/2019 17:11 | 111419b_003.D | 3.71 | 6.02 | |
| MB 580-316768/1-A | | 11/14/2019 17:31 | 111419b_004.D | 3.70 | 6.01 | |
| LCS 580-316768/2-A | | 11/14/2019 17:51 | 111419b_005.D | 3.70 | 6.02 | |
| LCSD 580-316768/3-A | | 11/14/2019 18:11 | 111419b_006.D | 3.70 | 6.03 | |
| 580-90546-1 | EQB-1-W-191104 | 11/14/2019 18:32 | 111419b_007.D | 3.70 | | |
| 580-90546-2 | MW-8-W-191104 | 11/14/2019 18:52 | 111419b_008.D | 3.70 | | |
| 580-90546-3 | MW-10-W-191104 | 11/14/2019 19:12 | 111419b_009.D | 3.70 | | |
| 580-90546-4 | BD-1-W-191104 | 11/14/2019 19:32 | 111419b_010.D | 3.70 | | |
| CCV 580-316875/14 | | 11/14/2019 20:53 | 111419b_014.D | 3.70 | 6.01 | |

OTPH = o-Terphenyl
 NTC = n-Triacontane-d62

OTPH RT Limit = ± 0.05 minutes of surrogate RT
 NTC RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: EQB-1-W-191104 Lab Sample ID: 580-90546-1
 Matrix: Water Lab File ID: 111419b_007.D
 Analysis Method: AK102 & 103 Date Collected: 11/04/2019 08:30
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 248.1 (mL) Date Analyzed: 11/14/2019 18:32
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | ND | | 0.11 | 0.076 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 94 | | 50-150 |

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-8-W-191104 Lab Sample ID: 580-90546-2
 Matrix: Water Lab File ID: 111419b_008.D
 Analysis Method: AK102 & 103 Date Collected: 11/04/2019 12:00
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 247.3(mL) Date Analyzed: 11/14/2019 18:52
 Con. Extract Vol.: 1.0(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: ZB-1HT ID: 0.25(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | 0.51 | | 0.11 | 0.076 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 80 | | 50-150 |

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: MW-10-W-191104 Lab Sample ID: 580-90546-3
 Matrix: Water Lab File ID: 111419b_009.D
 Analysis Method: AK102 & 103 Date Collected: 11/04/2019 14:00
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 236.2 (mL) Date Analyzed: 11/14/2019 19:12
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | 0.32 | | 0.12 | 0.079 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 74 | | 50-150 |

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: BD-1-W-191104 Lab Sample ID: 580-90546-4
 Matrix: Water Lab File ID: 111419b_010.D
 Analysis Method: AK102 & 103 Date Collected: 11/04/2019 00:01
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 250.2 (mL) Date Analyzed: 11/14/2019 19:32
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | 0.64 | | 0.11 | 0.075 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 78 | | 50-150 |

Eurofins TestAmerica, Seattle

Data File: \\chromna\Seattle\ChromData\TAC020\20190825-67057.b\082419a_002z.D

Injection Date: 26-Aug-2019 14:43:30

Instrument ID: TAC020

Lims ID: RTC

Client ID:

Operator ID: jcm

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 1.0 ul

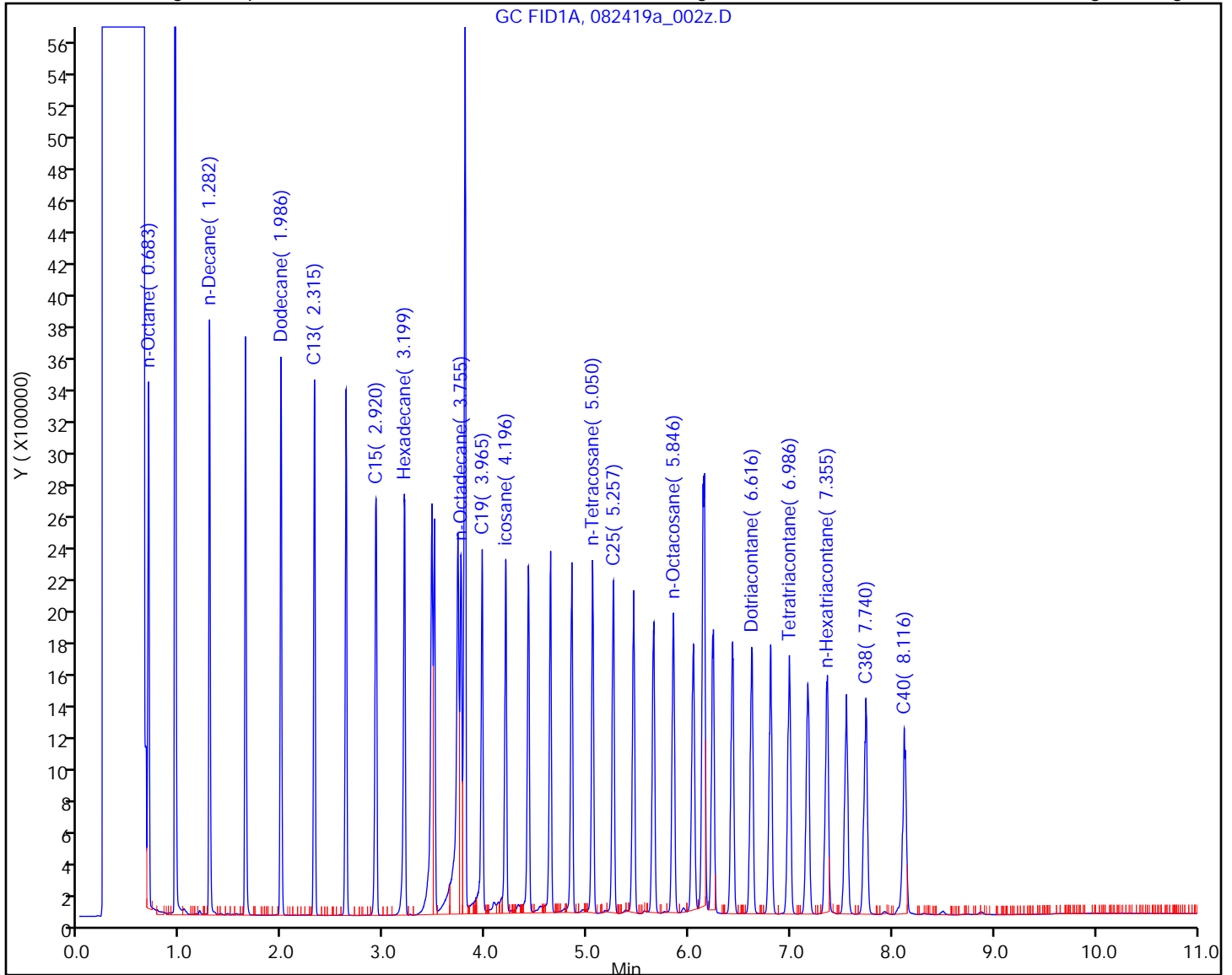
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: Ak 102 DRO AK103 RRO

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 309293

SDG No.: _____

Instrument ID: TAC020 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:03 Calibration End Date: 08/26/2019 18:04 Calibration ID: 28142

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|----------|-------------------|----------------|
| Level 1 | IC 580-309293/12 | 082419a_012z.D |
| Level 2 | IC 580-309293/11 | 082419a_011z.D |
| Level 3 | IC 580-309293/10 | 082419a_010z.D |
| Level 4 | IC 580-309293/9 | 082419a_009z.D |
| Level 5 | IC 580-309293/8 | 082419a_008z.D |
| Level 6 | ICRT 580-309293/7 | 082419a_007z.D |
| Level 7 | IC 580-309293/6 | 082419a_006z.D |
| Level 8 | IC 580-309293/5 | 082419a_005z.D |
| Level 9 | IC 580-309293/4 | 082419a_004z.D |
| Level 10 | IC 580-309293/3 | 082419a_003z.D |

| ANALYTE | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | RT WINDOW | AVG RT |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------------|--------|
| DRO (nC10-<nC25) | 3.196 | 3.196 | 3.196 | 3.196 | 3.196 | 3.196 | 3.196 | 3.196 | 3.196 | 3.196 | 1.230 - 5.162 | 3.196 |
| RRO (nC25-nC36) | 6.285 | 6.285 | 6.285 | 6.285 | 6.285 | 6.285 | 6.285 | 6.285 | 6.285 | 6.285 | 5.162 - 7.408 | 6.285 |
| o-Terphenyl | 3.788 | 3.788 | 3.785 | 3.785 | 3.784 | 3.788 | 3.793 | 3.799 | +++++ | +++++ | 3.297 - 4.297 | 3.789 |
| n-Triacontane-d62 | 6.115 | 6.118 | 6.117 | 6.115 | 6.118 | 6.119 | 6.138 | 6.154 | 6.178 | 6.289 | 5.888 - 6.388 | 6.146 |

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 309293

SDG No.: _____

Instrument ID: TAC020 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:03 Calibration End Date: 08/26/2019 18:04 Calibration ID: 28142

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|----------|-------------------|----------------|
| Level 1 | IC 580-309293/12 | 082419a_012z.D |
| Level 2 | IC 580-309293/11 | 082419a_011z.D |
| Level 3 | IC 580-309293/10 | 082419a_010z.D |
| Level 4 | IC 580-309293/9 | 082419a_009z.D |
| Level 5 | IC 580-309293/8 | 082419a_008z.D |
| Level 6 | ICRT 580-309293/7 | 082419a_007z.D |
| Level 7 | IC 580-309293/6 | 082419a_006z.D |
| Level 8 | IC 580-309293/5 | 082419a_005z.D |
| Level 9 | IC 580-309293/4 | 082419a_004z.D |
| Level 10 | IC 580-309293/3 | 082419a_003z.D |

| ANALYTE | CF | | | | CURVE TYPE | COEFFICIENT | | | # | MIN CF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-------------------|----------------------------|----------------------------|------------------|------------------|------------|-------------|------------|----|---|--------|------|------|----------|------------|---|----------------|
| | LVL 1 | LVL 2 | LVL 3 | LVL 4 | | B | M1 | M2 | | | | | | | | |
| | LVL 5 | LVL 6 | LVL 7 | LVL 8 | | | | | | | | | | | | |
| DRO (nC10-<nC25) | 208878 149874 142963 | 171317 147403 141858 | 159653 149456 | 154379 143881 | Lin2 | 619456.978 | 145270.705 | | | 2.1 | | | 1.0000 | | | 0.9900 |
| RRO (nC25-nC36) | 124740 78832 74187 | 92125 76231 73988 | 84822 76213 | 80578 74184 | Lin2 | 473583.300 | 74648.5964 | | | 3.5 | | | 0.9990 | | | 0.9900 |
| o-Terphenyl | 163333 148666 ++++ | 155166 138585 ++++ | 153976 130657 | 155430 125821 | Lin2 | 5410.69603 | 140054.150 | | | 7.2 | | | 0.9940 | | | 0.9900 |
| n-Triacontane-d62 | 127017 110544 115640 | 123934 112204 134840 | 115093 114384 | 113399 118588 | Ave | | 118564.300 | | | 6.5 | | 25.0 | | | | |

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
DIESEL RANGE ORGANICS BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1 Analy Batch No.: 309293

SDG No.: _____

Instrument ID: TAC020 GC Column: ZB-1HT ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/26/2019 15:03 Calibration End Date: 08/26/2019 18:04 Calibration ID: 28142

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|----------|-------------------|----------------|
| Level 1 | IC 580-309293/12 | 082419a_012z.D |
| Level 2 | IC 580-309293/11 | 082419a_011z.D |
| Level 3 | IC 580-309293/10 | 082419a_010z.D |
| Level 4 | IC 580-309293/9 | 082419a_009z.D |
| Level 5 | IC 580-309293/8 | 082419a_008z.D |
| Level 6 | ICRT 580-309293/7 | 082419a_007z.D |
| Level 7 | IC 580-309293/6 | 082419a_006z.D |
| Level 8 | IC 580-309293/5 | 082419a_005z.D |
| Level 9 | IC 580-309293/4 | 082419a_004z.D |
| Level 10 | IC 580-309293/3 | 082419a_003z.D |

| ANALYTE | CURVE TYPE | RESPONSE | | | | | CONCENTRATION (NG/UL) | | | | |
|-------------------|------------|----------|-----------|-----------|-----------|------------|-----------------------|-------|-------|-------|--------|
| | | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 | LVL 1 | LVL 2 | LVL 3 | LVL 4 | LVL 5 |
| | | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 | LVL 6 | LVL 7 | LVL 8 | LVL 9 | LVL 10 |
| DRO (nC10-<nC25) | Lin2 | 2088779 | 3426335 | 7982630 | 15437873 | 29974895 | 10.0 | 20.0 | 50.0 | 100 | 200 |
| | | 73701316 | 149456262 | 287761103 | 714814348 | 1418577555 | 500 | 1000 | 2000 | 5000 | 10000 |
| RRO (nC25-nC36) | Lin2 | 1247396 | 1842497 | 4241106 | 8057822 | 15766304 | 10.0 | 20.0 | 50.0 | 100 | 200 |
| | | 38115477 | 76212648 | 148368386 | 370933853 | 739876151 | 500 | 1000 | 2000 | 5000 | 10000 |
| o-Terphenyl | Lin2 | 32536 | 61818 | 153360 | 309616 | 592287 | 0.199 | 0.398 | 0.996 | 1.99 | 3.98 |
| | | 1380302 | 2602687 | 5012719 | +++++ | +++++ | 9.96 | 19.9 | 39.8 | +++++ | +++++ |
| n-Triacontane-d62 | Ave | 25505 | 49772 | 115553 | 227706 | 443943 | 0.201 | 0.402 | 1.00 | 2.01 | 4.02 |
| | | 1126533 | 2296834 | 4762507 | 11610220 | 27075790 | 10.0 | 20.1 | 40.2 | 100 | 201 |

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

Eurofins TestAmerica, Seattle

Data File: \\chromna\Seattle\ChromData\TAC020\20191114-68542.b\111419b_002.D

Injection Date: 14-Nov-2019 16:51:30

Instrument ID: TAC020

Lims ID: RTC

Client ID:

Operator ID: jcm

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 1.0 ul

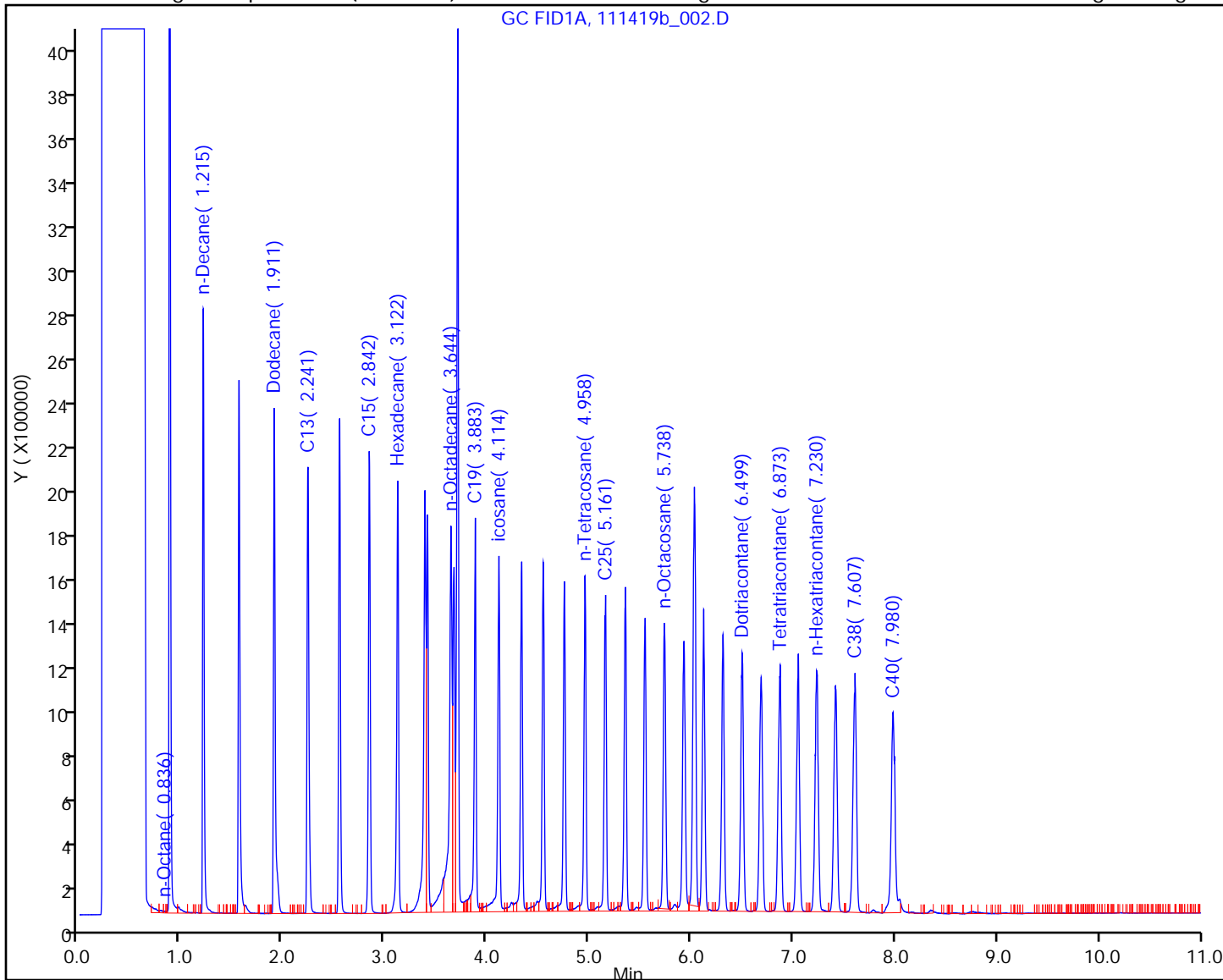
Dil. Factor: 1.0000

Method: TPH-Front_TAC020

Limit Group: Ak 102 DRO AK103 RRO

Column: ZB-1 High Temp. Inferno (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-309293/13 Calibration Date: 08/26/2019 18:24
 Instrument ID: TAC020 Calib Start Date: 08/26/2019 15:03
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 08/26/2019 18:04
 Lab File ID: 082419a_013z.D Conc. Units: ng/uL

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-------------------|------------|--------|--------|--------|-------------|--------------|------|--------|
| DRO (nC10-<nC25) | Lin2 | | 141432 | | 483 | 500 | -3.5 | 25.0 |
| RRO (nC25-nC36) | Lin2 | | 68939 | | 455 | 500 | -8.9 | 25.0 |
| o-Terphenyl | Lin2 | | 136974 | | 19.4 | 19.9 | -2.4 | 25.0 |
| n-Triacontane-d62 | Ave | 118564 | 113652 | | 19.2 | 20.1 | -4.1 | 25.0 |

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: ICV 580-309293/13 Calibration Date: 08/26/2019 18:24
 Instrument ID: TAC020 Calib Start Date: 08/26/2019 15:03
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 08/26/2019 18:04
 Lab File ID: 082419a_013z.D

| Analyte | RT | RT WINDOW | |
|-------------------|------|-----------|------|
| | | FROM | TO |
| DRO (nC10-<nC25) | 3.20 | 1.23 | 5.16 |
| RRO (nC25-nC36) | 6.29 | 5.16 | 7.41 |
| o-Terphenyl | 3.79 | 3.29 | 4.29 |
| n-Triacontane-d62 | 6.13 | 5.87 | 6.37 |

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316875/3 Calibration Date: 11/14/2019 17:11
 Instrument ID: TAC020 Calib Start Date: 08/26/2019 15:03
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 08/26/2019 18:04
 Lab File ID: 111419b_003.D Conc. Units: ng/uL

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-------------------|------------|--------|--------|--------|-------------|--------------|-------|--------|
| DRO (nC10-<nC25) | Lin2 | | 135383 | | 462 | 500 | -7.7 | 25.0 |
| RRO (nC25-nC36) | Lin2 | | 69337 | | 458 | 500 | -8.4 | 25.0 |
| o-Terphenyl | Lin2 | | 108592 | | 7.77 | 10.1 | -22.8 | 25.0 |
| n-Triacontane-d62 | Ave | 118564 | 101617 | | 8.66 | 10.1 | -14.3 | 25.0 |

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCVRT 580-316875/3 Calibration Date: 11/14/2019 17:11
 Instrument ID: TAC020 Calib Start Date: 08/26/2019 15:03
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 08/26/2019 18:04
 Lab File ID: 111419b_003.D

| Analyte | RT | RT WINDOW | |
|-------------------|------|-----------|------|
| | | FROM | TO |
| DRO (nC10-<nC25) | 3.11 | 1.16 | 5.06 |
| RRO (nC25-nC36) | 6.22 | 5.06 | 7.38 |
| o-Terphenyl | 3.71 | 3.21 | 4.21 |
| n-Triacontane-d62 | 6.02 | 5.77 | 6.27 |

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316875/14 Calibration Date: 11/14/2019 20:53
 Instrument ID: TAC020 Calib Start Date: 08/26/2019 15:03
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 08/26/2019 18:04
 Lab File ID: 111419b_014.D Conc. Units: ng/uL

| ANALYTE | CURVE TYPE | AVE CF | CF | MIN CF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|-------------------|------------|--------|--------|--------|-------------|--------------|-------|--------|
| DRO (nC10-<nC25) | Lin2 | | 137394 | | 469 | 500 | -6.3 | 25.0 |
| RRO (nC25-nC36) | Lin2 | | 70733 | | 467 | 500 | -6.5 | 25.0 |
| o-Terphenyl | Lin2 | | 110838 | | 7.93 | 10.1 | -21.2 | 25.0 |
| n-Triacontane-d62 | Ave | 118564 | 95238 | | 8.11 | 10.1 | -19.7 | 25.0 |

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Lab Sample ID: CCV 580-316875/14 Calibration Date: 11/14/2019 20:53
 Instrument ID: TAC020 Calib Start Date: 08/26/2019 15:03
 GC Column: ZB-1HT ID: 0.25 (mm) Calib End Date: 08/26/2019 18:04
 Lab File ID: 111419b_014.D

| Analyte | RT | RT WINDOW | |
|-------------------|------|-----------|------|
| | | FROM | TO |
| DRO (nC10-<nC25) | 3.11 | 1.16 | 5.06 |
| RRO (nC25-nC36) | 6.22 | 5.06 | 7.38 |
| o-Terphenyl | 3.70 | 3.21 | 4.21 |
| n-Triacontane-d62 | 6.01 | 5.77 | 6.27 |

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-316768/1-A
 Matrix: Water Lab File ID: 111419b_004.D
 Analysis Method: AK102 & 103 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 250 (mL) Date Analyzed: 11/14/2019 17:31
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | ND | | 0.11 | 0.075 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 84 | | 50-150 |

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-316768/2-A
 Matrix: Water Lab File ID: 111419b_005.D
 Analysis Method: AK102 & 103 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 250 (mL) Date Analyzed: 11/14/2019 17:51
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | 1.63 | | 0.11 | 0.075 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 77 | | 50-150 |

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-316768/3-A
 Matrix: Water Lab File ID: 111419b_006.D
 Analysis Method: AK102 & 103 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 11/14/2019 08:51
 Sample wt/vol: 250 (mL) Date Analyzed: 11/14/2019 18:11
 Con. Extract Vol.: 1.0 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-1HT ID: 0.25 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 316875 Units: mg/L

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------|--------|---|------|-------|
| STL00258 | DRO (nC10-<nC25) | 1.57 | | 0.11 | 0.075 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 77 | | 50-150 |

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC020 Start Date: 08/26/2019 14:43

Analysis Batch Number: 309293 End Date: 08/27/2019 04:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|-------------------|------------------|------------------|-----------------|----------------|------------------|
| RTC 580-309293/2 | | 08/26/2019 14:43 | 1 | | ZB-1HT 0.25 (mm) |
| IC 580-309293/3 | | 08/26/2019 15:03 | 1 | 082419a_003z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/4 | | 08/26/2019 15:23 | 1 | 082419a_004z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/5 | | 08/26/2019 15:43 | 1 | 082419a_005z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/6 | | 08/26/2019 16:03 | 1 | 082419a_006z.D | ZB-1HT 0.25 (mm) |
| ICRT 580-309293/7 | | 08/26/2019 16:23 | 1 | 082419a_007z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/8 | | 08/26/2019 16:44 | 1 | 082419a_008z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/9 | | 08/26/2019 17:04 | 1 | 082419a_009z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/10 | | 08/26/2019 17:24 | 1 | 082419a_010z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/11 | | 08/26/2019 17:44 | 1 | 082419a_011z.D | ZB-1HT 0.25 (mm) |
| IC 580-309293/12 | | 08/26/2019 18:04 | 1 | 082419a_012z.D | ZB-1HT 0.25 (mm) |
| ICV 580-309293/13 | | 08/26/2019 18:24 | 1 | 082419a_013z.D | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/26/2019 19:45 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/26/2019 20:05 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/26/2019 20:25 | 1 | | ZB-1HT 0.25 (mm) |
| CCV 580-309293/24 | | 08/26/2019 22:06 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 00:27 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 00:48 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 01:08 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 01:28 | 1 | | ZB-1HT 0.25 (mm) |
| CCV 580-309293/35 | | 08/27/2019 01:48 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 02:08 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 02:28 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 02:48 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 03:09 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 03:29 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 03:49 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 04:09 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 08/27/2019 04:29 | 1 | | ZB-1HT 0.25 (mm) |
| CCV 580-309293/44 | | 08/27/2019 04:49 | 1 | | ZB-1HT 0.25 (mm) |

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Instrument ID: TAC020 Start Date: 11/14/2019 16:51

Analysis Batch Number: 316875 End Date: 11/15/2019 02:56

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---------------------|------------------|------------------|-----------------|---------------|------------------|
| RTC 580-316875/2 | | 11/14/2019 16:51 | 1 | 111419b_002.D | ZB-1HT 0.25 (mm) |
| CCVRT 580-316875/3 | | 11/14/2019 17:11 | 1 | 111419b_003.D | ZB-1HT 0.25 (mm) |
| MB 580-316768/1-A | | 11/14/2019 17:31 | 1 | 111419b_004.D | ZB-1HT 0.25 (mm) |
| LCS 580-316768/2-A | | 11/14/2019 17:51 | 1 | 111419b_005.D | ZB-1HT 0.25 (mm) |
| LCSD 580-316768/3-A | | 11/14/2019 18:11 | 1 | 111419b_006.D | ZB-1HT 0.25 (mm) |
| 580-90546-1 | | 11/14/2019 18:32 | 1 | 111419b_007.D | ZB-1HT 0.25 (mm) |
| 580-90546-2 | | 11/14/2019 18:52 | 1 | 111419b_008.D | ZB-1HT 0.25 (mm) |
| 580-90546-3 | | 11/14/2019 19:12 | 1 | 111419b_009.D | ZB-1HT 0.25 (mm) |
| 580-90546-4 | | 11/14/2019 19:32 | 1 | 111419b_010.D | ZB-1HT 0.25 (mm) |
| CCV 580-316875/14 | | 11/14/2019 20:53 | 1 | 111419b_014.D | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/14/2019 21:13 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/14/2019 21:33 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/14/2019 21:53 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/14/2019 22:13 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/14/2019 22:34 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/14/2019 22:54 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/15/2019 00:14 | 1 | | ZB-1HT 0.25 (mm) |
| CCV 580-316875/25 | | 11/15/2019 00:35 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/15/2019 00:55 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/15/2019 01:15 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/15/2019 01:35 | 1 | | ZB-1HT 0.25 (mm) |
| ZZZZZ | | 11/15/2019 01:55 | 1 | | ZB-1HT 0.25 (mm) |
| CCV 580-316875/32 | | 11/15/2019 02:56 | 1 | | ZB-1HT 0.25 (mm) |

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316768 Batch Start Date: 11/14/19 08:51 Batch Analyst: Fisher, Nicholas R

Batch Method: 3510C Batch End Date: 11/14/19 14:52

| Lab Sample ID | Client Sample ID | Method Chain | Basis | GrossWeight | TareWeight | InitialAmount | FinalAmount | ResidualChloCheck | ReceivedpH |
|------------------|------------------|--------------------|-------|-------------|------------|---------------|-------------|-------------------|------------|
| MB 580-316768/1 | | 3510C, AK102 & 103 | | | | 250 mL | 1.0 mL | no | 7.0 SU |
| LCS 580-316768/2 | | 3510C, AK102 & 103 | | | | 250 mL | 1.0 mL | no | 7.0 SU |
| LCS 580-316768/3 | | 3510C, AK102 & 103 | | | | 250 mL | 1.0 mL | no | 7.0 SU |
| 580-90546-A-1 | EQB-1-W-191104 | 3510C, AK102 & 103 | T | 00430.69 g | 00182.61 g | 248.1 mL | 1.0 mL | no | 2.0 SU |
| 580-90546-B-2 | MW-8-W-191104 | 3510C, AK102 & 103 | T | 00428.68 g | 00181.35 g | 247.3 mL | 1.0 mL | no | 2.0 SU |
| 580-90546-B-3 | MW-10-W-191104 | 3510C, AK102 & 103 | T | 00418.53 g | 00182.34 g | 236.2 mL | 1.0 mL | no | 2.0 SU |
| 580-90546-B-4 | BD-1-W-191104 | 3510C, AK102 & 103 | T | 00432.69 g | 00182.45 g | 250.2 mL | 1.0 mL | no | 2.0 SU |

| Lab Sample ID | Client Sample ID | Method Chain | Basis | FirstAdjustpH | TPH_Water_Spk 00023 | TPH_WaterSurr 00050 | | | |
|------------------|------------------|--------------------|-------|---------------|------------------------|------------------------|--|--|--|
| MB 580-316768/1 | | 3510C, AK102 & 103 | | 2.0 SU | | 100 uL | | | |
| LCS 580-316768/2 | | 3510C, AK102 & 103 | | 2.0 SU | 100 uL | 100 uL | | | |
| LCS 580-316768/3 | | 3510C, AK102 & 103 | | 2.0 SU | 100 uL | 100 uL | | | |
| 580-90546-A-1 | EQB-1-W-191104 | 3510C, AK102 & 103 | T | 2.0 SU | | 100 uL | | | |
| 580-90546-B-2 | MW-8-W-191104 | 3510C, AK102 & 103 | T | 2.0 SU | | 100 uL | | | |
| 580-90546-B-3 | MW-10-W-191104 | 3510C, AK102 & 103 | T | 2.0 SU | | 100 uL | | | |
| 580-90546-B-4 | BD-1-W-191104 | 3510C, AK102 & 103 | T | 2.0 SU | | 100 uL | | | |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-90546-1

SDG No.: _____

Batch Number: 316768 Batch Start Date: 11/14/19 08:51

Batch Analyst: Fisher, Nicholas R

Batch Method: 3510C Batch End Date: 11/14/19 14:52

| Batch Notes | |
|---|------------------------------------|
| Acid Used for pH Adjustment ID | 2430697 |
| Balance ID | SEA225 |
| Batch Comment | Vialed By: NRF |
| Analyst ID - Concentration | NRF |
| Concentration 1 Corrected Temperature | 70-75 Degrees C |
| Concentration 2 Corrected Temperature | 18.9 Degrees C |
| Equipment ID - Concentration 1 | Steam Bath 1 |
| Equipment ID - Concentration 2 | TurboVap 5 |
| Analyst ID - Extraction | NRF |
| Method/Fraction | 3510C_LVI/AK102/103/NWTPH_Dx/3630C |
| pH Indicator ID | 6901002 |
| Pipette/Syringe/Dispenser ID | MP3 |
| Prep Solvent ID | 2517426 |
| Prep Solvent Volume Used | 120 mL |
| Silica Gel ID | 2477925 |
| Analyst ID - Spike Analyst | NRF |
| Sufficient Volume for Batch QC | MB, LCS, LCSD |
| Thermometer ID - Concentration 1 | 61013-040-1 |
| Thermometer ID - Concentration 2 | Digital Readout |
| Concentration 1 Uncorrected Temperature | 70-75 Degrees C |
| Concentration 2 Uncorrected Temperature | 20.0 Degrees C |
| Vial Lot Number | 19103141 |

| Basis | Basis Description |
|-------|-------------------|
| T | Total/NA |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Regulatory Program: DW NPDES RCRA Other

Project Manager: Nicole Monor Date: 11/4/19 COC No: 249859
 Tell Fax: 503-785-9414 Carrier: _____ of _____ COCs
 Analysis Turnaround Time: _____
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below: Standard
 2 weeks 1 week 2 days 1 day

Client Contact
 Company Name: Arcadis
 Address: 11 SW Columbia St Suite 670
 City/State/Zip: Portland OR 97201
 Phone: 503-220-8201
 Fax: _____
 Project Name: Charon 95414
 Site: 5210 Old Seward Hwy Anchorage AK
 PO #: 2010531

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | Lab Contact: | Site Contact: | Date: | Carrier: | COC No: | Sampler: | For Lab Use Only: | Sample Specific Notes: |
|-----------------------|-------------|-------------|------------------------------|--------|------------|-----------------------|----------------------|--------------|---------------|---------|----------|---------|----------|-------------------|------------------------|
| EQS-1-W-191104 | 11.4.19 | 0830 | G | W | 6 | X | X | BTEX 820 | David Beaudin | 11/4/19 | | 249859 | EW | | |
| MW-8-W-191104 | 11.4.19 | 1200 | G | W | 6 | X | X | GR0 AK 101 | | | | | | | |
| MW-10-W-191104 | 11.4.19 | 1400 | G | W | 139 | X | X | GR0 AK 101 | | | | | | | |
| RP-1-W-191104 | 11.4.19 | --- | G | W | 6 | X | X | GR0 AK 101 | | | | | | | |
| Tripp Blank | --- | --- | --- | W | 11 | X | X | BTEX 820 | | | | | | | |



Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other _____
 Possible Hazard Identification: _____
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: Type III Data Package
 Custody Seals Intact: Yes No
 Relinquished by: [Signature] Company: Arcadis Date/Time: _____
 Relinquished by: [Signature] Company: Arcadis Date/Time: 11/04/19 16:25
 Relinquished by: _____ Company: _____ Date/Time: _____

Regulatory Program: DW NPDES RCRA Other:

| | | | | | | | | | |
|---|--|--|--|-------------------------------------|--|----------------------|--|--------------------------|--|
| Client Contact | | Project Manager: Nicole Morris | | Site Contact: David Beaudoin | | Date: 11/4/19 | | COC No: 249859 | |
| Company Name: <u>Arcadis</u> | | Tel/Fax: <u>503-785-9414</u> | | Lab Contact: | | Carrier: | | 1 of 1 COCs | |
| Address: <u>111 SW Columbia St Suite 670</u> | | Analysis Turnaround Time | | | | | | Sampler: <u>EW</u> | |
| City/State/Zip: <u>Portland OR 97201</u> | | <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS | | | | | | For Lab Use Only: | |
| Phone: <u>503-220-8201</u> | | TAT if different from Below <u>Standard</u> | | | | | | | |
| Fax: _____ | | <input type="checkbox"/> 2 weeks | | | | | | | |
| Project Name: <u>Chevron 95414</u> | | <input type="checkbox"/> 1 week | | | | | | | |
| Site: <u>5210 Old Seward Hwy Anchorage AK</u> | | <input type="checkbox"/> 2 days | | | | | | | |
| PO# <u>2016531</u> | | <input type="checkbox"/> 1 day | | | | | | | |



| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) | Other | Sample Specific Notes |
|-----------------------|-------------|-------------|------------------------------|--------|------------|-----------------------|----------------------|-----------|-----------------------|
| EQB-1-W-191104 | 11.4.19 | 0830 | G | W | 6 | ~ | ~ | X X X | |
| MW-8-W-191104 | 11.4.19 | 1200 | G | W | 6 | ~ | ~ | X X X | |
| MW-10-W-191104 | 11.4.19 | 1400 | G | W | 139 | ~ | ~ | X X X X X | |
| BP-1-W-191104 | 11.4.19 | - | G | W | 6 | ~ | ~ | X X X | |
| Trip Blank | - | - | - | W | 11 | ~ | ~ | X X X X X | |

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Possible Hazard Identification:
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazardous Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:
Type III Data Package

| | | | |
|--|-------------------------|--|---|
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: <u>Arc-T:5.3°C</u> | Therm ID No.: |
| Relinquished by: <u>[Signature]</u> | Company: <u>Arcadis</u> | Date/Time: | Received by: |
| Relinquished by: <u>[Signature]</u> | Company: <u>Arcadis</u> | Date/Time: <u>11/04/19 16:00</u> | Received by: <u>[Signature]</u> |
| Relinquished by: <u>[Signature]</u> | Company: <u>TA-AK</u> | Date/Time: <u>11/9/19 16:00</u> | Received in Laboratory by: <u>B. Gall</u> |
| | | | Company: <u>TA-AK</u> |
| | | | Company: <u>SEA TA</u> |
| | | | Date/Time: <u>11.6.19 14:25</u> |

TESTAMERICA Anchorage
 2000 N. International Airport Road
 Suite A10
 Anchorage, AK 99502
 Phone: 907.563.9200 Fax: 907.563.9210

Chain of Custody Record

249859

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Laboratories, Inc.
 TAL-8210 (0713)

Regulatory Program: DW NPDES RCRA Other:

Client Contact
 Company Name: Aradis
 Address: 111 SW Columbia St Suite 670
 City/State/Zip: Portland OR 97201
 Phone: 503-220-8201
 Fax: 503-220-8201
 Project Name: Chewon 95419
 Site: 5210 Old Seward Hwy Anchorage AK
 PO #: 20165531

Project Manager: Nick Meyer
 Tel/Fax: 503-285-9414
 Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from below: Standard
 1 day
 2 days
 1 week
 2 weeks

Site Contact: David Beaudin
 Lab Contact:

Date: 11/4/19
 Carrier:

COC No: 249859
 Sampler: E4
 For Lab Use Only:



580-90546 Chain of Custody

Sample Specific Notes:

| Sample Identification | Sample Date | Sample Time | Sample Type (G-Comp, G-Grab) | Matrix | # of Cont. | Filtered Sample (Y/N) | Perform MS/MSD (Y/N) |
|-----------------------|-------------|-------------|------------------------------|--------|------------|-----------------------|----------------------|
| EQS-1-W-191104 | 11.4.19 | 0830 | G | W | 6 | X | X |
| MW-8-W-191104 | 11.4.19 | 1200 | G | W | 6 | X | X |
| MW-10-W-191104 | 11.4.19 | 1400 | G | W | 6 | X | X |
| BD-1-W-191104 | 11.4.19 | — | G | W | 6 | X | X |
| Trig Blank | — | — | — | W | 11 | X | X |

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HN03, 5=NaOH, 6=Other

Possible Hazard Identification:
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the comments section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:
 Non-Hazard Flammable Skin Irritant Poison B Unknown

TYPE III Data Package

Custody Seals Intact: Yes No
 Custody Seal No.:

Cooler Temp. (°C): Obs'd: A.C.T. 5.3°C

Therm ID No.:

Relinquished by: [Signature]
 Company: Aradis
 Date/Time: 11/5/19 16:00

Received by: [Signature]
 Company: Aradis
 Date/Time: 11/5/19 16:00

Received in Laboratory by: B. Gill
 Company: SEM TA
 Date/Time: 11/6/19 14:25

A1= 925 "

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 580-90546-1

Login Number: 90546
List Number: 1
Creator: Pilch, Andrew C

List Source: Eurofins TestAmerica, Seattle

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is <= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

APPENDIX D

ADEC Data Review Checklist



Laboratory Data Review Checklist

Completed By:

Suresh PR

Title:

Project Chemist

Date:

November 27, 2019

CS Report Name:

Fourth Quarter 2019 Groundwater Monitoring Report

Report Date:

November 18, 2019

Consultant Firm:

ARCADIS U.S., Inc

Laboratory Name:

Eurofins TestAmerica Laboratory, Seattle, WA

Laboratory Report Number:

580-90546-1

ADEC File Number:

2100.26.062

Hazard Identification Number:

24602

1. Laboratory

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

Yes No

Comments:

Yes.

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

Yes No

Comments:

No.

2. Chain of Custody (CoC)

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

Yes No

Comments:

Yes.

b. Correct Analyses requested?

Yes No

Comments:

Yes.

3. Laboratory Sample Receipt Documentation

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

Yes No

Comments:

Yes.

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

Yes No

Comments:

Yes.

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

Yes No

Comments:

Yes.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?

Yes No

Comments:

Yes.

e. Data quality or usability affected?

Yes No

Comments:

Data quality/usability was not affected.

4. Case Narrative

a. Present and understandable?

Yes No

Comments:

Yes.

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

Yes No

Comments:

Yes.

c. Were all corrective actions documented?

Yes No

Comments:

Yes.

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

Yes No

Comments:

Data quality/usability was not affected.

5. Samples Results

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

Yes No

Comments:

Yes.

b. All applicable holding times met?

Yes No

Comments:

Yes.

c. All soils reported on a dry weight basis?

Yes No

Comments:

No soil samples were submitted for analysis.

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

Yes No

Comments:

Yes.

e. Data quality or usability affected?

Yes No

Comments:

Data quality/usability was not affected.

6. QC Samples

a. Method Blank

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

Yes No

Comments:

Yes.

ii. All method blank results less than Method Detection Limit (MDL)?

Yes No

Comments:

The compounds hexachlorobutadiene (0.089 J ug/L) and naphthalene (0.222 J ug/L) were detected below the reporting limit in preparation blank batch 316581 for method SW846 8260C-SIM. A blank action level was established at five times of the detected blank concentration. The compounds hexachlorobutadiene and naphthalene were not detected in any of the associated samples; therefore, qualification of the data was not required.

iii. If above MDL, what samples are affected?

Yes No

Comments:

None of the data affected.

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

Yes No

Comments:

No.

v. Data quality or usability affected?

Yes No

Comments:

Data quality/usability was not affected.

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:

Yes.

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

Yes No

Comments:

Metals/Inorganic analysis was not requested for submitted samples.

- 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:

Yes.

- 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:

Yes.

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

Yes No

Comments:

No.

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

Yes No

Comments:

No.

- vii. Data quality or usability affected?

Yes No

Comments:

Data quality/ usability was not affected.

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

- i. Organics – One MS/MSD reported per matrix, analysis and 20 samples?

Yes No

Comments:

The MS/MSD analysis was not requested on project specific sample in this data package.

- ii. 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:

Not applicable.

iii. 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:

Not applicable.

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

Yes No Comments:

Not applicable.

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

Yes No Comments:

Not applicable.

vi. Data quality or usability affected? (use comment box to explain)

Yes No Comments:

Data quality/usability was not affected.

d. Surrogates – Organics Only

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

Yes No Comments:

Yes.

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:

Surrogate trifluorotoluene was greater than the laboratory control limit in sample MW-10-W-191104 for method SW846 8260C-SIM. Compounds chloroform and tetrachloroethene were detected in sample MW-10-W-191104 and qualified as estimated (J).

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

Yes No Comments:

Yes.

iv. Data quality or usability affected? (use comment box to explain)

Yes No

Comments:

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

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

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples?

(If not, enter explanation below.)

Yes No

Comments:

Yes.

ii. All result less than MDL?

Yes No

Comments:

Yes.

iii. If above MDL, what samples are affected?

Yes No

Comments:

None of the data affected.

iv. Data quality or usability affected?

Yes No

Comments:

Data quality/usability was not affected.

f. Field Duplicate

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

Yes No

Comments:

Yes.

ii. Submitted blind to lab?

Yes No

Comments:

BD-1-W-191104 was collected from MW-8-W-191104.

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:

The RPDs between parent and duplicate samples were acceptable.

iv. Data quality or usability affected?

Yes No

Comments:

Data quality/usability was not affected.

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

Yes No

Equipment blank sample was collected as EQB-1-W-191104.

i. If above MDL, what samples are affected?

Yes No

Comments:

None of the data affected.

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

a. Defined and appropriate?

Yes No

Comments:

Yes.

**Chevron Environmental
Management Company**

Appendix A:

Site History and Background

Chevron Facility 95414
5210 Old Seward Highway
Anchorage, Alaska
ADEC File No: 2100.26.062
HAZARD ID No: 24602

December 12, 2019