



Adriane Gifford
Project Manager

Upstream EM
Environmental Management Company
1500 Louisiana Street
Room 38108
Houston, Texas 77002
Tel 832-854-5620
agifford@chevron.com

October 6, 2020

Mr. Steven Arauza
Environmental Protection Specialist, Northwest Area
Colorado Oil and Gas Conservation Commission
818 Taughenbaugh Blvd, Suite 103
Rifle, Colorado 81650

**Re: Second Quarter 2020 Semi-Annual Report
Wilson Creek Unit Onsite Landfarm
12 miles north of Meeker, Rio Blanco County, Colorado
Centralized E&P Waste Management Facility ID: 149002**

Dear Mr. Arauza:

Chevron Environmental Management Company (CEMC) submits to the Colorado Oil and Gas Conservation Commission (COGCC) the enclosed Second Quarter 2020 Semi-Annual Report that was prepared by Stantec Consulting Services Inc. (Stantec) for the Wilson Creek Unit Onsite Landfarm in Rio Blanco County, Colorado. Soil and groundwater samples were collected in June 2020 from Cell 2, the unlined portion of the landfarm, and analytical results are summarized in this report.

Subsequent to the semi-annual sampling event, Chevron initiated decommissioning and remediation activities at Cell 2 in July 2020. A summary report documenting the Cell 2 remediation activities will be submitted in a separate report along with a closure request.

Should you have any questions regarding this submittal, please contact me at (832) 854-5620 or Brent Lucyk of Stantec at (517) 749-9405.

Respectfully,
Chevron Environmental Management Company
on behalf of Chevron U.S.A. Inc.

A handwritten signature in blue ink, appearing to read "Adriane Gifford".

Adriane Gifford
Project Manager

Encl.



Stantec Consulting Services Inc.
2000 South Colorado Blvd. Suite 2-300, Denver CO 80222

October 6, 2020
File: 203721946

Attention: Mr. Steven J. Arauza P.G., Environmental Protection Specialist
Colorado Oil and Gas Conservation Commission
Department of Natural Resources
818 Taughenbaugh Blvd, Suite 103
Rifle, Colorado 81650

**Reference: Chevron Wilson Creek Onsite Landfarm, Second Quarter 2020 Semi-Annual Report,
Wilson Creek Unit, Rio Blanco County, Colorado**

Dear Mr. Arauza,

Stantec Consulting Services Inc. (Stantec), on behalf of Chevron Environmental Management Company (CEMC), is submitting to the Colorado Oil and Gas Conservation Commission (COGCC) this Second Quarter 2020 (2Q2020) Semi-Annual Report for the Onsite Landfarm at the Wilson Creek Unit located at 7265 Rio Blanco County Road #9 in Meeker, Rio Blanco County, Colorado (the Site).

Background

Chevron North America Exploration and Production Company (Chevron) formerly operated the Onsite Landfarm to treat Exploration and Production (E&P) Wastes generated from operations at the Site. The Landfarm is permitted for operation by the COGCC (Facility ID 149002) as a Centralized E&P Waste Management Facility under COGCC Rule 908. The Landfarm is approximately 0.8 acres in size and is segregated into two cells: Cell 1, the formerly lined portion, is 0.2 acres in size and Cell 2, the unlined portion, is 0.6 acres in size (**Figure 1**). Material, including the liner, was removed from Cell 1 during 2019, and Cell 2 during July and August 2020, with the intent on closing the Centralized E&P Waste Management Facility. Remediation/decommissioning activities completed at Cell 1 were documented in the *Remediation Documentation Report – Onsite Landfarm Cell 1 (COGCC eForm 27 Document 402262833)*, dated December 13, 2019. Remediation/decommissioning activities completed at Cell 2 will be documented in a forthcoming remediation documentation and closure request report.

Soil Sampling

Two composite soil samples were collected from Cell 2 of the Onsite Landfarm during June 2020. To collect the composite soil samples, three randomly selected sample locations were identified in Cell 2. These locations are presented on **Figure 1** and include sample locations LF-SS-01, LF-SS-02, and LF-SS-03. An approximate 6-inch composite sample comprised of soil from each of the three locations was collected and is representative of the contents of the 6-inch interval. In addition, an approximate 30 to 40-inch composite sample comprised of soil from each of the three locations was collected from Cell 2 and is representative of the contents of the 40-inch interval.



October 6, 2020
Mr. Steven J. Arauza P.G., Environmental Protection Specialist
Page 2 of 3

Reference: Chevron Wilson Creek Onsite Landfarm, Second Quarter 2020 Semi-Annual Report, Wilson Creek Unit, Rio Blanco County, Colorado

Laboratory analytical results for the composite soil sampling were compared to the COGCC Table 910-1 Concentration Levels (Concentration Levels) and the following exceedances were observed:

- The total petroleum hydrocarbon (TPH) concentration detected in the 6-inch composite sample from Cell 2 (LF-SS-UNLINED-6") exceeded the Concentration Level.
- The benzene concentration detected in the 40-inch composite sample from Cell 2 (LF-SS-UNLINED-40") exceeded the Concentration Level.
- The pH level in the 6-inch composite sample from Cell 2 (LF-SS-UNLINED-6") exceeded the Concentration Level.

Analytical results for the composite soil samples collected in June 2020 are presented in **Table 1**. Laboratory analytical reports are provided in **Appendix A**.

Groundwater Sampling

Groundwater samples were collected at the Onsite Landfarm from three monitoring wells (MW-48R, MW-49 and MW-50) (**Figure 1**) during June 2020. Based on historical data, groundwater flow direction is to the west. Of the three monitoring wells, MW-48R is considered the most up-gradient to the Landfarm.

Laboratory analytical results were compared to the Concentration Levels. Groundwater samples from MW-48R, MW-49, and MW-50 were non-detect or below Concentration Levels. Analytical results for the groundwater samples collected in June 2020 are presented in **Table 2**. Laboratory analytical reports are provided in **Appendix A**.

Closing Summary

Cell 1

Remediation/decommissioning completed at Cell 1 was documented in the *Remediation Documentation Report – Onsite Landfarm Cell 1 (COGCC eForm 27 Document 402262833)*, dated December 13, 2019.

Cell 2

Per the COGCC-approved *Onsite Landfarm – Cell 2 Removal and Landfarm Closure Workplan (COGCC eForm 27 Document 402412921)*, dated July 1, 2020, remediation/decommissioning of Cell 2 was completed during July and August 2020. Approximately 7,500 cubic yards of impacted soils were hauled from Cell 2 and disposed of at the Wray Gulch Landfill near Meeker, Colorado. Confirmation samples were collected and analyzed for all COGCC Table 910-1 Constituents of Concern. Following confirmation sampling, import soils were placed within the former Cell 2 location. The three (3) monitoring wells (MW-48R, MW-49, and MW-50) surrounding the Landfarm will be properly abandoned per the approved



October 6, 2020
Mr. Steven J. Arauza P.G., Environmental Protection Specialist
Page 3 of 3

Reference: Chevron Wilson Creek Onsite Landfarm, Second Quarter 2020 Semi-Annual Report, Wilson Creek Unit, Rio Blanco County, Colorado

workplan and State of Colorado rules and regulations. As stated above, a remediation documentation and closure request report will be submitted separately from this Semi-Annual Report.

Should you have any questions, please contact Adriane Gifford with CEMC at 832-854-5620 (agifford@chevron.com) or Brent Lucyk at (517) 749-9405 (brent.lucyk@stantec.com).

Regards,

Stantec Consulting Services Inc.

Christopher Beall, PG
Associate Geologist
Phone: (303) 285-4541
Christopher.Beall@stantec.com

Erin O'Malley
Environmental Engineer
Phone: (517) 515-8455
Erin.Omalley@stantec.com

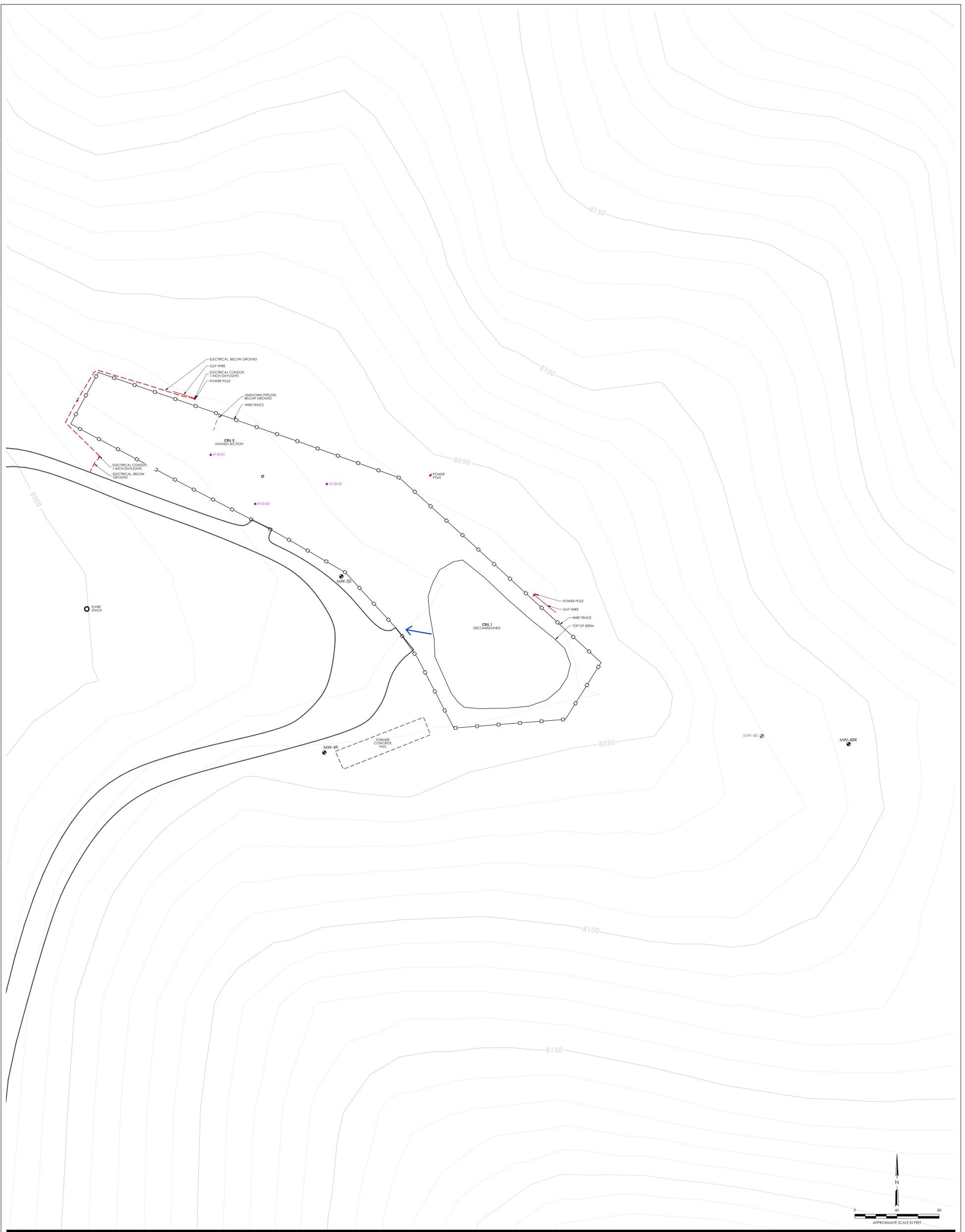
Brent Lucyk
Senior Geologist
Phone: (517) 749-9405
Brent.Lucyk@stantec.com

Attachments:

- Figure 1 – Onsite Landfarm - Soil and Groundwater Sample Location Map - June 2020
- Table 1 – Soil Sample Laboratory Analytical Results: June 2020
- Table 2 – Groundwater Sample Laboratory Analytical Results: June 2020
- Appendix A – Laboratory Analytical Reports

- c. Project File
 - Adriane Gifford, CEMC
 - Chris Patterson, Chevron

Figures



Notes
 1. Coordinate System: NAD 1983 State Plane Colorado North FIPS 5001 Feet.
 2. Base features produced by Chevron, US Census Bureau, and USGS
 3. This figure was created using a Digit Globe Satellite Image, 2017 and Google Earth Images, 2014.
 The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
 The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

- Legend**
- GROUND SURFACE CONTOURS (10' INTERVAL; ABOVE MEAN SEA LEVEL)
 - FENCE LINE
 - TOP OF BERM
 - — — ELECTRICAL LINE (BELOW GRADE)
 - — — UNKNOWN PIPELINE LINE (BELOW GRADE)
 - ABANDONED MONITORING WELL
 - MONITORING WELL
 - SOIL SAMPLE LOCATION
 - ← APPROXIMATE HISTORICAL GROUNDWATER FLOW DIRECTION BASED ON OCTOBER 2012 MEASUREMENTS



Project Location:
 7265 Rio Blanco County Road 6
 Meeker, CO

Prepared by JRO on 2020-06-01
 Technical Review by CB on 2020-06-01
 Independent Reviewed by BL on 2020-06-01
 203721946

Client/Project
 Chevron Environmental Management Company
 Wilson Creek Site

Figure No.
1

Title
**Onsite Landfarm -
 Soil and Groundwater Sample
 Location Map - June 2020**

Tables

Table 1
Soil Sample Laboratory Analytical Results: June 2020
Onsite Landfarm
Wilson Creek Unit, Rio Blanco County, Colorado

| SAMPLE SUMMARY | | | | |
|--|-----------------------|-------------------|----------------------------------|----------|
| Location Description | Wilson Creek Landfarm | | | |
| Sample Type | Soil | | | |
| LABORATORY DATA SUMMARY | | | | |
| Sample ID | LF-SS-UNLINED-6" | LF-SS-UNLINED-40" | COGCC CONCENTRATION LEVELS | UNITS |
| Cell | Cell 2 | Cell 2 | | |
| Depth | 6" | 40" | | |
| Sample Date | 6/17/2020 | 6/17/2020 | | |
| Analytical Parameters | | | | |
| TPH | | | | |
| TPH GRO (C6-C10) | 151 | 4.38 | -- | mg/kg |
| TPH DRO (C10-C28) | 6,400 | 375 | -- | mg/kg |
| Total TPH (C6-C28) | 6,551 | 379 | 500 | mg/kg |
| BTEX | | | | |
| Benzene | 0.118 | 0.412 | 0.17 | mg/kg |
| Toluene | <0.119 | <0.00626 | 85 | mg/kg |
| Ethylbenzene | 1.38 | 0.0731 | 100 | mg/kg |
| Total Xylene | 5.50 | 0.296 | 175 | mg/kg |
| Metals | | | | |
| Arsenic | 6.85 | 6.16 | 0.39* | mg/kg |
| Barium | 155 | 216 | 15,000 | mg/kg |
| Boron ¹ | <24.8 | <23.9 | -- | mg/kg |
| Cadmium | <0.495 | 0.525 | 70 | mg/kg |
| Chromium | 40.2 | 25.1 | NA | mg/kg |
| Chromium, Hexavalent | <2.36 | <2.51 | 23 | mg/kg |
| Chromium, Trivalent | 40.2 | 25.1 | 120,000 | mg/kg |
| Copper | 340 | 32.4 | 3,100 | mg/kg |
| Lead | 19.4 | 14.4 | 400 | mg/kg |
| Mercury | 0.171 | <0.0462 | 23 | mg/kg |
| Nickel | <19.8 | <19.1 | 1,600 | mg/kg |
| Selenium | <1.98 | <1.91 | 390 | mg/kg |
| Silver | <0.297 | <0.287 | 390 | mg/kg |
| Zinc | 78.7 | 72.5 | 23,000 | mg/kg |
| Polynuclear Aromatic Hydrocarbons | | | | |
| Acenaphthene | 0.349 | 0.0115 | 1,000 | mg/kg |
| Anthracene | 0.264 | <0.00835 | 1,000 | mg/kg |
| Benzo(a)anthracene | <0.160 | <0.0167 | 0.22 | mg/kg |
| Benzo(a)pyrene | <0.0799 | <0.00835 | 0.022 | mg/kg |
| Benzo(b)fluoranthene | 0.0811 | 0.0149 | 0.22 | mg/kg |
| Benzo(k)fluoranthene | <0.0799 | 0.0146 | 2.2 | mg/kg |
| Chrysene | 0.704 | 0.0283 | 22 | mg/kg |
| Dibenzo(a,h)anthracene | <0.0799 | <0.00835 | 0.022 | mg/kg |
| Fluoranthene | 0.19 | 0.0119 | 1,000 | mg/kg |
| Fluorene | 0.815 | 0.0281 | 1,000 | mg/kg |
| Indeno(1,2,3-cd)pyrene | <0.0799 | <0.00835 | 0.22 | mg/kg |
| Naphthalene | 2.79 | 0.0687 | 23 | mg/kg |
| Pyrene | 0.121 | <0.00835 | 1,000 | mg/kg |
| General Chemistry | | | | |
| Sodium Adsorption Ratio | 0.591 & | 1.40 & | <12 | ratio |
| Electrical Conductivity | 3.1 & | 0.982 & | <4 or 2 x the background | mmhos/cm |
| pH | 4.95 H | 6.78 H | 6-9 | su |
| Nitrogen, Nitrate | -- | -- | NA | mg/kg |
| Total Phosphorus | -- | -- | NA | mg/kg |

Notes:

Concentrations shaded gray and BOLD are above the Colorado Oil and Gas Conservation Commission (COGCC) Series 900 Concentration Levels

Concentrations in BOLD-only are Non-detect with a detection limit above the Concentration Levels.

Concentration Levels: COGCC Concentration Levels per Series 900 Rules (January 14, 2020) Table 910-1

1. Total boron, not hot water soluble boron reported.

" - inches

TPH DRO - total petroleum hydrocarbons as diesel range organics

TPH GRO - total petroleum hydrocarbons as gasoline range organics

C - carbon range

BTEX - benzene, toluene, ethylbenzene and xylene

mg/kg - milligrams per kilogram

D - Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples

J - Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL)

and the concentration is an approximate value

F1: Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) Recovery is outside acceptance limits.

F2: MS/MSD Relative Percent Difference (RPD) exceeds control limits

X: Surrogate is outside control limits

B - Compound was found in the blank and sample

H - Sample was prepped or analyzed beyond the specified holding time

HF - Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request

& - Analysis is performed on a 1:1 DI water extract for soils

* - Background concentration of 11.7 mg/kg used (approved by the COGCC on July 30, 2020)

< - less than

mmhos/cm - millimhos per centimeter

mv - millivolts

pH - potential of hydrogen

su - standard units

NA - not applicable

-- - not available

Table 2
Groundwater Sample Laboratory Analytical Results: June 2020
Onsite Landfarm
Wilson Creek Unit, Rio Blanco County, Colorado

| Sample Summary | |
|-----------------------------|-----------------------|
| Location Description | Wilson Creek Landfarm |
| Sample Type | Groundwater |
| Sample Date | 6/15/2020 |

| Laboratory Data Summary | | | | | |
|---|---------------|--------------|--------------|---|--------------|
| Sample ID | MW-48R-061520 | MW-49-061520 | MW-50-061520 | COGCC Concentration Levels | Units |
| Type | Upgradient | Downgradient | Downgradient | | |
| Analytical Parameters | | | | | |
| Organic Compounds in Groundwater | | | | | |
| Benzene | <1.0 | <1.0 | <1.0 | 5 | µg/l |
| Ethylbenzene | <1.0 | <1.0 | <1.0 | 700 | µg/l |
| Toluene | <1.0 | <1.0 | <1.0 | 560 | µg/l |
| Total Xylenes | <2.0 | <2.0 | <2.0 | 1,400 | µg/l |
| Inorganic Compounds in Groundwater | | | | | |
| Chloride | 13 | 6.9 | 25 | 35 ¹ | mg/l |
| Sulfate | 370 | 320 | 1,400 | 2,350 ¹ | mg/l |
| Total Dissolved Solids | 1,000 | 810 | 2,400 | 3,250 ¹ | mg/l |

Notes:

Concentrations shaded gray and BOLD are above the Colorado Oil and Gas Conservation Commission (COGCC) Series 900 Concentration Levels

Concentrations in BOLD-only are Non-detect with a detection limit above the Concentration Levels.

Concentration Levels: COGCC Concentration Levels per Series 900 Rules (January 14, 2020) Table 910-1.

1. COGCC Concentration Level = 1.25 x background. MW-48 sample collected on June 8, 2017 used as background.

< - less than

µg/l - micrograms per liter

mg/L - milligrams per liter

Appendix A

ANALYTICAL REPORT

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

Laboratory Job ID: 280-137693-1
Client Project/Site: Chevron Wilson Creek, CO

For:
Stantec Consulting Corp.
2000 South Colorado Blvd
Suite 2-300
Denver, Colorado 80222

Attn: Christopher Beall



Authorized for release by:
6/27/2020 6:28:55 AM

Patrick McEntee, Client Service Manager
(303)736-0107
patrick.mcentee@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Definitions | 3 |
| Case Narrative | 4 |
| Detection Summary | 5 |
| Method Summary | 6 |
| Sample Summary | 7 |
| Client Sample Results | 8 |
| Surrogate Summary | 10 |
| QC Sample Results | 11 |
| QC Association | 14 |
| Chronicle | 15 |
| Certification Summary | 16 |
| Chain of Custody | 17 |
| Receipt Checklists | 19 |

Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

Qualifiers

General Chemistry

| 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. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| 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) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

Job ID: 280-137693-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE

Client: Stantec Consulting Corp.

Project: Chevron Wilson Creek, CO

Report Number: 280-137693-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

The samples were received on 6/16/2020 9:15 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.1° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-48R-061520 (280-137693-1), MW-49-061520 (280-137693-2), MW-50-061520 (280-137693-3) and TB-01-061520 (280-137693-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/23/2020.

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

TOTAL DISSOLVED SOLIDS

Samples MW-48R-061520 (280-137693-1), MW-49-061520 (280-137693-2) and MW-50-061520 (280-137693-3) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 06/17/2020.

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

ANIONS (28 DAYS)

Samples MW-48R-061520 (280-137693-1), MW-49-061520 (280-137693-2) and MW-50-061520 (280-137693-3) were analyzed for anions (28 days) in accordance with EPA Method 300.0. The samples were analyzed on 06/23/2020 and 06/24/2020.

Samples MW-48R-061520 (280-137693-1)[5X], MW-49-061520 (280-137693-2)[5X] and MW-50-061520 (280-137693-3)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

Client Sample ID: MW-48R-061520

Lab Sample ID: 280-137693-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-----|-----|------|---------|---|----------|-----------|
| Chloride | 13 | | 3.0 | 1.0 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 370 | | 25 | 5.2 | mg/L | 5 | | 300.0 | Total/NA |
| Total Dissolved Solids (TDS) | 1000 | | 20 | 9.4 | mg/L | 1 | | SM 2540C | Total/NA |

Client Sample ID: MW-49-061520

Lab Sample ID: 280-137693-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-----|-----|------|---------|---|----------|-----------|
| Chloride | 6.9 | | 3.0 | 1.0 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 320 | | 25 | 5.2 | mg/L | 5 | | 300.0 | Total/NA |
| Total Dissolved Solids (TDS) | 810 | | 10 | 4.7 | mg/L | 1 | | SM 2540C | Total/NA |

Client Sample ID: MW-50-061520

Lab Sample ID: 280-137693-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|-----|-----|------|---------|---|----------|-----------|
| Chloride | 25 | | 3.0 | 1.0 | mg/L | 1 | | 300.0 | Total/NA |
| Sulfate | 1400 | | 50 | 10 | mg/L | 10 | | 300.0 | Total/NA |
| Total Dissolved Solids (TDS) | 2400 | | 20 | 9.4 | mg/L | 1 | | SM 2540C | Total/NA |

Client Sample ID: TB-01-061520

Lab Sample ID: 280-137693-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

| Method | Method Description | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL DEN |
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL DEN |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | TAL DEN |
| 5030B | Purge and Trap | SW846 | TAL DEN |

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 280-137693-1 | MW-48R-061520 | Water | 06/15/20 11:30 | 06/16/20 09:15 | |
| 280-137693-2 | MW-49-061520 | Water | 06/15/20 13:00 | 06/16/20 09:15 | |
| 280-137693-3 | MW-50-061520 | Water | 06/15/20 14:00 | 06/16/20 09:15 | |
| 280-137693-4 | TB-01-061520 | Water | 06/15/20 11:30 | 06/16/20 09:15 | |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

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

Client Sample ID: MW-48R-061520

Date Collected: 06/15/20 11:30

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-1

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 13:20 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 13:20 | 1 |
| Toluene | ND | | 1.0 | 0.17 | ug/L | | | 06/23/20 13:20 | 1 |
| m-Xylene & p-Xylene | ND | | 2.0 | 0.15 | ug/L | | | 06/23/20 13:20 | 1 |
| o-Xylene | ND | | 1.0 | 0.19 | ug/L | | | 06/23/20 13:20 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.19 | ug/L | | | 06/23/20 13:20 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 70 - 127 | | 06/23/20 13:20 | 1 |
| Toluene-d8 (Surr) | 99 | | 80 - 125 | | 06/23/20 13:20 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 78 - 120 | | 06/23/20 13:20 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 77 - 120 | | 06/23/20 13:20 | 1 |

Client Sample ID: MW-49-061520

Date Collected: 06/15/20 13:00

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-2

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 14:22 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 14:22 | 1 |
| Toluene | ND | | 1.0 | 0.17 | ug/L | | | 06/23/20 14:22 | 1 |
| m-Xylene & p-Xylene | ND | | 2.0 | 0.15 | ug/L | | | 06/23/20 14:22 | 1 |
| o-Xylene | ND | | 1.0 | 0.19 | ug/L | | | 06/23/20 14:22 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.19 | ug/L | | | 06/23/20 14:22 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 70 - 127 | | 06/23/20 14:22 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 125 | | 06/23/20 14:22 | 1 |
| 4-Bromofluorobenzene (Surr) | 108 | | 78 - 120 | | 06/23/20 14:22 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 77 - 120 | | 06/23/20 14:22 | 1 |

Client Sample ID: MW-50-061520

Date Collected: 06/15/20 14:00

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-3

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 14:43 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 14:43 | 1 |
| Toluene | ND | | 1.0 | 0.17 | ug/L | | | 06/23/20 14:43 | 1 |
| m-Xylene & p-Xylene | ND | | 2.0 | 0.15 | ug/L | | | 06/23/20 14:43 | 1 |
| o-Xylene | ND | | 1.0 | 0.19 | ug/L | | | 06/23/20 14:43 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.19 | ug/L | | | 06/23/20 14:43 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 70 - 127 | | 06/23/20 14:43 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 125 | | 06/23/20 14:43 | 1 |
| 4-Bromofluorobenzene (Surr) | 110 | | 78 - 120 | | 06/23/20 14:43 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 77 - 120 | | 06/23/20 14:43 | 1 |

Eurofins TestAmerica, Denver

Client Sample Results

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

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

Client Sample ID: TB-01-061520

Date Collected: 06/15/20 11:30

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-4

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 15:04 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 15:04 | 1 |
| Toluene | ND | | 1.0 | 0.17 | ug/L | | | 06/23/20 15:04 | 1 |
| m-Xylene & p-Xylene | ND | | 2.0 | 0.15 | ug/L | | | 06/23/20 15:04 | 1 |
| o-Xylene | ND | | 1.0 | 0.19 | ug/L | | | 06/23/20 15:04 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.19 | ug/L | | | 06/23/20 15:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 70 - 127 | | 06/23/20 15:04 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 125 | | 06/23/20 15:04 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 78 - 120 | | 06/23/20 15:04 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 77 - 120 | | 06/23/20 15:04 | 1 |

General Chemistry

Client Sample ID: MW-48R-061520

Date Collected: 06/15/20 11:30

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-1

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Chloride | 13 | | 3.0 | 1.0 | mg/L | | | 06/23/20 18:56 | 1 |
| Sulfate | 370 | | 25 | 5.2 | mg/L | | | 06/24/20 20:29 | 5 |
| Total Dissolved Solids (TDS) | 1000 | | 20 | 9.4 | mg/L | | | 06/17/20 15:14 | 1 |

Client Sample ID: MW-49-061520

Date Collected: 06/15/20 13:00

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-2

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Chloride | 6.9 | | 3.0 | 1.0 | mg/L | | | 06/23/20 19:12 | 1 |
| Sulfate | 320 | | 25 | 5.2 | mg/L | | | 06/24/20 20:45 | 5 |
| Total Dissolved Solids (TDS) | 810 | | 10 | 4.7 | mg/L | | | 06/17/20 15:14 | 1 |

Client Sample ID: MW-50-061520

Date Collected: 06/15/20 14:00

Date Received: 06/16/20 09:15

Lab Sample ID: 280-137693-3

Matrix: Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Chloride | 25 | | 3.0 | 1.0 | mg/L | | | 06/23/20 19:29 | 1 |
| Sulfate | 1400 | | 50 | 10 | mg/L | | | 06/24/20 21:02 | 10 |
| Total Dissolved Solids (TDS) | 2400 | | 20 | 9.4 | mg/L | | | 06/17/20 15:14 | 1 |

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCA | TOL | BFB | DBFM |
|-------------------|------------------------|----------|----------|----------|----------|
| | | (70-127) | (80-125) | (78-120) | (77-120) |
| 280-137693-1 | MW-48R-061520 | 98 | 99 | 109 | 95 |
| 280-137693-2 | MW-49-061520 | 103 | 98 | 108 | 95 |
| 280-137693-3 | MW-50-061520 | 101 | 98 | 110 | 95 |
| 280-137693-4 | TB-01-061520 | 101 | 98 | 109 | 95 |
| LCS 280-499743/4 | Lab Control Sample | 103 | 96 | 108 | 97 |
| LCSD 280-499743/5 | Lab Control Sample Dup | 102 | 97 | 109 | 97 |
| MB 280-499743/8 | Method Blank | 100 | 98 | 110 | 96 |

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

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

Lab Sample ID: MB 280-499743/8
Matrix: Water
Analysis Batch: 499743

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Benzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 10:53 | 1 |
| Ethylbenzene | ND | | 1.0 | 0.16 | ug/L | | | 06/23/20 10:53 | 1 |
| Toluene | ND | | 1.0 | 0.17 | ug/L | | | 06/23/20 10:53 | 1 |
| m-Xylene & p-Xylene | ND | | 2.0 | 0.15 | ug/L | | | 06/23/20 10:53 | 1 |
| o-Xylene | ND | | 1.0 | 0.19 | ug/L | | | 06/23/20 10:53 | 1 |
| Xylenes, Total | ND | | 2.0 | 0.19 | ug/L | | | 06/23/20 10:53 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 70 - 127 | | 06/23/20 10:53 | 1 |
| Toluene-d8 (Surr) | 98 | | 80 - 125 | | 06/23/20 10:53 | 1 |
| 4-Bromofluorobenzene (Surr) | 110 | | 78 - 120 | | 06/23/20 10:53 | 1 |
| Dibromofluoromethane (Surr) | 96 | | 77 - 120 | | 06/23/20 10:53 | 1 |

Lab Sample ID: LCS 280-499743/4
Matrix: Water
Analysis Batch: 499743

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzene | 25.0 | 21.3 | | ug/L | | 85 | 65 - 135 |
| Ethylbenzene | 25.0 | 22.2 | | ug/L | | 89 | 65 - 135 |
| Toluene | 25.0 | 22.6 | | ug/L | | 90 | 65 - 135 |
| m-Xylene & p-Xylene | 25.0 | 21.2 | | ug/L | | 85 | 65 - 135 |
| o-Xylene | 25.0 | 22.7 | | ug/L | | 91 | 65 - 135 |
| Xylenes, Total | 50.0 | 43.9 | | ug/L | | 88 | 65 - 135 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 70 - 127 |
| Toluene-d8 (Surr) | 96 | | 80 - 125 |
| 4-Bromofluorobenzene (Surr) | 108 | | 78 - 120 |
| Dibromofluoromethane (Surr) | 97 | | 77 - 120 |

Lab Sample ID: LCSD 280-499743/5
Matrix: Water
Analysis Batch: 499743

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 |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Benzene | 25.0 | 21.6 | | ug/L | | 86 | 65 - 135 | 1 | 20 |
| Ethylbenzene | 25.0 | 22.4 | | ug/L | | 90 | 65 - 135 | 1 | 20 |
| Toluene | 25.0 | 22.4 | | ug/L | | 90 | 65 - 135 | 1 | 20 |
| m-Xylene & p-Xylene | 25.0 | 21.9 | | ug/L | | 88 | 65 - 135 | 3 | 20 |
| o-Xylene | 25.0 | 23.1 | | ug/L | | 92 | 65 - 135 | 2 | 20 |
| Xylenes, Total | 50.0 | 45.0 | | ug/L | | 90 | 65 - 135 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 70 - 127 |
| Toluene-d8 (Surr) | 97 | | 80 - 125 |
| 4-Bromofluorobenzene (Surr) | 109 | | 78 - 120 |

Eurofins TestAmerica, Denver

QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

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

Lab Sample ID: LCSD 280-499743/5
Matrix: Water
Analysis Batch: 499743

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

| Surrogate | LCS D %Recovery | LCS D Qualifier | Limits |
|-----------------------------|-----------------|-----------------|----------|
| Dibromofluoromethane (Surr) | 97 | | 77 - 120 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 280-499763/6
Matrix: Water
Analysis Batch: 499763

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Chloride | ND | | 3.0 | 1.0 | mg/L | | | 06/23/20 10:57 | 1 |

Lab Sample ID: LCS 280-499763/4
Matrix: Water
Analysis Batch: 499763

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 100 | 95.5 | | mg/L | | 96 | 90 - 110 |

Lab Sample ID: LCSD 280-499763/5
Matrix: Water
Analysis Batch: 499763

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 |
|----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chloride | 100 | 95.7 | | mg/L | | 96 | 90 - 110 | 0 | 10 |

Lab Sample ID: MRL 280-499763/3
Matrix: Water
Analysis Batch: 499763

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| Chloride | 5.00 | 5.01 | | mg/L | | 100 | 50 - 150 |

Lab Sample ID: MB 280-499923/6
Matrix: Water
Analysis Batch: 499923

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | ND | | 5.0 | 1.0 | mg/L | | | 06/24/20 10:54 | 1 |

Lab Sample ID: LCS 280-499923/4
Matrix: Water
Analysis Batch: 499923

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Sulfate | 100 | 96.1 | | mg/L | | 96 | 90 - 110 |

QC Sample Results

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 280-499923/5
Matrix: Water
Analysis Batch: 499923

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 |
|---------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Sulfate | 100 | 96.1 | | mg/L | | 96 | 90 - 110 | 0 | 10 |

Lab Sample ID: MRL 280-499923/3
Matrix: Water
Analysis Batch: 499923

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 5.00 | 4.89 | J | mg/L | | 98 | 50 - 150 | | |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 280-499148/1
Matrix: Water
Analysis Batch: 499148

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids (TDS) | ND | | 10 | 4.7 | mg/L | | | 06/17/20 15:14 | 1 |

Lab Sample ID: LCS 280-499148/2
Matrix: Water
Analysis Batch: 499148

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 |
|------------------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Total Dissolved Solids (TDS) | 500 | 509 | | mg/L | | 102 | 93 - 110 | | |

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

GC/MS VOA

Analysis Batch: 499743

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 280-137693-1 | MW-48R-061520 | Total/NA | Water | 8260B | |
| 280-137693-2 | MW-49-061520 | Total/NA | Water | 8260B | |
| 280-137693-3 | MW-50-061520 | Total/NA | Water | 8260B | |
| 280-137693-4 | TB-01-061520 | Total/NA | Water | 8260B | |
| MB 280-499743/8 | Method Blank | Total/NA | Water | 8260B | |
| LCS 280-499743/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| LCSD 280-499743/5 | Lab Control Sample Dup | Total/NA | Water | 8260B | |

General Chemistry

Analysis Batch: 499148

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 280-137693-1 | MW-48R-061520 | Total/NA | Water | SM 2540C | |
| 280-137693-2 | MW-49-061520 | Total/NA | Water | SM 2540C | |
| 280-137693-3 | MW-50-061520 | Total/NA | Water | SM 2540C | |
| MB 280-499148/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 280-499148/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

Analysis Batch: 499763

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 280-137693-1 | MW-48R-061520 | Total/NA | Water | 300.0 | |
| 280-137693-2 | MW-49-061520 | Total/NA | Water | 300.0 | |
| 280-137693-3 | MW-50-061520 | Total/NA | Water | 300.0 | |
| MB 280-499763/6 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 280-499763/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 280-499763/5 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |
| MRL 280-499763/3 | Lab Control Sample | Total/NA | Water | 300.0 | |

Analysis Batch: 499923

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 280-137693-1 | MW-48R-061520 | Total/NA | Water | 300.0 | |
| 280-137693-2 | MW-49-061520 | Total/NA | Water | 300.0 | |
| 280-137693-3 | MW-50-061520 | Total/NA | Water | 300.0 | |
| MB 280-499923/6 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 280-499923/4 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 280-499923/5 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |
| MRL 280-499923/3 | Lab Control Sample | Total/NA | Water | 300.0 | |

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

Client Sample ID: MW-48R-061520

Lab Sample ID: 280-137693-1

Date Collected: 06/15/20 11:30

Matrix: Water

Date Received: 06/16/20 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 5 mL | 5 mL | 499743 | 06/23/20 13:20 | AJP | TAL DEN |
| Total/NA | Analysis | 300.0 | | 1 | 5 mL | 5 mL | 499763 | 06/23/20 18:56 | JAP | TAL DEN |
| Total/NA | Analysis | 300.0 | | 5 | 5 mL | 5 mL | 499923 | 06/24/20 20:29 | JAP | TAL DEN |
| Total/NA | Analysis | SM 2540C | | 1 | 50 mL | 100 mL | 499148 | 06/17/20 15:14 | ILC | TAL DEN |

Client Sample ID: MW-49-061520

Lab Sample ID: 280-137693-2

Date Collected: 06/15/20 13:00

Matrix: Water

Date Received: 06/16/20 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 5 mL | 5 mL | 499743 | 06/23/20 14:22 | AJP | TAL DEN |
| Total/NA | Analysis | 300.0 | | 1 | 5 mL | 5 mL | 499763 | 06/23/20 19:12 | JAP | TAL DEN |
| Total/NA | Analysis | 300.0 | | 5 | 5 mL | 5 mL | 499923 | 06/24/20 20:45 | JAP | TAL DEN |
| Total/NA | Analysis | SM 2540C | | 1 | 100 mL | 100 mL | 499148 | 06/17/20 15:14 | ILC | TAL DEN |

Client Sample ID: MW-50-061520

Lab Sample ID: 280-137693-3

Date Collected: 06/15/20 14:00

Matrix: Water

Date Received: 06/16/20 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 5 mL | 5 mL | 499743 | 06/23/20 14:43 | AJP | TAL DEN |
| Total/NA | Analysis | 300.0 | | 1 | 5 mL | 5 mL | 499763 | 06/23/20 19:29 | JAP | TAL DEN |
| Total/NA | Analysis | 300.0 | | 10 | 5 mL | 5 mL | 499923 | 06/24/20 21:02 | JAP | TAL DEN |
| Total/NA | Analysis | SM 2540C | | 1 | 50 mL | 100 mL | 499148 | 06/17/20 15:14 | ILC | TAL DEN |

Client Sample ID: TB-01-061520

Lab Sample ID: 280-137693-4

Date Collected: 06/15/20 11:30

Matrix: Water

Date Received: 06/16/20 09:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 5 mL | 5 mL | 499743 | 06/23/20 15:04 | AJP | TAL DEN |

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Stantec Consulting Corp.
 Project/Site: Chevron Wilson Creek, CO

Job ID: 280-137693-1

Laboratory: Eurofins TestAmerica, Denver

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

| Authority | Program | Identification Number | Expiration Date |
|------------------------|-----------------------|-----------------------|-----------------|
| A2LA | Dept. of Defense ELAP | 2907.01 | 10-31-21 |
| A2LA | ISO/IEC 17025 | 2907.01 | 10-31-21 |
| Alabama | State Program | 40730 | 09-30-12 * |
| Alaska (UST) | State | 18-001 | 02-08-21 |
| Arizona | State | AZ0713 | 12-20-20 |
| Arkansas DEQ | State | 19-047-0 | 06-01-21 |
| California | State | 2513 | 01-08-21 |
| Connecticut | State | PH-0686 | 09-30-20 |
| Florida | NELAP | E87667-57 | 06-30-20 |
| Georgia | State | 4025-011 | 01-09-21 |
| Illinois | NELAP | 2000172019-1 | 04-30-21 |
| Iowa | State | IA#370 | 12-01-20 |
| Kansas | NELAP | E-10166 | 04-30-21 |
| Louisiana | NELAP | 30785 | 06-30-20 |
| Maine | State | 2019011 (231) | 03-03-21 |
| Minnesota | NELAP | 1788752 | 12-31-20 |
| Nevada | State | CO000262020-1 | 07-31-20 |
| New Hampshire | NELAP | 205319 | 04-29-21 |
| New Jersey | NELAP | 190002 | 06-30-20 |
| New York | NELAP | 59923 | 04-01-21 |
| North Carolina (WW/SW) | State | 358 | 12-31-20 |
| North Dakota | State | R-034 | 01-08-21 |
| Oklahoma | State | 2018-006 | 08-31-20 |
| Oregon | NELAP | 4025-011 | 01-08-21 |
| Pennsylvania | NELAP | 013 | 08-01-20 |
| South Carolina | State | 72002001 | 01-08-21 |
| Texas | NELAP | T104704183-19-17 | 09-30-20 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-20 |
| USDA | US Federal Programs | P330-18-00099 | 03-26-21 |
| Utah | NELAP | CO000262019-11 | 07-31-20 |
| Washington | State | C583-19 | 08-05-20 |
| West Virginia DEP | State | 354 | 11-30-20 |
| Wisconsin | State | 999615430 | 08-31-20 |
| Wyoming (UST) | A2LA | 2907.01 | 10-31-21 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

FedEx [®] **Express** *Expanded Billable Stamp*
Use only for shipments within the U.S.
Saturday delivery available.

1 From *See optional release signature below.*

ORDER: 00851499
2000 S. Colorado Blvd Z-300
Denver, CO 80222
DECLARED VALUE \$100
PACKAGE WEIGHT
()

2 To *Shipment will not be accepted if address below is altered.*

SAMPLE RECEIVING
TESTAMERICA DENVER
4955 YARROW ST
ARVADA, CO 80002
(303) 736-0100

FedEx
Priority
Overnight [®]

Next business morning by
10:30 a.m. Not available to all
locations. Please consult the
current FedEx Service Guide
for specific commitments.

NONREDEEMABLE
Please see back for declared
value information and important
terms and conditions.

SATURDAY DELIVERY

Shipments tendered on Friday
are delivered on Saturday to
most locations.

FedEx

TRK# 8156 5924 0333
0667

XH LAAA

TUE - 16 JUN 10:30A
PRIORITY OVERNIGHT

80002
CO-US
DEN



FID: 3820461-15Jun2020 SBSA 56CG1Y.../05A2



280-137693 Waybill

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 280-137693-1

Login Number: 137693

List Source: Eurofins TestAmerica, Denver

List Number: 1

Creator: Lubin, Julius C

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is \leq 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. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



Chris Beall
Stantec Consulting - Denver
2000 S Colorado Blvd, Suite 2-300
Denver, CO 80222
TEL: (970) 214-1126

RE: Chevron Wilson Creek

Dear Chris Beall:

Lab Set ID: 2006549

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 6/18/2020 for the analyses presented in the following report.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by:

| | |
|--------------------------|---|
| Jose G. Rocha | Digitally signed by Jose G. Rocha Date: 2020.07.02 12:45:15 -06'00' |
|--------------------------|---|

Laboratory Director or designee

Sample(s) were subcontracted for the following analyses:

Hexavalent Chromium



INORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-001
Client Sample ID: LF-SS-Unlined - 6"
Collection Date: 6/17/2020 830h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Analytical Results

TOTAL METALS

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-----------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 0.495 | 6.85 | |
| Barium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 4.95 | 155 | |
| Boron | mg/kg-dry | 6/25/2020 1418h | 7/1/2020 1712h | SW6010D | 24.8 | < 24.8 | |
| Cadmium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 0.495 | < 0.495 | |
| Chromium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 9.91 | 40.2 | |
| Copper | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 14.9 | 340 | |
| Lead | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 2.97 | 19.4 | |
| Mercury | mg/kg-dry | 6/23/2020 1200h | 6/25/2020 1100h | SW7471B | 0.0477 | 0.171 | |
| Nickel | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 19.8 | < 19.8 | |
| Selenium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 1.98 | < 1.98 | |
| Silver | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 0.297 | < 0.297 | |
| Zinc | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2000h | SW6020B | 14.9 | 78.7 | |

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver **Contact:** Chris Beall
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-002
Client Sample ID: LF-SS-Unlined - 40"
Collection Date: 6/17/2020 900h
Received Date: 6/18/2020 1520h

Analytical Results

TOTAL METALS

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|----------|-----------|-----------------|-----------------|-------------|-----------------|-------------------|------|
| Arsenic | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 0.478 | 6.16 | |
| Barium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 4.78 | 216 | |
| Boron | mg/kg-dry | 6/25/2020 1418h | 7/1/2020 1715h | SW6010D | 23.9 | < 23.9 | |
| Cadmium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 0.478 | 0.525 | |
| Chromium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 9.57 | 25.1 | |
| Copper | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 14.4 | 32.4 | |
| Lead | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 2.87 | 14.4 | |
| Mercury | mg/kg-dry | 6/23/2020 1200h | 6/25/2020 1102h | SW7471B | 0.0462 | < 0.0462 | |
| Nickel | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 19.1 | < 19.1 | |
| Selenium | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 1.91 | < 1.91 | |
| Silver | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 0.287 | < 0.287 | |
| Zinc | mg/kg-dry | 6/25/2020 1418h | 6/29/2020 2004h | SW6020B | 14.4 | 72.5 | |

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-001
Client Sample ID: LF-SS-Unlined - 6"
Collection Date: 6/17/2020 830h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|-------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Conductivity | µmhos/cm | | 6/19/2020 720h | SW9050A | 10.0 | 3,100 | & |
| pH @ 25° C | pH Units | | 6/18/2020 1815h | SW9045D | 1.00 | 4.95 | H |
| Sodium Adsorption Ratio | | | 7/1/2020 1735h | Calc. | 0.0100 | 0.591 | & |

& - Analysis is performed on a 1:1 DI water extract for soils.

H - Sample was received outside of the holding time.

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-002
Client Sample ID: LF-SS-Unlined - 40"
Collection Date: 6/17/2020 900h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Analytical Results

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|-------------------------|--------------|----------------------|----------------------|--------------------|------------------------|--------------------------|-------------|
| Conductivity | µmhos/cm | | 6/19/2020 720h | SW9050A | 10.0 | 982 | & |
| pH @ 25° C | pH Units | | 6/18/2020 1815h | SW9045D | 1.00 | 6.78 | H |
| Sodium Adsorption Ratio | | | 7/1/2020 1735h | Calc. | 0.0100 | 1.40 | & |

& - Analysis is performed on a 1:1 DI water extract for soils.

H - Sample was received outside of the holding time.

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-001B
Client Sample ID: LF-SS-Unlined - 6"
Collection Date: 6/17/2020 830h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8015-S-TPH-3546

Analytical Results

TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 6/22/2020 1444h **Extracted:** 6/19/2020 936h
Units: mg/kg-dry **Dilution Factor:** 40 **Method:** SW8015D

3440 South 700 West
Salt Lake City, UT 84119

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---------------------------------------|------------|-----------------|-------------------|------|
| Diesel Range Organics (DRO) (C10-C28) | 68476-34-6 | 929 | 6,400 | |

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

| Surrogate | Units: mg/kg-dry | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|----------------------------|------------------|----------|--------|---------------|-------|--------|------|
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 146 | 38.69 | 379 | 10-160 | S |

The reporting limits were raised due to sample matrix interferences.

S - High surrogate recoveries indicate possible bias high. Data deemed acceptable as no analytes associated with this surrogate were observed in the field sample.

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-002B
Client Sample ID: LF-SS-Unlined - 40"
Collection Date: 6/17/2020 900h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8015-S-TPH-3546

Analytical Results

TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 6/22/2020 1521h **Extracted:** 6/19/2020 936h

Units: mg/kg-dry

Dilution Factor: 5

Method: SW8015D

3440 South 700 West
Salt Lake City, UT 84119

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---------------------------------------|------------|-----------------|-------------------|------|
| Diesel Range Organics (DRO) (C10-C28) | 68476-34-6 | 123 | 375 | |

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

| Surrogate | Units: mg/kg-dry | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|----------------------------|------------------|----------|--------|---------------|-------|--------|------|
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 35.8 | 40.97 | 87.4 | 10-160 | |

The reporting limits were raised due to sample matrix interferences.

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-001B
Client Sample ID: LF-SS-Unlined - 6"
Collection Date: 6/17/2020 830h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8270E-S-SIM-3546

Analytical Results

SVOA PNA SIM List by GC/MS Method 8270E/3546

Analyzed: 6/27/2020 1641h **Extracted:** 6/19/2020 1104h
Units: µg/kg-dry **Dilution Factor:** 50 **Method:** SW8270E

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|-------------|------------|-----------------|-------------------|------|
| Naphthalene | 91-20-3 | 400 | 2,790 | ~ |

~ - The reporting limits were raised due to high analyte concentrations.
The reporting limits were raised due to high analyte concentrations.

Analyzed: 6/23/2020 2131h **Extracted:** 6/19/2020 1104h
Units: µg/kg-dry **Dilution Factor:** 10 **Method:** SW8270E

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------------------|------------|-----------------|-------------------|------|
| Acenaphthene | 83-32-9 | 79.9 | 349 | |
| Anthracene | 120-12-7 | 79.9 | 264 | |
| Benz(a)anthracene | 56-55-3 | 160 | < 160 | |
| Benzo(a)pyrene | 50-32-8 | 79.9 | < 79.9 | |
| Benzo(b)fluoranthene | 205-99-2 | 79.9 | 81.1 | |
| Benzo(k)fluoranthene | 207-08-9 | 79.9 | < 79.9 | |
| Chrysene | 218-01-9 | 79.9 | 704 | |
| Dibenz(a,h)anthracene | 53-70-3 | 79.9 | < 79.9 | |
| Fluoranthene | 206-44-0 | 79.9 | 190 | |
| Fluorene | 86-73-7 | 79.9 | 815 | |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 79.9 | < 79.9 | |
| Pyrene | 129-00-0 | 79.9 | 121 | |

Gel-Permeation Chromatography (GPC) Cleanup, method 3640A, utilized for this sample.
The reporting limits were raised due to high analyte concentrations.

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-002B
Client Sample ID: LF-SS-Unlined - 40"
Collection Date: 6/17/2020 900h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8270E-S-SIM-3546

Analytical Results

SVOA PNA SIM List by GC/MS Method 8270E/3546

Analyzed: 6/23/2020 2154h

Extracted: 6/19/2020 1104h

Units: µg/kg-dry

Dilution Factor: 1

Method: SW8270E

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------------------|------------|-----------------|-------------------|------|
| Acenaphthene | 83-32-9 | 8.35 | 11.5 | |
| Anthracene | 120-12-7 | 8.35 | < 8.35 | |
| Benz(a)anthracene | 56-55-3 | 16.7 | < 16.7 | |
| Benzo(a)pyrene | 50-32-8 | 8.35 | < 8.35 | |
| Benzo(b)fluoranthene | 205-99-2 | 8.35 | 14.9 | |
| Benzo(k)fluoranthene | 207-08-9 | 8.35 | 14.6 | |
| Chrysene | 218-01-9 | 8.35 | 28.3 | |
| Dibenz(a,h)anthracene | 53-70-3 | 8.35 | < 8.35 | |
| Fluoranthene | 206-44-0 | 8.35 | 11.9 | |
| Fluorene | 86-73-7 | 8.35 | 28.1 | |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 8.35 | < 8.35 | |
| Naphthalene | 91-20-3 | 8.35 | 68.7 | |
| Pyrene | 129-00-0 | 8.35 | < 8.35 | |

Gel-Permeation Chromatography (GPC) Cleanup, method 3640A, utilized for this sample.



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-001B
Client Sample ID: LF-SS-Unlined - 6"
Collection Date: 6/17/2020 830h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8270E-S-3546

Analytical Results

SVOA PNAs by GC/MS Method 8270E/3546

Analyzed: 6/23/2020 1632h **Extracted:** 6/19/2020 1104h
Units: µg/kg-dry **Dilution Factor:** 10 **Method:** SW8270E

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
 Toll Free: (888) 263-8686
 Fax: (801) 263-8687
 e-mail: awal@awal-labs.com
 web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------------------|------------|-----------------|-------------------|------|
| Acenaphthene | 83-32-9 | 4,060 | < 4,060 | |
| Anthracene | 120-12-7 | 4,060 | < 4,060 | |
| Benz(a)anthracene | 56-55-3 | 4,060 | < 4,060 | |
| Benzo(a)pyrene | 50-32-8 | 4,060 | < 4,060 | |
| Benzo(b)fluoranthene | 205-99-2 | 4,060 | < 4,060 | |
| Benzo(k)fluoranthene | 207-08-9 | 4,060 | < 4,060 | |
| Chrysene | 218-01-9 | 4,060 | < 4,060 | |
| Dibenz(a,h)anthracene | 53-70-3 | 4,060 | < 4,060 | |
| Fluoranthene | 206-44-0 | 4,060 | < 4,060 | |
| Fluorene | 86-73-7 | 4,060 | < 4,060 | |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 4,060 | < 4,060 | |
| Naphthalene | 91-20-3 | 4,060 | < 4,060 | |
| Pyrene | 129-00-0 | 4,060 | < 4,060 | |

| Surrogate | Units: µg/kg-dry | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|----------------------------|------------------|------------|--------|---------------|-------|--------|------|
| Surr: 2,4,6-Tribromophenol | | 118-79-6 | 192 | 795.1 | 24.2 | 10-237 | |
| Surr: 2-Fluorobiphenyl | | 321-60-8 | 275 | 397.6 | 69.1 | 10-179 | |
| Surr: 2-Fluorophenol | | 367-12-4 | 8.43 | 795.1 | 1.06 | 10-186 | S |
| Surr: Nitrobenzene-d5 | | 4165-60-0 | 278 | 397.6 | 70.0 | 10-166 | |
| Surr: Phenol-d6 | | 13127-88-3 | 201 | 795.1 | 25.2 | 10-194 | |
| Surr: Terphenyl-d14 | | 1718-51-0 | 287 | 397.6 | 72.2 | 10-265 | |

S - Sample dilution required due to sample matrix. Surrogate or MS spiking compound recoveries are outside of the control limits as expected due to being diluted out.

Gel-Permeation Chromatography (GPC) Cleanup, method 3640A, utilized for this sample.

The reporting limits were raised due to high analyte concentrations.



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-002B
Client Sample ID: LF-SS-Unlined - 40"
Collection Date: 6/17/2020 900h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8270E-S-3546

Analytical Results

SVOA PNAs by GC/MS Method 8270E/3546

Analyzed: 6/23/2020 1654h **Extracted:** 6/19/2020 1104h
Units: µg/kg-dry **Dilution Factor:** 1 **Method:** SW8270E

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------------------|------------|-----------------|-------------------|------|
| Acenaphthene | 83-32-9 | 424 | < 424 | |
| Anthracene | 120-12-7 | 424 | < 424 | |
| Benz(a)anthracene | 56-55-3 | 424 | < 424 | |
| Benzo(a)pyrene | 50-32-8 | 424 | < 424 | |
| Benzo(b)fluoranthene | 205-99-2 | 424 | < 424 | |
| Benzo(k)fluoranthene | 207-08-9 | 424 | < 424 | |
| Chrysene | 218-01-9 | 424 | < 424 | |
| Dibenz(a,h)anthracene | 53-70-3 | 424 | < 424 | |
| Fluoranthene | 206-44-0 | 424 | < 424 | |
| Fluorene | 86-73-7 | 424 | < 424 | |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 424 | < 424 | |
| Naphthalene | 91-20-3 | 424 | < 424 | |
| Pyrene | 129-00-0 | 424 | < 424 | |

| Surrogate | Units: µg/kg-dry | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|----------------------------|------------------|------------|--------|---------------|-------|--------|------|
| Surr: 2,4,6-Tribromophenol | | 118-79-6 | 430 | 831.0 | 51.7 | 10-237 | |
| Surr: 2-Fluorobiphenyl | | 321-60-8 | 289 | 415.5 | 69.4 | 10-179 | |
| Surr: 2-Fluorophenol | | 367-12-4 | 465 | 831.0 | 56.0 | 10-186 | |
| Surr: Nitrobenzene-d5 | | 4165-60-0 | 254 | 415.5 | 61.2 | 10-166 | |
| Surr: Phenol-d6 | | 13127-88-3 | 420 | 831.0 | 50.5 | 10-194 | |
| Surr: Terphenyl-d14 | | 1718-51-0 | 289 | 415.5 | 69.6 | 10-265 | |

Gel-Permeation Chromatography (GPC) Cleanup, method 3640A, utilized for this sample.



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-001A
Client Sample ID: LF-SS-Unlined - 6"
Collection Date: 6/17/2020 830h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8260D-S-PPM

Analytical Results

VOAs MBTEXN/GRO by GC/MS Method 8260D

Analyzed: 6/19/2020 1637h **Extracted:**
Units: mg/kg-dry **Dilution Factor:** 50 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------------|------------|-----------------|-------------------|------|
| Benzene | 71-43-2 | 0.0596 | 0.118 | |
| Ethylbenzene | 100-41-4 | 0.119 | 1.38 | |
| Toluene | 108-88-3 | 0.119 | < 0.119 | |
| TPH C6-C10 (GRO) | | 1.19 | 151 | |
| Xylenes, Total | 1330-20-7 | 0.119 | 5.50 | |

| Surrogate | Units: mg/kg-dry | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 2.33 | 2.982 | 78.2 | 70-132 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 2.36 | 2.982 | 79.1 | 70-125 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 2.44 | 2.982 | 81.9 | 74-135 | |
| Surr: Toluene-d8 | | 2037-26-5 | 2.43 | 2.982 | 81.6 | 70-123 | |

The reporting limits were raised due to high analyte concentrations.

Sampling and analytical preparation performed by method 5030A modified for analysis of soil samples collected in 2 or 4 oz jars.



ORGANIC ANALYTICAL REPORT

Client: Stantec Consulting - Denver
Project: Chevron Wilson Creek
Lab Sample ID: 2006549-002A
Client Sample ID: LF-SS-Unlined - 40"
Collection Date: 6/17/2020 900h
Received Date: 6/18/2020 1520h

Contact: Chris Beall

Test Code: 8260D-S-PPM

Analytical Results

VOAs MBTEXN/GRO by GC/MS Method 8260D

Analyzed: 6/22/2020 1150h **Extracted:**
Units: mg/kg-dry **Dilution Factor:** 2.51 **Method:** SW8260D

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|------------------|------------|-----------------|-------------------|------|
| Benzene | 71-43-2 | 0.00313 | 0.412 | |
| Ethylbenzene | 100-41-4 | 0.00626 | 0.0731 | |
| Toluene | 108-88-3 | 0.00626 | < 0.00626 | |
| TPH C6-C10 (GRO) | | 0.0626 | 4.38 | |
| Xylenes, Total | 1330-20-7 | 0.00626 | 0.296 | |

| Surrogate | Units: mg/kg-dry | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|-----------------------------|------------------|------------|--------|---------------|-------|--------|------|
| Surr: 1,2-Dichloroethane-d4 | | 17060-07-0 | 0.166 | 0.1564 | 106 | 70-132 | |
| Surr: 4-Bromofluorobenzene | | 460-00-4 | 0.164 | 0.1564 | 105 | 70-125 | |
| Surr: Dibromofluoromethane | | 1868-53-7 | 0.131 | 0.1564 | 83.9 | 74-135 | |
| Surr: Toluene-d8 | | 2037-26-5 | 0.152 | 0.1564 | 97.1 | 70-123 | |

Sampling and analytical preparation performed by method 5030A modified for analysis of soil samples collected in 2 or 4 oz jars.

American West Analytical Laboratories

Rpt Emailed:
OL:

WORK ORDER Summary

Work Order: **2006549**

Page 1 of 2

Client: Stantec Consulting - Denver

Client ID: STA220

Contact: Chris Beall

Due Date: 7/2/2020

Project: Chevron Wilson Creek

WO Type: Standard

Comments: Sample for Cr6 in soil sent to Pace. Also report Cr3 (Calculation of Total Cr and Cr6). Footnote report, pH received outside of hold;

DB

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage |
|---|---------------------|-----------------|-----------------|------------------|---|-------------|---------|
| 2006549-001A | LF-SS-Unlined - 6" | 6/17/2020 0830h | 6/18/2020 1520h | 8260D-S-PPM | Soil | VOC | Fridge |
| <i>Test Group: 8260D-S-MBTXN/GRO; # of Analytes: 5 / # of Surr: 4</i> | | | | | | | |
| 2006549-001B | 3546-SVOA-PR | | | 3546-TPH-PR | | df - tph | / semi |
| | | | | 8015-S-TPH-3546 | | df - tph | / semi |
| <i>Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1</i> | | | | | | | |
| | | | | 8270E-S-3546 | | df - tph | / semi |
| <i>Test Group: 8270E-S-PNA-3546; # of Analytes: 13 / # of Surr: 6</i> | | | | | | | |
| | | | | 8270E-S-SIM-3546 | | df - tph | / semi |
| <i>Test Group: 8270E-S-PNA-SIM-3546; # of Analytes: 13 / # of Surr:</i> | | | | | | | |
| 2006549-001C | COND-S-9050A | | | PH-9045D | | df - wc | |
| | | | | PMOIST | | df - wc | |
| | | | | SAR-S | | df - wc | |
| | | | | SOIL-PR | | df - wc | |
| | | | | 3051A-ICPMS-PR | | df - metals | |
| | | | | 6010D-S | <i>1 SEL Analytes: B</i> | df - metals | |
| | | | | 6020B-S | <i>10 SEL Analytes: AS BA CD CR CU PB NI SE AG ZN</i> | df - metals | |
| | | | | HG-S-7471B | | df - metals | |
| | | | | HG-S-PR-B | | df - metals | |
| | | | | OUTSIDE LAB | | Pace | |
| 2006549-001E | | | | | | | |
| 2006549-002A | LF-SS-Unlined - 40" | 6/17/2020 0900h | 6/18/2020 1520h | 8260D-S-PPM | Soil | VOC | Fridge |
| <i>Test Group: 8260D-S-MBTXN/GRO; # of Analytes: 5 / # of Surr: 4</i> | | | | | | | |
| 2006549-002B | 3546-SVOA-PR | | | 3546-TPH-PR | | df - tph | / semi |
| | | | | 8015-S-TPH-3546 | | df - tph | / semi |
| <i>Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1</i> | | | | | | | |
| | | | | 8270E-S-3546 | | df - tph | / semi |
| <i>Test Group: 8270E-S-PNA-3546; # of Analytes: 13 / # of Surr: 6</i> | | | | | | | |

WORK ORDER SUMMARY

Work Order: **2006549**

Page 2 of 2

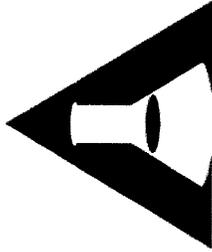
Client: Stantec Consulting - Denver

Due Date: 7/2/2020

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|--|---------------------|-----------------|-----------------|--|--------|-----|-----------------|------|
| 2006549-002B | LF-SS-Unlined - 40" | 6/17/2020 0900h | 6/18/2020 1520h | 8270E-S-SIM-3546 | Soil | | df - tph / semi | |
| Test Group: 8270E-S-PNA-SIM-3546; # of Analytes: 13 / # of Surr: 1 | | | | | | | | |
| 2006549-002C | | | | COND-S-9050A | | | df - wc | |
| | | | | PH-9045D | | | df - wc | |
| | | | | PMOIST | | | df - wc | |
| | | | | SAR-S | | | df - wc | |
| | | | | SOIL-PR | | | df - wc | |
| 2006549-002D | | | | 3051A-ICPMS-PR | | | df - metals | |
| | | | | 6010D-S | | | df - metals | |
| | | | | 1 SEL Analytes: B | | | | |
| | | | | 6020B-S | | | df - metals | |
| | | | | 10 SEL Analytes: AS BA CD CR CU PB NI SE AG ZN | | | | |
| | | | | HG-S-7471B | | | df - metals | |
| | | | | HG-S-PR-B | | | df - metals | |
| 2006549-002E | | | | OUTSIDE LAB | | | | Pace |

AWAL Use Only - One or more samples expired upon receipt:

Test Code
PH-9045D



American West Analytical Laboratories
 3440 S. 700 W. Salt Lake City, UT 84119
 Phone # (801) 263-8686 Toll Free # (888) 263-8686
 Fax # (801) 263-8687 Email awal@awal-labs.com
 www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

Client: Stantec
 Address: 2000 S. Colorado Blvd, suite 2-300
 City, State, Zip: Denver, CO 80222
 Contact: Chris Beall
 Phone #: 970 214-1126
 E-mail: christopher.beall@stantec.com
 Project Name: Chevron Wilson creek
 Project #: _____
 PO #: _____
 Sampler Name: _____

| QC Level: | Turn Around Time: | | | | | Sample Matrix | # of Containers | Sampled | Time Sampled |
|-------------------------------|-------------------|---|---|----|-------|---------------|-----------------|---------|--------------|
| | 1 | 2 | 3 | 3+ | Strnd | | | | |
| BTEX (8260B) | X | | | | | | 4 | 830 | |
| TPH (GRO/DRO) (C6-C28) 8015C | X | | | | | | 4 | 900 | |
| PAH (8270C) * see table 910 | X | | | | | | 5 | | |
| Elec Cond (29B-EC) | X | | | | | | 5 | | |
| Sodium Absorption ratio (20B) | X | | | | | | 5 | | |
| PH (9040C) | X | | | | | | 5 | | |
| Metals (see table 910) | X | | | | | | 5 | | |

Due Date: 7/2/20

Laboratory Use Only

COC Tape Was:

- 1 Present on Outer Packaging: NA
- 2 Unbroken on Outer Packaging: NA
- 3 Present on Sample: NA
- 4 Unbroken on Sample: NA

Samples Were:

- 1 Shipped by hand delivered: Checked
- 2 Ambient or Chilled: 0.6 °C
- 3 Temperature: 0.6 °C
- 4 Received Intact: Y
- 5 Properly Preserved: Y Checked at bench
- 6 Received Within Flotation Times: 2/18/20

Sample Labels and COC Record Match? Y

AWAL Lab Sample Set # 2006549
 Page 1 of 1

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Report down to the MDL:
 Include EDD:
 Lab Filler for:
 Field Filtered For:

For Compliance With:

- NELAP
- RCRA
- CWA
- SDWA
- ELAP/AZLA
- NLLAP
- Non-Compliance
- Other:

Known Hazards & Sample Comments: consult table 910

Special Instructions:

Retrieved by: awal Date: 6/18/20 Time: 600
 Signature: B. Collins

Received by: Edith Date: 6/18/20 Time: 1520
 Signature: Edith

Received by: Edith Date: 6/18/20 Time: 1520
 Signature: Edith

a. The unnecessary or excessive venting or flaring of natural gas produced from a well is prohibited.

b. Except for gas flared or vented during an upset condition, well maintenance, well stimulation flowback, purging operations, or a productivity test, gas from a well shall be flared or vented only after notice has been given and approval obtained from the Director on a Sundry Notice, Form 4, stating the estimated volume and content of the gas. The notice shall indicate whether the gas contains more than one (1) ppm of hydrogen sulfide. If necessary to protect the public health, safety or welfare, the Director may require the flaring of gas.

c. Gas flared, vented or used on the lease shall be estimated based on a gas-oil ratio test or other equivalent test approved by the Director, and reported on Operator's Monthly Report of Operations, Form 7.

d. Flared gas that is subject to Sundry Notice, Form 4, shall be directed to a controlled flare in accordance with Rule 903.b.(2) or other combustion device operated as efficiently as possible to provide maximum reduction of air contaminants where practicable and without endangering the safety of the well site personnel and the public.

e. Operators shall notify the local emergency dispatch or the local governmental designee of any natural gas flaring. Notice shall be given prior to flaring when flaring can be reasonably anticipated, or as soon as possible, but in no event more than two (2) hours after the flaring occurs.

**Table 910-1
CONCENTRATION LEVELS¹**

| Contaminant of Concern | Concentrations |
|---|-------------------------------------|
| Organic Compounds in Soil | |
| TPH (total volatile and extractable petroleum hydrocarbons) | 500 mg/kg |
| Benzene | 0.17 mg/kg ² |
| Toluene | 85 mg/kg ² |
| Ethylbenzene | 100 mg/kg ² |
| Xylenes (total) | 175 mg/kg ² |
| Acenaphthene | 1,000 mg/kg ² |
| Anthracene | 1,000 mg/kg ² |
| Benz(a)anthracene | 0.22 mg/kg ² |
| Benz(o)b)fluoranthene | 0.22 mg/kg ² |
| Benz(o)k)fluoranthene | 2.2 mg/kg ² |
| Benz(o)a)pyrene | 0.022 mg/kg ² |
| Chrysene | 22 mg/kg ² |
| Dibenzo(a,h)anthracene | 0.022 mg/kg ² |
| Fluoranthene | 1,000 mg/kg ² |
| Fluorene | 1,000 mg/kg ² |
| Indeno(1,2,3,c,d)pyrene | 0.22 mg/kg ² |
| Naphthalene | 23 mg/kg ² |
| Pyrene | 1,000 mg/kg ² |
| Organic Compounds in Ground Water | |
| Benzene | 5 µg/l ³ |
| Toluene | 560 to 1,000 µg/l ³ |
| Ethylbenzene | 700 µg/l ³ |
| Xylenes (Total) | 1,400 to 10,000 µg/l ^{3,4} |
| Inorganics in Soils | |
| Electrical Conductivity (EC) | <4 mmhos/cm or 2x background |

¹ Consideration shall be given to background levels in native soils and ground water.

² Concentrations taken from CDPHE-HMWMMD Table 1 Colorado Soil Evaluation Values (December 2007).

³ Concentrations taken from CDPHE-WQCC Regulation 41 - The Basic Standards for Ground Water.

⁴ For this range of standards, the first number in the range is a strictly health-based value, based on the WQCC's established methodology for human health-based standards. The second number in the range is a maximum contaminant level (MCL), established under the Federal Safe Drinking Water Act which has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. The WQCC intends that control requirements for this chemical be implemented to attain a level of ambient water quality that is at least equal to the first number in the range except as follows: (1) where ground water quality exceeds the first number in the range due to a release of contaminants that occurred prior to September 14, 2004 (regardless of the date of discovery or subsequent migration of such contaminants) clean-up levels for the entire contaminant plume shall be no more restrictive than the second number in the range or the ground water quality resulting from such release, whichever is more protective, and (2) whenever the WQCC has adopted alternative, site-specific standards for the chemical, the site-specific standards shall apply instead of these statewide standards.

⁵ Analysis by USDA Agricultural Handbook 60 method (20B) with soluble cations determined by method (2). Method (20B) = estimation of exchangeable sodium percentage and exchangeable potassium percentage from soluble cations. Method (2) = saturated paste method (note: each analysis requires a unique sample of at least 500 grams). If soils are saturated, USDA Agricultural Handbook 60 with soluble cations determined by method (3A) saturation extraction method.

⁶ The table value for these inorganic constituents is taken from the CDPHE-HMWMMD Table 1 Colorado Soil Evaluation Values (December 2007). However, because these values are high, it is possible that site-specific geochemical conditions may exist that could allow these constituents to migrate into ground water at levels exceeding ground water standards even though the concentrations are below the table values. Therefore, when these constituents are present as contaminants, a secondary evaluation of their leachability must be performed to ensure ground water protection.

COGCC recommends that the latest version of EPA SW 846 analytical methods be used where possible and that analyses of samples be performed by laboratories that maintain state or national accreditation programs.

| | |
|--|---------------------------------|
| Sodium Adsorption Ratio (SAR) | <1 ² |
| pH | 6-9 |
| Inorganics in Ground Water | |
| Total Dissolved Solids (TDS) | <1.25 x background ³ |
| Chlorides | <1.25 x background ³ |
| Sulfates | <1.25 x background ³ |
| Metals in Soils | |
| Arsenic | 0.39 mg/kg ² |
| Barium (LDNR True Total Barium) | 15,000 mg/kg ² |
| Boron (Hot Water Soluble) | 2 mg/l ³ |
| Cadmium | 70 mg/kg ^{3,6} |
| Chromium (III) | 120,000 mg/kg ² |
| Chromium (VI) | 23 mg/kg ^{2,6} |
| Copper | 3,100 mg/kg ² |
| Lead (inorganic) | 400 mg/kg ² |
| Mercury | 23 mg/kg ² |
| Nickel (soluble salts) | 1,600 mg/kg ^{2,6} |
| Selenium | 390 mg/kg ^{2,6} |
| Silver | 390 mg/kg ² |
| Zinc | 23,000 mg/kg ^{2,6} |
| Liquid Hydrocarbons in Soils and Ground Water | |
| Liquid hydrocarbons including condensate | Below detection level |

June 29, 2020

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

American West Analytical Labs- Utah

Sample Delivery Group: L1231694
Samples Received: 06/20/2020
Project Number:
Description: Chevron Wilson Creek

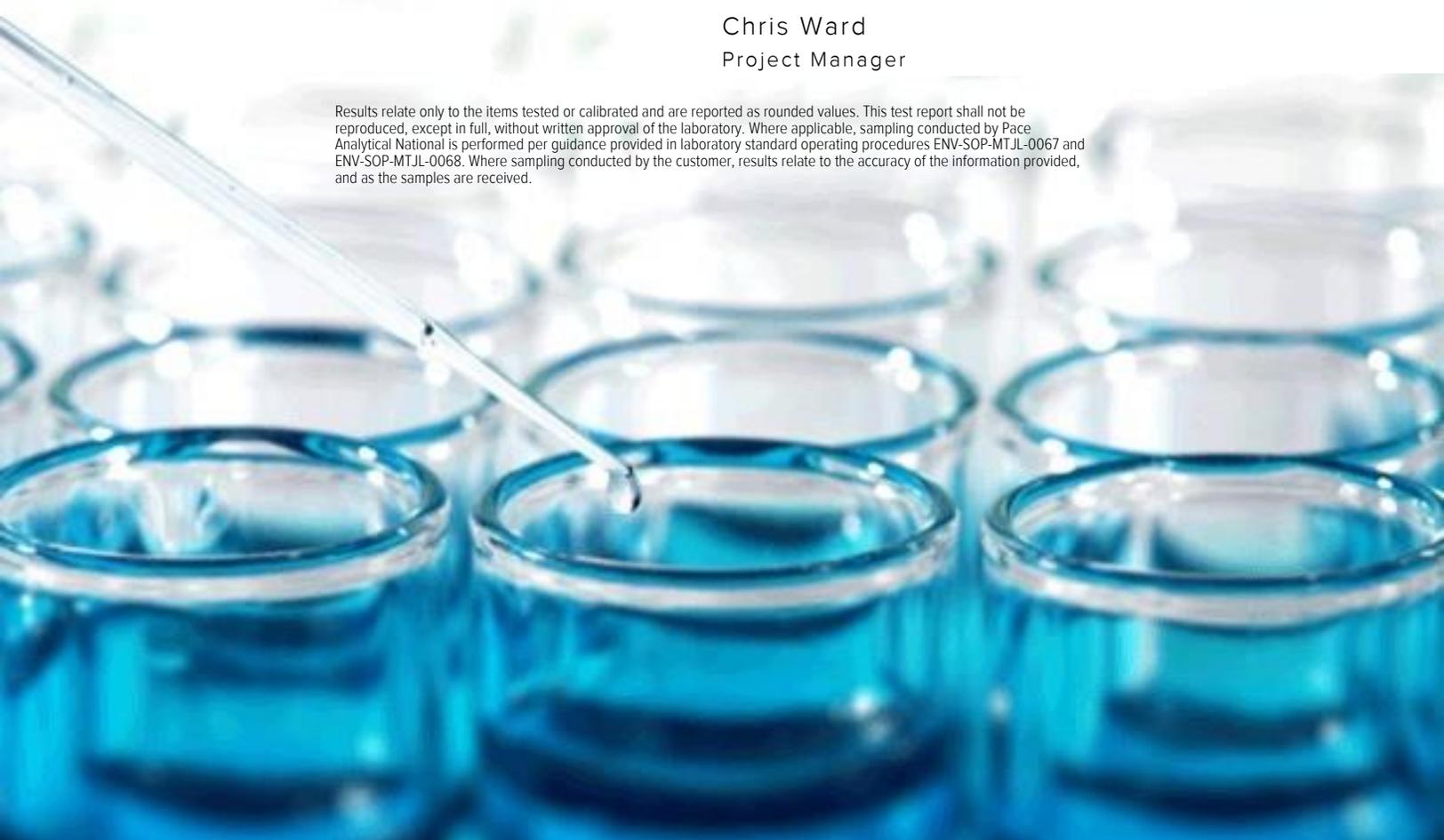
Report To: Elona Hayward
3440 S. 700 W.
Salt Lake City, UT 84129

Entire Report Reviewed By:

Chris Ward

Chris Ward
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





| | | |
|---|-----------|-------------|
| Cp: Cover Page | 1 | 1 Cp |
| Tc: Table of Contents | 2 | 2 Tc |
| Ss: Sample Summary | 3 | 3 Ss |
| Cn: Case Narrative | 4 | 4 Cn |
| Sr: Sample Results | 5 | 5 Sr |
| LF-SS-UNLINED - 6" L1231694-01 | 5 | 5 Cn |
| LF-SS-UNLINED - 40" L1231694-02 | 6 | 6 Qc |
| Qc: Quality Control Summary | 7 | 7 Gl |
| Total Solids by Method 2540 G-2011 | 7 | 7 Al |
| Wet Chemistry by Method 3060A/7196A | 9 | 9 Sc |
| Gl: Glossary of Terms | 11 | |
| Al: Accreditations & Locations | 12 | |
| Sc: Sample Chain of Custody | 13 | |

SAMPLE SUMMARY

LF-SS-UNLINED - 6" L1231694-01 Solid

Collected by
Collected date/time
Received date/time
06/17/20 08:30 06/20/20 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|-------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1499203 | 1 | 06/26/20 11:04 | 06/26/20 11:13 | KBC | Mt. Juliet, TN |
| Wet Chemistry by Method 3060A/7196A | WG1499053 | 1 | 06/25/20 16:00 | 06/26/20 17:00 | KEG | Mt. Juliet, TN |

1
Cp

2
Tc

3
Ss

LF-SS-UNLINED - 40" L1231694-02 Solid

Collected by
Collected date/time
Received date/time
06/17/20 09:00 06/20/20 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|-------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1499277 | 1 | 06/26/20 13:16 | 06/26/20 13:30 | KBC | Mt. Juliet, TN |
| Wet Chemistry by Method 3060A/7196A | WG1499053 | 1 | 06/25/20 16:00 | 06/26/20 17:02 | KEG | Mt. Juliet, TN |

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc



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

Chris Ward
Project Manager

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



Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 84.8 | | 1 | 06/26/2020 11:13 | WG1499203 |

1 Cp

2 Tc

Wet Chemistry by Method 3060A/7196A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chromium,Hexavalent | U | | 0.755 | 2.36 | 1 | 06/26/2020 17:00 | WG1499053 |

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 79.8 | | 1 | 06/26/2020 13:30 | WG1499277 |

1 Cp

2 Tc

Wet Chemistry by Method 3060A/7196A

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chromium,Hexavalent | U | | 0.802 | 2.51 | 1 | 06/26/2020 17:02 | WG1499053 |

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3544097-1 06/26/20 11:13

| Analyte | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.000 | | | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L1231686-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1231686-06 06/26/20 11:13 • (DUP) R3544097-3 06/26/20 11:13

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| | % | % | | % | | % |
| Total Solids | 88.6 | 89.4 | 1 | 0.912 | | 10 |

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3544097-2 06/26/20 11:13

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |



Method Blank (MB)

(MB) R3544107-1 06/26/20 13:30

| Analyte | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00600 | | | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L1231666-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1231666-08 06/26/20 13:30 • (DUP) R3544107-3 06/26/20 13:30

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| | % | % | | % | | % |
| Total Solids | 90.0 | 90.1 | 1 | 0.0362 | | 10 |

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3544107-2 06/26/20 13:30

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |



Method Blank (MB)

(MB) R3543555-1 06/26/20 16:41

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------|--------------------|--------------|-----------------|-----------------|
| Chromium,Hexavalent | U | | 0.640 | 2.00 |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3543555-7 06/26/20 16:54

| Analyte | Original Result mg/kg | DUP Result mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits |
|---------------------|--------------------------|---------------------|----------|--------------|---------------|-------------------|
| Chromium,Hexavalent | U | U | 1 | 0.000 | | 20 |

L1231694-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1231694-02 06/26/20 17:02 • (DUP) R3543555-8 06/26/20 17:04

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits |
|---------------------|-----------------------------------|------------------------------|----------|--------------|---------------|-------------------|
| Chromium,Hexavalent | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3543555-2 06/26/20 16:45

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Chromium,Hexavalent | 24.0 | 24.6 | 102 | 80.0-120 | |

L1230982-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1230982-10 06/26/20 16:48 • (MS) R3543555-3 06/26/20 16:49 • (MSD) R3543555-4 06/26/20 16:50

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MSD Result mg/kg | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chromium,Hexavalent | 20.0 | U | 9.18 | 9.06 | 45.9 | 45.3 | 1 | 75.0-125 | <u>J6</u> | <u>J6</u> | 1.32 | 20 |

Sample Narrative:

OS: Sample is a reducer



L1230982-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L1230982-10 06/26/20 16:48 • (MS) R3543555-5 06/26/20 16:50

| Analyte | Spike Amount mg/kg | Original Result mg/kg | MS Result mg/kg | MS Rec. % | Dilution | Rec. Limits % | <u>MS Qualifier</u> |
|---------------------|-----------------------|--------------------------|--------------------|--------------|----------|------------------|---------------------|
| Chromium,Hexavalent | 669 | U | 519 | 77.5 | 50 | 75.0-125 | |

Sample Narrative:

OS: Sample is a reducer

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier Description

| | |
|----|---|
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
|----|---|

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

| | | | |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN-03-2002-34 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey-NELAP | TN002 |
| California | 2932 | New Mexico ¹ | n/a |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina ¹ | DW21704 |
| Georgia | NELAP | North Carolina ³ | 41 |
| Georgia ¹ | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio-VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LA000356 |
| Kentucky ^{1,6} | 90010 | South Carolina | 84004 |
| Kentucky ² | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee ^{1,4} | 2006 |
| Louisiana ¹ | LA180010 | Texas | T104704245-18-15 |
| Maine | TN0002 | Texas ⁵ | LAB0152 |
| Maryland | 324 | Utah | TN00003 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 460132 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 9980939910 |
| Montana | CERT0086 | Wyoming | A2LA |

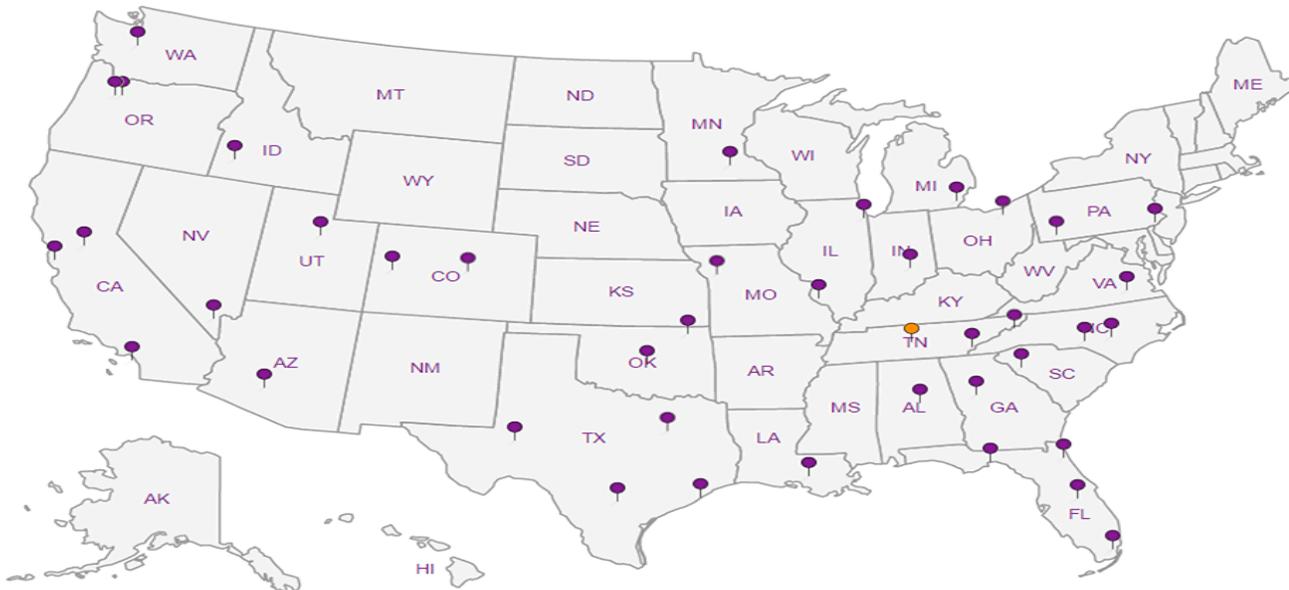
Third Party Federal Accreditations

| | | | |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Client: American West Analytical Laboratories
 Address: 463 W. 3600 S. Salt Lake City, UT 84115
 Report To: Elona Hayward; Denise Bruun; Rebekah Winkler
 Email: elona@awal-labs.com; denise@awal-labs.com; rebekah@awal-labs.com
 Phone #: (801) 263-8686

Turn Around Time (days):

1 2 3 4 5 Standard

QC Level: I

F094

Project Name: **Chevron Wilson Creek**

PO #: **2006549**

QC Level Descriptions:

I: No Batch QC summaries in report

II: Include Batch QC summaries in report

II+: Include Batch QC summaries performed on client sample in report

III: QC level II+, also include chromatograms and case narratives in report

III+: QC level III, also include raw data, logbooks, calibration, instrument batch summaries. (CLP-like package)

Sample ID:

Date and Time Sampled:

| Sample ID | Date and Time Sampled | # of Containers | Sample Matrix | Cr6 | | | | | | | | | | | |
|---------------------|-----------------------|-----------------|---------------|-----|--|--|--|--|--|--|--|--|--|--|--|
| LF-SS-Unlined - 6" | 6/17/2020 08:30 | 1 | S | X | | | | | | | | | | | |
| LF-SS-Unlined - 40" | 6/17/2020 09:00 | 1 | S | X | | | | | | | | | | | |

L12 31694-01
02

Appropriate Utah / NELAP certifications required.

| | | | | |
|--|------------------------|---|------------------------|------------------------------------|
| Relinquished By: Signature <i>Denise Bruun</i> | Date: <i>6/19/20</i> | Received By: Signature <i>Chad Ivie</i> | Date: <i>6/19/2020</i> | Special Instructions: |
| Print Name: <i>Denise Bruun</i> | Time: <i>1029</i> | Print Name: <i>Chad Ivie</i> | Time: <i>1029</i> | Include PO# on report |
| Relinquished By: Signature <i>Chad Ivie</i> PNSLCWT | Date: <i>6/19/2020</i> | Received By: Signature <i>Billy Barron</i> | Date: <i>6/20/20</i> | Send Invoice to Lynn@awal-labs.com |
| Print Name: <i>Chad Ivie</i> | Time: <i>1700</i> | Print Name: <i>Billy Barron</i> | Time: <i>0845</i> | |
| Relinquished By: Signature | Date: | Received By: Signature | Date: | |
| Print Name: | Time: | Print Name: | Time: | |

Sent To: Pace
 Printed: 6/18/2020

MPA2
 -8 = .8
 RAD SCREEN: <0.5 mR/hr

TRK # 1790 3020 2800

**Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form**

| | | | | |
|---------------------------------|---------------------|--------------|----------|--|
| Client: | AWALABUT | | L1231694 | |
| Cooler Received/Opened On: | 6 / 26 / 20 | Temperature: | 8 | |
| Received By: | Billy Barras | | | |
| Signature: | <i>Billy Barras</i> | | | |
| Receipt Check List | | | | |
| | NP | Yes | No | |
| COC Seal Present / Intact? | / | | | |
| COC Signed / Accurate? | | / | | |
| Bottles arrive intact? | | / | | |
| Correct bottles used? | | / | | |
| Sufficient volume sent? | | / | | |
| If Applicable | | | | |
| VOA Zero headspace? | | | | |
| Preservation Correct / Checked? | | | | |