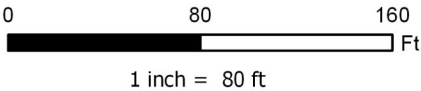


Legend

● Origin    ● Soil Sample Location    — Spill Path    ▨ Spill Area



|                     |  |   |        |
|---------------------|--|---|--------|
| Project No: 018-065 | Fee 104X Spill<br>Chevron USA, Inc.<br>Rio Blanco County, Colorado<br>NW/4 NW/4 Sec 29 T2S R102W | <br>330 Grand Avenue, Unit C<br>Grand Junction, CO 81501<br>970-549-1015 | Figure |
| Map By: NDB         |  |   | 1      |
| Date: 2-4-2018      |  |   |        |

**Table 1**  
**Fee 104X Spill**  
**Soil Data Summary**

| SAMPLE SUMMARY       |                |  |  |  |
|----------------------|----------------|--|--|--|
| Location Description | Fee 104X Spill |  |  |  |
| Sample Type          | Soil           |  |  |  |

| LABORATORY DATA SUMMARY           |             |             |  |          |
|-----------------------------------|-------------|-------------|--|----------|
| Sample ID                         | FEE104X-SS1 | FEE104X-BG1 | COGCC TABLE 910-1<br>CONCENTRATION<br>LEVELS | UNITS    |
| Depth                             | 0-6"        | 0-6"        |  |          |
| Sample Date                       | 11/1/2018   | 11/1/2018   |  |          |
| Analytical Parameters             |             |             |  |          |
| TPH                               |             |             |  |          |
| TPH Gasoline Range Organics       | <2.1        | NT          | 500  | mg/kg    |
| TPH Diesel Range Organics         | <3.1        | NT          |  |          |
| BTEX                              |             |             |  |          |
| Benzene                           | <0.0062     | NT          | 0.17   | mg/kg    |
| Toluene                           | <0.0099     | NT          | 85   | mg/kg    |
| Ethylbenzene                      | <0.0076     | NT          | 100  | mg/kg    |
| Total Xylene                      | <0.031      | NT          | 175  | mg/kg    |
| Metals                            |             |             |  |          |
| Arsenic                           | 5.8         | 6.8         | 0.39   | mg/kg    |
| Barium                            | 160         | 100         | 15,000                                       | mg/kg    |
| Cadmium                           | 0.15 J      | 0.16 J      | 70   | mg/kg    |
| Chromium                          | 9.1         | 11          | NA   | mg/kg    |
| Copper                            | 15          | 16          | 3,100  | mg/kg    |
| Lead                              | 13          | 14          | 400  | mg/kg    |
| Mercury                           | 0.031       | 0.032       | 23   | mg/kg    |
| Nickel                            | 12          | 13          | 1,600  | mg/kg    |
| Selenium                          | 0.65 J      | 0.57 J      | 390  | mg/kg    |
| Silver                            | <0.047      | <0.060      | 390  | mg/kg    |
| Zinc                              | 64          | 67          | 23,000                                       | mg/kg    |
| SAR Metals Analysis               |             |             |  |          |
| Calcium                           | 85          | 51          | NA   | mg/L     |
| Magnesium                         | 16          | 17          | NA   | mg/L     |
| Sodium                            | 270         | 85          | NA   | mg/L     |
| Sodium Adsorption Ratio           | 7.1         | 2.6         | <12  | ratio    |
| Polynuclear Aromatic Hydrocarbons |             |             |  |          |
| Acenaphthene                      | <0.0052     | NT          | 1,000  | mg/kg    |
| Anthracene                        | <0.0051     | NT          | 1,000  | mg/kg    |
| Benzo(a)anthracene                | <0.0062     | NT          | 0.22   | mg/kg    |
| Benzo(a)pyrene                    | <0.0044     | NT          | 0.022  | mg/kg    |
| Benzo(b)fluoranthene              | <0.0054     | NT          | 0.22   | mg/kg    |
| Benzo(k)fluoranthene              | <0.0054     | NT          | 2.2  | mg/kg    |
| Chrysene                          | <0.0058     | NT          | 22   | mg/kg    |
| Dibenzo(a,h)anthracene            | <0.0039     | NT          | 0.022  | mg/kg    |
| Fluoranthene                      | 0.036       | NT          | 1,000  | mg/kg    |
| Fluorene                          | <0.0052     | NT          | 1,000  | mg/kg    |
| Indeno(1,2,3-cd)pyrene            | <0.0050     | NT          | 0.22   | mg/kg    |
| Napthalene                        | <0.0046     | NT          | 23   | mg/kg    |
| Pyrene                            | 0.0065 J    | NT          | 1,000  | mg/kg    |
| General Chemistry                 |             |             |  |          |
| Chromium, Hexavalent              | <0.36       | <0.35       | 23   | mg/kg    |
| Chromium, Trivalent               | 9.1         | 11          | 120,000                                      | mg/kg    |
| Specific Conductivity             | 1.8         | 0.68        | <4 or 2 x the background                     | mmhos/cm |
| pH                                | 8.53        | 8.95        | 6-9  | su       |

mg/kg - milligrams per kilogram  
mg/L - milligrams per liter  
J - indicates an estimated value  
mmhos/cm - millimhos per centimeter  
mv - millivolts  
su - standard units  
NA - not applicable  
NT - parameter was not tested

Over COGCC Table 910-1 concentration levels but under BACKGROUND level.

Over COGCC Table 910-1 concentration levels and not within BACKGROUND level.

Over COGCC Table 910-1 concentration levels





14-Feb-2019

Tim Dobransky  
Entrada Consulting Group  
240 Mesa Ave.  
Grand Junction, CO 81501

Re: **FEE 104X Spill**

Work Order: **1811338**

Dear Tim,

ALS Environmental received 2 samples on 06-Nov-2018 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 22.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA  
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton  
Project Manager

## Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

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**Client:** Entrada Consulting Group  
**Project:** FEE 104X Spill  
**Work Order:** 1811338

## Work Order Sample Summary

---

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u>              |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1811338-01         | FEE104X-SS1             | Soil          |                   | 11/1/2018 10:50        | 11/6/2018 09:30      | <input type="checkbox"/> |
| 1811338-02         | FEE104X-BG1             | Soil          |                   | 11/1/2018 11:00        | 11/6/2018 09:30      | <input type="checkbox"/> |

| <b><u>Qualifier</u></b> | <b><u>Description</u></b>   |
|-------------------------|---|
| *                       | Value exceeds Regulatory Limit  |
| **                      | Estimated Value   |
| a                       | Analyte is non-accredited   |
| B                       | Analyte detected in the associated Method Blank above the Reporting Limit   |
| E                       | Value above quantitation range  |
| H                       | Analyzed outside of Holding Time  |
| Hr                      | BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.  |
| J                       | Analyte is present at an estimated concentration between the MDL and Report Limit   |
| ND                      | Not Detected at the Reporting Limit   |
| O                       | Sample amount is > 4 times amount spiked  |
| P                       | Dual Column results percent difference > 40%  |
| R                       | RPD above laboratory control limit  |
| S                       | Spike Recovery outside laboratory control limits  |
| U                       | Analyzed but not detected above the MDL   |
| X                       | Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. |

| <b><u>Acronym</u></b> | <b><u>Description</u></b>           |
|-----------------------|-------------------------------------|
| DUP                   | Method Duplicate                    |
| LCS                   | Laboratory Control Sample           |
| LCSD                  | Laboratory Control Sample Duplicate |
| LOD                   | Limit of Detection (see MDL)        |
| LOQ                   | Limit of Quantitation (see PQL)     |
| MBLK                  | Method Blank                        |
| MDL                   | Method Detection Limit              |
| MS                    | Matrix Spike                        |
| MSD                   | Matrix Spike Duplicate              |
| PQL                   | Practical Quantitation Limit        |
| RPD                   | Relative Percent Difference         |
| TDL                   | Target Detection Limit              |
| TNTC                  | Too Numerous To Count               |
| A                     | APHA Standard Methods               |
| D                     | ASTM                                |
| E                     | EPA                                 |
| SW                    | SW-846 Update III                   |

| <b><u>Units Reported</u></b> | <b><u>Description</u></b>                  |
|------------------------------|--|
| % of sample                  | Percent of Sample                          |
| mg/Kg                        | Milligrams per Kilogram                    |
| mg/Kg-dry                    | Milligrams per Kilogram Dry Weight         |
| mg/L                         | Milligrams per Liter                       |
| mmhos/cm @25°C               | Millimhos-Centimeter at 25 Degrees Celcius |
| none                         |  |
| s.u.                         | Standard Units                             |

# ALS Group, USA

Date: 14-Feb-19

**Client:** Entrada Consulting Group  
**Project:** FEE 104X Spill  
**Sample ID:** FEE104X-SS1  
**Collection Date:** 11/1/2018 10:50 AM

**Work Order:** 1811338  
**Lab ID:** 1811338-01  
**Matrix:** SOIL

| Analyses                                 | Result | Qual | MDL                              | Report Limit | Units                            | Dilution Factor | Date Analyzed       |
|--|--------|------|----------------------------------|--------------|----------------------------------|-----------------|---------------------|
| <b>DIESEL RANGE ORGANICS BY GC-FID</b>   |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>SW8015M</b>           |              | Prep: SW3546 / 11/12/18          |                 | Analyst: <b>RP</b>  |
| DRO (C10-C28)                            | U      |      | 3.1                              | 5.4          | mg/Kg-dry                        | 1               | 11/13/2018 22:41    |
| Surr: 4-Terphenyl-d14                    | 84.1   |      |                                  | 33-111       | %REC                             | 1               | 11/13/2018 22:41    |
| <b>GASOLINE RANGE ORGANICS BY GC-FID</b> |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>SW8015D</b>           |              | Prep: SW5035 / 11/7/18           |                 | Analyst: <b>RP</b>  |
| GRO (C6-C10)                             | U      |      | 2.5                              | 6.0          | mg/Kg                            | 1               | 11/13/2018 23:29    |
| Surr: Toluene-d8                         | 86.0   |      |                                  | 71-123       | %REC                             | 1               | 11/13/2018 23:29    |
| <b>MERCURY BY CVAA</b>                   |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>SW7471B</b>           |              | Prep: SW7471 / 11/7/18           |                 | Analyst: <b>RSB</b> |
| Mercury                                  | 0.031  |      | 0.0021                           | 0.021        | mg/Kg-dry                        | 1               | 11/9/2018 16:57     |
| <b>METALS ANALYSIS BY ICP</b>            |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>SW846 6010C</b>       |              | Prep: SW3050B / 11/14/18         |                 | Analyst: <b>ABL</b> |
| Arsenic                                  | 5.8    |      | 0.098                            | 0.38         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Barium                                   | 160    |      | 0.15                             | 0.38         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Cadmium                                  | 0.15   | J    | 0.036                            | 0.76         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Chromium                                 | 9.1    |      | 0.021                            | 0.38         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Copper                                   | 15     |      | 0.17                             | 0.76         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Lead                                     | 13     |      | 0.080                            | 0.38         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Nickel                                   | 12     |      | 0.15                             | 0.38         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Selenium                                 | 0.65   | J    | 0.21                             | 0.76         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Silver                                   | U      |      | 0.047                            | 0.38         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| Zinc                                     | 64     |      | 0.061                            | 0.76         | mg/Kg-dry                        | 1               | 11/14/2018 15:48    |
| <b>SOLUBLE CATIONS FOR SAR</b>           |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>SW6020A</b>           |              | Prep: USDA Method 20B / 11/13/18 |                 | Analyst: <b>STP</b> |
| Calcium                                  | 85     |      | 0.86                             | 5.0          | mg/L                             | 10              | 11/13/2018 18:22    |
| Magnesium                                | 16     |      | 0.068                            | 2.0          | mg/L                             | 10              | 11/13/2018 18:22    |
| Sodium                                   | 270    |      | 0.34                             | 2.0          | mg/L                             | 10              | 11/13/2018 18:22    |
| <b>SODIUM ADSORPTION RATIO</b>           |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>USDA H60 METHOD 2</b> |              | Prep: USDA Method 20B / 11/13/18 |                 | Analyst: <b>STP</b> |
| Sodium Adsorption Ratio                  | 7.1    |      | 0.010                            | 0.010        | none                             | 1               | 11/13/2018          |
| <b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>   |        |      |                                  |              |                                  |                 |                     |
|  |        |      | Method: <b>SW846 8270D</b>       |              | Prep: SW3546 / 11/12/18          |                 | Analyst: <b>KAW</b> |
| Acenaphthene                             | U      |      | 0.0052                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Anthracene                               | U      |      | 0.0051                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Benzo(a)anthracene                       | U      |      | 0.0062                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Benzo(a)pyrene                           | U      |      | 0.0044                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Benzo(b)fluoranthene                     | U      |      | 0.0054                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Benzo(k)fluoranthene                     | U      |      | 0.0054                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Chrysene                                 | U      |      | 0.0058                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Dibenzo(a,h)anthracene                   | U      |      | 0.0039                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Fluoranthene                             | 0.036  |      | 0.0034                           | 0.0072       | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

Date: 14-Feb-19

**Client:** Entrada Consulting Group  
**Project:** FEE 104X Spill  
**Sample ID:** FEE104X-SS1  
**Collection Date:** 11/1/2018 10:50 AM

**Work Order:** 1811338  
**Lab ID:** 1811338-01  
**Matrix:** SOIL

| Analyses                                    | Result        | Qual | MDL                              | Report Limit  | Units                            | Dilution Factor | Date Analyzed       |
|---|---------------|------|----------------------------------|---------------|----------------------------------|-----------------|---------------------|
| Fluorene                                    | U             |      | 0.0052                           | 0.0072        | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Indeno(1,2,3-cd)pyrene                      | U             |      | 0.0050                           | 0.0072        | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| Naphthalene                                 | U             |      | 0.0046                           | 0.0072        | mg/Kg-dry                        | 1               | 11/14/2018 02:10    |
| <b>Pyrene</b>                               | <b>0.0065</b> | J    | <b>0.0013</b>                    | <b>0.0072</b> | <b>mg/Kg-dry</b>                 | 1               | 11/14/2018 02:10    |
| Surr: 2-Fluorobiphenyl                      | 74.2          |      |                                  | 44-107        | %REC                             | 1               | 11/14/2018 02:10    |
| Surr: 4-Terphenyl-d14                       | 72.8          |      |                                  | 52-123        | %REC                             | 1               | 11/14/2018 02:10    |
| Surr: Nitrobenzene-d5                       | 58.6          |      |                                  | 41-94         | %REC                             | 1               | 11/14/2018 02:10    |
| <b>VOLATILE ORGANIC COMPOUNDS</b>           |               |      | Method: <b>SW8260C</b>           |               | Prep: SW5035 / 11/7/18           |                 | Analyst: <b>LSY</b> |
| Benzene                                     | U             |      | 0.0062                           | 0.036         | mg/Kg                            | 1               | 11/13/2018 01:21    |
| Ethylbenzene                                | U             |      | 0.0076                           | 0.036         | mg/Kg                            | 1               | 11/13/2018 01:21    |
| <b>m,p-Xylene</b>                           | <b>0.019</b>  | J    | <b>0.017</b>                     | <b>0.072</b>  | <b>mg/Kg</b>                     | 1               | 11/13/2018 01:21    |
| o-Xylene                                    | U             |      | 0.014                            | 0.036         | mg/Kg                            | 1               | 11/13/2018 01:21    |
| Toluene                                     | U             |      | 0.0099                           | 0.036         | mg/Kg                            | 1               | 11/13/2018 01:21    |
| Xylenes, Total                              | U             |      | 0.031                            | 0.11          | mg/Kg                            | 1               | 11/13/2018 01:21    |
| Surr: 1,2-Dichloroethane-d4                 | 101           |      |                                  | 70-130        | %REC                             | 1               | 11/13/2018 01:21    |
| Surr: 4-Bromofluorobenzene                  | 93.8          |      |                                  | 70-130        | %REC                             | 1               | 11/13/2018 01:21    |
| Surr: Dibromofluoromethane                  | 83.4          |      |                                  | 70-130        | %REC                             | 1               | 11/13/2018 01:21    |
| Surr: Toluene-d8                            | 95.4          |      |                                  | 70-130        | %REC                             | 1               | 11/13/2018 01:21    |
| <b>ELECTRICAL CONDUCTIVITY (SAR)</b>        |               |      | Method: <b>USDA H60 METHOD 2</b> |               | Prep: USDA Method 20B / 11/13/18 |                 | Analyst: <b>JB</b>  |
| <b>Electrical Conductivity @ Saturation</b> | <b>1.8</b>    |      | <b>0.011</b>                     | <b>0.10</b>   | <b>mmhos/cm @25°</b>             | 20              | 11/14/2018 10:30    |
| <b>CHROMIUM, TRIVALENT</b>                  |               |      | Method: <b>CALCULATION</b>       |               |                                  |                 | Analyst: <b>MB</b>  |
| <b>Chromium, Trivalent</b>                  | <b>9.1</b>    |      | <b>0.34</b>                      | <b>1.1</b>    | <b>mg/Kg-dry</b>                 | 1               | 11/21/2018 12:30    |
| <b>CHROMIUM, HEXAVALENT</b>                 |               |      | Method: <b>SW7196A</b>           |               | Prep: SW3060A / 11/20/18         |                 | Analyst: <b>JEB</b> |
| <b>Chromium, Hexavalent</b>                 | U             |      | 0.36                             | 1.1           | mg/Kg-dry                        | 1               | 11/20/2018 11:00    |
| <b>MOISTURE</b>                             |               |      | Method: <b>SW3550C</b>           |               |                                  |                 | Analyst: <b>RBS</b> |
| <b>Moisture</b>                             | <b>9.4</b>    |      | <b>0.025</b>                     | <b>0.050</b>  | <b>% of sample</b>               | 1               | 11/15/2018 17:24    |
| <b>PH</b>                                   |               |      | Method: <b>SW9045D</b>           |               | Prep: EXTRACT / 11/7/18          |                 | Analyst: <b>RZM</b> |
| <b>pH</b>                                   | <b>8.53</b>   |      | <b>0.10</b>                      | <b>0.100</b>  | <b>s.u.</b>                      | 1               | 11/7/2018 14:05     |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

# ALS Group, USA

Date: 14-Feb-19

**Client:** Entrada Consulting Group  
**Project:** FEE 104X Spill  
**Sample ID:** FEE104X-BG1  
**Collection Date:** 11/1/2018 11:00 AM

**Work Order:** 1811338  
**Lab ID:** 1811338-02  
**Matrix:** SOIL

| Analyses                             | Result | Qual | MDL    | Report Limit | Units         | Dilution Factor | Date Analyzed    |
|--------------------------------------|--------|------|--------|--------------|---------------|-----------------|------------------|
| <b>MERCURY BY CVAA</b>               |        |      |        |              |               |                 |                  |
| Mercury                              | 0.032  |      | 0.0019 | 0.019        | mg/Kg-dry     | 1               | 11/9/2018 17:00  |
| <b>METALS ANALYSIS BY ICP</b>        |        |      |        |              |               |                 |                  |
| Arsenic                              | 6.8    |      | 0.12   | 0.48         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Barium                               | 100    |      | 0.19   | 0.48         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Cadmium                              | 0.16   | J    | 0.046  | 0.96         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Chromium                             | 11     |      | 0.027  | 0.48         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Copper                               | 16     |      | 0.21   | 0.96         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Lead                                 | 14     |      | 0.10   | 0.48         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Nickel                               | 13     |      | 0.19   | 0.48         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Selenium                             | 0.57   | J    | 0.27   | 0.96         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Silver                               | U      |      | 0.060  | 0.48         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| Zinc                                 | 67     |      | 0.077  | 0.96         | mg/Kg-dry     | 1               | 11/14/2018 15:54 |
| <b>SOLUBLE CATIONS FOR SAR</b>       |        |      |        |              |               |                 |                  |
| Calcium                              | 51     |      | 0.86   | 5.0          | mg/L          | 10              | 11/13/2018 18:24 |
| Magnesium                            | 17     |      | 0.068  | 2.0          | mg/L          | 10              | 11/13/2018 18:24 |
| Sodium                               | 85     |      | 0.34   | 2.0          | mg/L          | 10              | 11/13/2018 18:24 |
| <b>SODIUM ADSORPTION RATIO</b>       |        |      |        |              |               |                 |                  |
| Sodium Adsorption Ratio              | 2.6    |      | 0.010  | 0.010        | none          | 1               | 11/13/2018       |
| <b>ELECTRICAL CONDUCTIVITY (SAR)</b> |        |      |        |              |               |                 |                  |
| Electrical Conductivity @ Saturation | 0.68   |      | 0.011  | 0.10         | mmhos/cm @25° | 20              | 11/14/2018 10:30 |
| <b>CHROMIUM, TRIVALENT</b>           |        |      |        |              |               |                 |                  |
| Chromium, Trivalent                  | 11     |      | 0.36   | 1.2          | mg/Kg-dry     | 1               | 11/21/2018 12:30 |
| <b>CHROMIUM, HEXAVALENT</b>          |        |      |        |              |               |                 |                  |
| Chromium, Hexavalent                 | U      |      | 0.35   | 1.1          | mg/Kg-dry     | 1               | 11/20/2018 11:00 |
| <b>MOISTURE</b>                      |        |      |        |              |               |                 |                  |
| Moisture                             | 14     |      | 0.025  | 0.050        | % of sample   | 1               | 11/15/2018 17:24 |
| <b>PH</b>                            |        |      |        |              |               |                 |                  |
| pH                                   | 8.95   |      | 0.10   | 0.100        | s.u.          | 1               | 11/7/2018 14:05  |

**Note:** See Qualifiers page for a list of qualifiers and their definitions.



**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

**QC BATCH REPORT**

Batch ID: **127796** Instrument ID **GC8** Method: **SW8015M**

|             |        |  |         |               |      |                       |               |  |           |              |
|-------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| <b>MBLK</b> |        | Sample ID: <b>DBLKS1-127796-127796</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/13/2018 04:23 P</b> |           |              |
| Client ID:  |        | Run ID: <b>GC8_181113A</b>             |         |               |      | SeqNo: <b>5384391</b> |               | Prep Date: <b>11/12/2018</b>             |           | DF: <b>1</b> |
| Analyte     | Result | PQL                                    | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |

|                              |       |     |      |   |      |        |   |  |  |  |
|------------------------------|-------|-----|------|---|------|--------|---|--|--|--|
| DRO (C10-C28)                | U     | 5.0 |      |   |      |        |   |  |  |  |
| <i>Surr: 4-Terphenyl-d14</i> | 2.807 | 0   | 3.33 | 0 | 84.3 | 33-111 | 0 |  |  |  |

|            |        |  |         |               |      |                       |               |  |           |              |
|------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| <b>LCS</b> |        | Sample ID: <b>DLCSS1-127796-127796</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/13/2018 04:52 P</b> |           |              |
| Client ID: |        | Run ID: <b>GC8_181113A</b>             |         |               |      | SeqNo: <b>5384392</b> |               | Prep Date: <b>11/12/2018</b>             |           | DF: <b>1</b> |
| Analyte    | Result | PQL                                    | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |

|                              |       |     |      |   |      |        |   |  |  |  |
|------------------------------|-------|-----|------|---|------|--------|---|--|--|--|
| DRO (C10-C28)                | 202.5 | 5.0 | 333  | 0 | 60.8 | 58-111 | 0 |  |  |  |
| <i>Surr: 4-Terphenyl-d14</i> | 2.816 | 0   | 3.33 | 0 | 84.6 | 33-111 | 0 |  |  |  |

|            |        |                                  |         |               |      |                       |               |  |           |              |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| <b>MS</b>  |        | Sample ID: <b>1811329-01A MS</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/13/2018 05:21 P</b> |           |              |
| Client ID: |        | Run ID: <b>GC8_181113A</b>       |         |               |      | SeqNo: <b>5384393</b> |               | Prep Date: <b>11/12/2018</b>             |           | DF: <b>1</b> |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |

|                              |       |     |       |   |      |        |   |  |  |  |
|------------------------------|-------|-----|-------|---|------|--------|---|--|--|--|
| DRO (C10-C28)                | 190   | 4.9 | 326.2 | 0 | 58.2 | 58-111 | 0 |  |  |  |
| <i>Surr: 4-Terphenyl-d14</i> | 2.711 | 0   | 3.262 | 0 | 83.1 | 33-111 | 0 |  |  |  |

|            |        |                                   |         |               |      |                       |               |  |           |              |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| <b>MSD</b> |        | Sample ID: <b>1811329-01A MSD</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/13/2018 05:50 P</b> |           |              |
| Client ID: |        | Run ID: <b>GC8_181113A</b>        |         |               |      | SeqNo: <b>5384394</b> |               | Prep Date: <b>11/12/2018</b>             |           | DF: <b>1</b> |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |

|                              |       |     |       |   |      |        |       |         |    |  |
|------------------------------|-------|-----|-------|---|------|--------|-------|---------|----|--|
| DRO (C10-C28)                | 184.9 | 4.7 | 314.8 | 0 | 58.7 | 58-111 | 190   | 2.73    | 30 |  |
| <i>Surr: 4-Terphenyl-d14</i> | 2.711 | 0   | 3.148 | 0 | 86.1 | 33-111 | 2.711 | 0.00654 | 30 |  |

The following samples were analyzed in this batch: 1811338-01A

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127567** Instrument ID **GC9** Method: **SW8015D**

| <b>MBLK</b>      |        | Sample ID: <b>MBLK-127567-127567</b> |         |               |      | Units: <b>µg/Kg-dry</b> |               | Analysis Date: <b>11/13/2018 04:11 P</b> |           |              |
|------------------|--------|--------------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID:       |        | Run ID: <b>GC9_181113A</b>           |         |               |      | SeqNo: <b>5384908</b>   |               | Prep Date: <b>11/7/2018</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                                  | SPK Val | SPK Ref Value | %REC | Control Limit           | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| GRO (C6-C10)     | U      | 5,000                                |         |               |      |                         |               |  |           |              |
| Surr: Toluene-d8 | 4491   | 0                                    | 5000    | 0             | 89.8 | 71-123                  | 0             |  |           |              |

| <b>LCS</b>       |        | Sample ID: <b>LCS-127567-127567</b> |         |               |      | Units: <b>µg/Kg-dry</b> |               | Analysis Date: <b>11/13/2018 02:15 P</b> |           |              |
|------------------|--------|-------------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID:       |        | Run ID: <b>GC9_181113A</b>          |         |               |      | SeqNo: <b>5384903</b>   |               | Prep Date: <b>11/7/2018</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                                 | SPK Val | SPK Ref Value | %REC | Control Limit           | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| GRO (C6-C10)     | 482000 | 5,000                               | 500000  | 0             | 96.4 | 71-123                  | 0             |  |           |              |
| Surr: Toluene-d8 | 5604   | 0                                   | 5000    | 0             | 112  | 71-123                  | 0             |  |           |              |

| <b>MS</b>        |        | Sample ID: <b>1811346-02A MS</b> |         |               |      | Units: <b>µg/Kg-dry</b> |               | Analysis Date: <b>11/14/2018 10:35 A</b> |           |              |
|------------------|--------|----------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID:       |        | Run ID: <b>GC9_181113A</b>       |         |               |      | SeqNo: <b>5385396</b>   |               | Prep Date: <b>11/7/2018</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit           | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| GRO (C6-C10)     | 746200 | 6,500                            | 649400  | 0             | 115  | 71-123                  | 0             |  |           |              |
| Surr: Toluene-d8 | 6884   | 0                                | 6494    | 0             | 106  | 71-123                  | 0             |  |           |              |

| <b>MSD</b>       |        | Sample ID: <b>1811346-02A MSD</b> |         |               |      | Units: <b>µg/Kg-dry</b> |               | Analysis Date: <b>11/14/2018 11:33 A</b> |           |              |
|------------------|--------|-----------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID:       |        | Run ID: <b>GC9_181113A</b>        |         |               |      | SeqNo: <b>5385397</b>   |               | Prep Date: <b>11/7/2018</b>              |           | DF: <b>1</b> |
| Analyte          | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit           | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| GRO (C6-C10)     | 691300 | 6,500                             | 649400  | 0             | 106  | 71-123                  | 746200        | 7.65                                     | 30        |              |
| Surr: Toluene-d8 | 6706   | 0                                 | 6494    | 0             | 103  | 71-123                  | 6884          | 2.62                                     | 30        |              |

The following samples were analyzed in this batch: 1811338-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entrada Consulting Group  
 Work Order: 1811338  
 Project: FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127586** Instrument ID **HG4** Method: **SW7471B**

|             |        |                                      |         |               |                       |                     |                             |  |              |      |
|-------------|--------|--------------------------------------|---------|---------------|-----------------------|---------------------|-----------------------------|--|--------------|------|
| <b>MBLK</b> |        | Sample ID: <b>MBLK-127586-127586</b> |         |               |                       | Units: <b>mg/Kg</b> |                             | Analysis Date: <b>11/9/2018 04:13 PM</b> |              |      |
| Client ID:  |        | Run ID: <b>HG4_181109B</b>           |         |               | SeqNo: <b>5379699</b> |                     | Prep Date: <b>11/7/2018</b> |  | DF: <b>1</b> |      |
| Analyte     | Result | PQL                                  | SPK Val | SPK Ref Value | %REC                  | Control Limit       | RPD Ref Value               | %RPD                                     | RPD Limit    | Qual |
| Mercury     | 0.008  | 0.020                                |         |               |                       |                     |                             |  |              | J    |

|            |  |        |       |                              |               |      |               |                |      |           |                                   |  |       |  |
|------------|--|--------|-------|------------------------------|---------------|------|---------------|----------------|------|-----------|-----------------------------------|--|-------|--|
| LCS        |  |        |       | Sample ID: LCS-127586-127586 |               |      |               | Units: mg/Kg   |      |           | Analysis Date: 11/9/2018 04:15 PM |  |       |  |
| Client ID: |  |        |       | Run ID: HG4_181109B          |               |      |               | SeqNo: 5379700 |      |           | Prep Date: 11/7/2018              |  | DF: 1 |  |
| Analyte    |  | Result | PQL   | SPK Val                      | SPK Ref Value | %REC | Control Limit | RPD Ref Value  | %RPD | RPD Limit | Qual                              |  |       |  |
| Mercury    |  | 0.1587 | 0.020 | 0.1665                       | 0             | 95.3 | 80-120        | 0              |      |           |                                   |  |       |  |

|            |        |                           |         |               |      |                |               |                                   |           |       |
|------------|--------|---------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| MS         |        | Sample ID: 1811339-02A MS |         |               |      | Units: mg/Kg   |               | Analysis Date: 11/9/2018 05:07 PM |           |       |
| Client ID: |        | Run ID: HG4_181109B       |         |               |      | SeqNo: 5379742 |               | Prep Date: 11/7/2018              |           | DF: 1 |
| Analyte    | Result | PQL                       | SPK Val | SPK Ref Value | %REC | Control Limit  | RPD Ref Value | %RPD                              | RPD Limit | Qual  |
| Mercury    | 0.2074 | 0.018                     | 0.1458  | 0.04156       | 114  | 75-125         | 0             |                                   |           |       |

|            |  |        |       |                            |               |      |               |                |      |           |                                   |  |       |  |
|------------|--|--------|-------|----------------------------|---------------|------|---------------|----------------|------|-----------|-----------------------------------|--|-------|--|
| MSD        |  |        |       | Sample ID: 1811339-02A MSD |               |      |               | Units: mg/Kg   |      |           | Analysis Date: 11/9/2018 05:10 PM |  |       |  |
| Client ID: |  |        |       | Run ID: HG4_181109B        |               |      |               | SeqNo: 5379743 |      |           | Prep Date: 11/7/2018              |  | DF: 1 |  |
| Analyte    |  | Result | PQL   | SPK Val                    | SPK Ref Value | %REC | Control Limit | RPD Ref Value  | %RPD | RPD Limit | Qual                              |  |       |  |
| Mercury    |  | 0.2    | 0.018 | 0.1461                     | 0.04156       | 108  | 75-125        | 0.2074         | 3.62 | 35        |                                   |  |       |  |

The following samples were analyzed in this batch:

1811338-01A 1811338-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

# QC BATCH REPORT

Batch ID: **127937** Instrument ID **ICP2** Method: **SW846 6010C**

| <b>MBLK</b> |        | Sample ID: <b>MBLK-127937-127937</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/14/2018 03:30 P</b> |           |              |
|-------------|--------|--------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID:  |        | Run ID: <b>ICP2_181114A</b>          |         |               |      | SeqNo: <b>5386178</b> |               | Prep Date: <b>11/14/2018</b>             |           | DF: <b>1</b> |
| Analyte     | Result | PQL                                  | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Arsenic     | U      | 0.25                                 |         |               |      |                       |               |  |           |              |
| Barium      | U      | 0.25                                 |         |               |      |                       |               |  |           |              |
| Cadmium     | U      | 0.50                                 |         |               |      |                       |               |  |           |              |
| Chromium    | 0.028  | 0.25                                 |         |               |      |                       |               |  |           | J            |
| Copper      | U      | 0.50                                 |         |               |      |                       |               |  |           |              |
| Lead        | U      | 0.25                                 |         |               |      |                       |               |  |           |              |
| Nickel      | U      | 0.25                                 |         |               |      |                       |               |  |           |              |
| Selenium    | U      | 0.50                                 |         |               |      |                       |               |  |           |              |
| Silver      | 0.0452 | 0.25                                 |         |               |      |                       |               |  |           | J            |
| Zinc        | 0.0635 | 0.50                                 |         |               |      |                       |               |  |           | J            |

| <b>LCS</b> |        | Sample ID: <b>LCS-127937-127937</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/14/2018 03:36 P</b> |           |              |
|------------|--------|-------------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: |        | Run ID: <b>ICP2_181114A</b>         |         |               |      | SeqNo: <b>5386182</b> |               | Prep Date: <b>11/14/2018</b>             |           | DF: <b>1</b> |
| Analyte    | Result | PQL                                 | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Arsenic    | 4.46   | 0.25                                | 5       | 0             | 89.2 | 80-120                | 0             |  |           |              |
| Barium     | 5.151  | 0.25                                | 5       | 0             | 103  | 80-120                | 0             |  |           |              |
| Cadmium    | 4.73   | 0.50                                | 5       | 0             | 94.6 | 80-120                | 0             |  |           |              |
| Chromium   | 5.224  | 0.25                                | 5       | 0             | 104  | 80-120                | 0             |  |           |              |
| Copper     | 5.178  | 0.50                                | 5       | 0             | 104  | 80-120                | 0             |  |           |              |
| Lead       | 4.79   | 0.25                                | 5       | 0             | 95.8 | 80-120                | 0             |  |           |              |
| Nickel     | 4.835  | 0.25                                | 5       | 0             | 96.7 | 80-120                | 0             |  |           |              |
| Selenium   | 4.525  | 0.50                                | 5       | 0             | 90.5 | 80-120                | 0             |  |           |              |
| Silver     | 4.88   | 0.25                                | 5       | 0             | 97.6 | 80-120                | 0             |  |           |              |
| Zinc       | 4.83   | 0.50                                | 5       | 0             | 96.6 | 80-120                | 0             |  |           |              |

| <b>MS</b>  |        | Sample ID: <b>1811459-03AMS</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/14/2018 06:33 P</b> |           |              |
|------------|--------|---------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: |        | Run ID: <b>ICP2_181114A</b>     |         |               |      | SeqNo: <b>5386254</b> |               | Prep Date: <b>11/14/2018</b>             |           | DF: <b>1</b> |
| Analyte    | Result | PQL                             | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Arsenic    | 10.93  | 0.36                            | 7.299   | 4.541         | 87.5 | 75-125                | 0             |  |           |              |
| Barium     | 113.1  | 0.36                            | 7.299   | 93.93         | 262  | 75-125                | 0             |  |           | SO           |
| Cadmium    | 6.796  | 0.73                            | 7.299   | 0.1203        | 91.5 | 75-125                | 0             |  |           |              |
| Chromium   | 18.09  | 0.36                            | 7.299   | 8.237         | 135  | 75-125                | 0             |  |           | S            |
| Copper     | 18.67  | 0.73                            | 7.299   | 10.61         | 110  | 75-125                | 0             |  |           |              |
| Lead       | 15.83  | 0.36                            | 7.299   | 9.318         | 89.3 | 75-125                | 0             |  |           |              |
| Nickel     | 15.85  | 0.36                            | 7.299   | 9.111         | 92.4 | 75-125                | 0             |  |           |              |
| Selenium   | 6.759  | 0.73                            | 7.299   | 0.3331        | 88   | 75-125                | 0             |  |           |              |
| Silver     | 7.299  | 0.36                            | 7.299   | -0.3047       | 104  | 75-125                | 0             |  |           |              |
| Zinc       | 52.71  | 0.73                            | 7.299   | 44.98         | 106  | 75-125                | 0             |  |           | O            |

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127937** Instrument ID **ICP2** Method: **SW846 6010C**

| MSD        |        | Sample ID: <b>1811459-03AMSD</b> |         |               |      | Units: <b>mg/Kg</b>   |               | Analysis Date: <b>11/14/2018 06:39 P</b> |           |              |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: |        | Run ID: <b>ICP2_181114A</b>      |         |               |      | SeqNo: <b>5386256</b> |               | Prep Date: <b>11/14/2018</b>             |           | DF: <b>1</b> |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Arsenic    | 10.92  | 0.36                             | 7.278   | 4.541         | 87.6 | 75-125                | 10.93         | 0.0906                                   | 20        |              |
| Barium     | 108.2  | 0.36                             | 7.278   | 93.93         | 196  | 75-125                | 113.1         | 4.43                                     | 20        | SO           |
| Cadmium    | 6.761  | 0.73                             | 7.278   | 0.1203        | 91.2 | 75-125                | 6.796         | 0.507                                    | 20        |              |
| Chromium   | 17.91  | 0.36                             | 7.278   | 8.237         | 133  | 75-125                | 18.09         | 1  | 20        | S            |
| Copper     | 18.61  | 0.73                             | 7.278   | 10.61         | 110  | 75-125                | 18.67         | 0.301                                    | 20        |              |
| Lead       | 15.71  | 0.36                             | 7.278   | 9.318         | 87.9 | 75-125                | 15.83         | 0.764                                    | 20        |              |
| Nickel     | 15.24  | 0.36                             | 7.278   | 9.111         | 84.2 | 75-125                | 15.85         | 3.97                                     | 20        |              |
| Selenium   | 6.718  | 0.73                             | 7.278   | 0.3331        | 87.7 | 75-125                | 6.759         | 0.616                                    | 20        |              |
| Silver     | 7.271  | 0.36                             | 7.278   | -0.3047       | 104  | 75-125                | 7.299         | 0.392                                    | 20        |              |
| Zinc       | 51.82  | 0.73                             | 7.278   | 44.98         | 94   | 75-125                | 52.71         | 1.71                                     | 20        | O            |

The following samples were analyzed in this batch:

1811338-01A 1811338-02A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127879** Instrument ID **ICPMS3** Method: **SW6020A**

| <b>DUP</b>                    |        | Sample ID: <b>1811338-02BDUP</b> |         |               |      | Units: <b>mg/L</b>    |               | Analysis Date: <b>11/13/2018 06:25 P</b> |           |               |
|-------------------------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|---------------|
| Client ID: <b>FEE104X-BG1</b> |        | Run ID: <b>ICPMS3_181113A</b>    |         |               |      | SeqNo: <b>5383868</b> |               | Prep Date: <b>11/13/2018</b>             |           | DF: <b>10</b> |
| Analyte                       | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                                     | RPD Limit | Qual          |
| Calcium                       | 64.25  | 5.0                              | 0       | 0             | 0    | 0-0                   | 50.76         | 23.5                                     |           |               |
| Magnesium                     | 18.22  | 2.0                              | 0       | 0             | 0    | 0-0                   | 16.93         | 7.34                                     |           |               |
| Sodium                        | 65.09  | 2.0                              | 0       | 0             | 0    | 0-0                   | 84.95         | 26.5                                     |           |               |

The following samples were analyzed in this batch:

1811338-01B 1811338-02B

Batch ID: **127879** Instrument ID **SAR** Method: **USDA H60 Metho**

| <b>DUP</b>                    |        | Sample ID: <b>1811338-02BDUP</b> |         |               |      | Units: <b>none</b>    |               | Analysis Date: <b>11/13/2018</b> |           |              |
|-------------------------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|----------------------------------|-----------|--------------|
| Client ID: <b>FEE104X-BG1</b> |        | Run ID: <b>SAR_181113A</b>       |         |               |      | SeqNo: <b>5382811</b> |               | Prep Date: <b>11/13/2018</b>     |           | DF: <b>1</b> |
| Analyte                       | Result | PQL                              | SPK Val | SPK Ref Value | %REC | Control Limit         | RPD Ref Value | %RPD                             | RPD Limit | Qual         |
| Sodium Adsorption Ratio       | 1.846  | 0.010                            | 0       | 0             | 0    |                       | 2.637         | 35.3                             | 50        |              |

The following samples were analyzed in this batch:

1811338-01B 1811338-02B

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Entrada Consulting Group  
 Work Order: 1811338  
 Project: FEE 104X Spill

## QC BATCH REPORT

Batch ID: 127795 Instrument ID SVMS9 Method: SW846 8270D

| MBLK                   |        | Sample ID: SBLKS1-127795-127795 |         |               |      | Units: µg/Kg   |               | Analysis Date: 11/12/2018 07:26 P |           |       |
|------------------------|--------|---------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID:             |        | Run ID: SVMS9_181112A           |         |               |      | SeqNo: 5382273 |               | Prep Date: 11/12/2018             |           | DF: 1 |
| Analyte                | Result | PQL                             | SPK Val | SPK Ref Value | %REC | Control Limit  | RPD Ref Value | %RPD                              | RPD Limit | Qual  |
| Acenaphthene           | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Anthracene             | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Benzo(a)anthracene     | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Benzo(a)pyrene         | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Benzo(b)fluoranthene   | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Benzo(k)fluoranthene   | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Chrysene               | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Dibenzo(a,h)anthracene | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Fluoranthene           | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Fluorene               | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Indeno(1,2,3-cd)pyrene | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Naphthalene            | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Pyrene                 | U      | 6.7                             |         |               |      |                |               |                                   |           |       |
| Surr: 2-Fluorobiphenyl | 2193   | 0                               | 3333    | 0             | 65.8 | 44-107         | 0             |                                   |           |       |
| Surr: 4-Terphenyl-d14  | 2603   | 0                               | 3333    | 0             | 78.1 | 52-123         | 0             |                                   |           |       |
| Surr: Nitrobenzene-d5  | 1803   | 0                               | 3333    | 0             | 54.1 | 41-94          | 0             |                                   |           |       |

| LCS                    |        | Sample ID: SLCSS1-127795-127795 |         |               |      | Units: µg/Kg   |               | Analysis Date: 11/12/2018 07:49 P |           |       |
|------------------------|--------|---------------------------------|---------|---------------|------|----------------|---------------|-----------------------------------|-----------|-------|
| Client ID:             |        | Run ID: SVMS9_181112A           |         |               |      | SeqNo: 5382274 |               | Prep Date: 11/12/2018             |           | DF: 1 |
| Analyte                | Result | PQL                             | SPK Val | SPK Ref Value | %REC | Control Limit  | RPD Ref Value | %RPD                              | RPD Limit | Qual  |
| Acenaphthene           | 1104   | 6.7                             | 1333    | 0             | 82.8 | 55-101         | 0             |                                   |           |       |
| Anthracene             | 1111   | 6.7                             | 1333    | 0             | 83.4 | 67-105         | 0             |                                   |           |       |
| Benzo(a)anthracene     | 1189   | 6.7                             | 1333    | 0             | 89.2 | 68-105         | 0             |                                   |           |       |
| Benzo(a)pyrene         | 1159   | 6.7                             | 1333    | 0             | 86.9 | 68-110         | 0             |                                   |           |       |
| Benzo(b)fluoranthene   | 1134   | 6.7                             | 1333    | 0             | 85.1 | 65-110         | 0             |                                   |           |       |
| Benzo(k)fluoranthene   | 1158   | 6.7                             | 1333    | 0             | 86.9 | 66-113         | 0             |                                   |           |       |
| Chrysene               | 1161   | 6.7                             | 1333    | 0             | 87.1 | 68-108         | 0             |                                   |           |       |
| Dibenzo(a,h)anthracene | 1148   | 6.7                             | 1333    | 0             | 86.1 | 62-119         | 0             |                                   |           |       |
| Fluoranthene           | 1075   | 6.7                             | 1333    | 0             | 80.7 | 67-106         | 0             |                                   |           |       |
| Fluorene               | 1137   | 6.7                             | 1333    | 0             | 85.3 | 59-107         | 0             |                                   |           |       |
| Indeno(1,2,3-cd)pyrene | 1131   | 6.7                             | 1333    | 0             | 84.8 | 56-120         | 0             |                                   |           |       |
| Naphthalene            | 984    | 6.7                             | 1333    | 0             | 73.8 | 46-98          | 0             |                                   |           |       |
| Pyrene                 | 1165   | 6.7                             | 1333    | 0             | 87.4 | 60-119         | 0             |                                   |           |       |
| Surr: 2-Fluorobiphenyl | 2769   | 0                               | 3333    | 0             | 83.1 | 44-107         | 0             |                                   |           |       |
| Surr: 4-Terphenyl-d14  | 2927   | 0                               | 3333    | 0             | 87.8 | 52-123         | 0             |                                   |           |       |
| Surr: Nitrobenzene-d5  | 2295   | 0                               | 3333    | 0             | 68.9 | 41-94          | 0             |                                   |           |       |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entrada Consulting Group  
 Work Order: 1811338  
 Project: FEE 104X Spill

## QC BATCH REPORT

Batch ID: 127795 Instrument ID SVMS9 Method: SW846 8270D

| MS                     |        |     |                       | Sample ID: 1811329-01A MS |      |                |               | Units: µg/Kg |                       |      | Analysis Date: 11/12/2018 08:12 P |  |  |
|------------------------|--------|-----|-----------------------|---------------------------|------|----------------|---------------|--------------|-----------------------|------|-----------------------------------|--|--|
| Client ID:             |        |     | Run ID: SVMS9_181112A |                           |      | SeqNo: 5382352 |               |              | Prep Date: 11/12/2018 |      | DF: 1                             |  |  |
| Analyte                | Result | PQL | SPK Val               | SPK Ref Value             | %REC | Control Limit  | RPD Ref Value | %RPD         | RPD Limit             | Qual |                                   |  |  |
| Acenaphthene           | 970.5  | 6.7 | 1332                  | 0                         | 72.9 | 55-101         | 0             |              |                       |      |                                   |  |  |
| Anthracene             | 957.8  | 6.7 | 1332                  | 0                         | 71.9 | 67-105         | 0             |              |                       |      |                                   |  |  |
| Benzo(a)anthracene     | 1020   | 6.7 | 1332                  | 0                         | 76.6 | 68-105         | 0             |              |                       |      |                                   |  |  |
| Benzo(a)pyrene         | 1022   | 6.7 | 1332                  | 0                         | 76.7 | 68-110         | 0             |              |                       |      |                                   |  |  |
| Benzo(b)fluoranthene   | 985.8  | 6.7 | 1332                  | 0                         | 74   | 65-110         | 0             |              |                       |      |                                   |  |  |
| Benzo(k)fluoranthene   | 961.2  | 6.7 | 1332                  | 0                         | 72.2 | 66-113         | 0             |              |                       |      |                                   |  |  |
| Chrysene               | 987.1  | 6.7 | 1332                  | 0                         | 74.1 | 68-108         | 0             |              |                       |      |                                   |  |  |
| Dibenzo(a,h)anthracene | 994.5  | 6.7 | 1332                  | 0                         | 74.7 | 62-119         | 0             |              |                       |      |                                   |  |  |
| Fluoranthene           | 971.2  | 6.7 | 1332                  | 0                         | 72.9 | 67-106         | 0             |              |                       |      |                                   |  |  |
| Fluorene               | 1011   | 6.7 | 1332                  | 0                         | 75.9 | 59-107         | 0             |              |                       |      |                                   |  |  |
| Indeno(1,2,3-cd)pyrene | 1041   | 6.7 | 1332                  | 0                         | 78.2 | 56-120         | 0             |              |                       |      |                                   |  |  |
| Naphthalene            | 848.6  | 6.7 | 1332                  | 0                         | 63.7 | 46-98          | 0             |              |                       |      |                                   |  |  |
| Pyrene                 | 996.5  | 6.7 | 1332                  | 0                         | 74.8 | 60-119         | 0             |              |                       |      |                                   |  |  |
| Surr: 2-Fluorobiphenyl | 2316   | 0   | 3330                  | 0                         | 69.5 | 44-107         | 0             |              |                       |      |                                   |  |  |
| Surr: 4-Terphenyl-d14  | 2493   | 0   | 3330                  | 0                         | 74.9 | 52-123         | 0             |              |                       |      |                                   |  |  |
| Surr: Nitrobenzene-d5  | 2032   | 0   | 3330                  | 0                         | 61   | 41-94          | 0             |              |                       |      |                                   |  |  |

| MSD                    |        |     |                       | Sample ID: 1811329-01A MSD |      |                |               | Units: µg/Kg          |           | Analysis Date: 11/12/2018 08:35 P |  |
|------------------------|--------|-----|-----------------------|----------------------------|------|----------------|---------------|-----------------------|-----------|-----------------------------------|--|
| Client ID:             |        |     | Run ID: SVMS9_181112A |                            |      | SeqNo: 5382353 |               | Prep Date: 11/12/2018 |           | DF: 1                             |  |
| Analyte                | Result | PQL | SPK Val               | SPK Ref Value              | %REC | Control Limit  | RPD Ref Value | %RPD                  | RPD Limit | Qual                              |  |
| Acenaphthene           | 801.9  | 6.4 | 1283                  | 0                          | 62.5 | 55-101         | 970.5         | 19                    | 30        |                                   |  |
| Anthracene             | 800.6  | 6.4 | 1283                  | 0                          | 62.4 | 67-105         | 957.8         | 17.9                  | 30        | S                                 |  |
| Benzo(a)anthracene     | 866.7  | 6.4 | 1283                  | 0                          | 67.6 | 68-105         | 1020          | 16.2                  | 30        | S                                 |  |
| Benzo(a)pyrene         | 875.7  | 6.4 | 1283                  | 0                          | 68.3 | 68-110         | 1022          | 15.4                  | 30        |                                   |  |
| Benzo(b)fluoranthene   | 845.5  | 6.4 | 1283                  | 0                          | 65.9 | 65-110         | 985.8         | 15.3                  | 30        |                                   |  |
| Benzo(k)fluoranthene   | 800.6  | 6.4 | 1283                  | 0                          | 62.4 | 66-113         | 961.2         | 18.2                  | 30        | S                                 |  |
| Chrysene               | 834    | 6.4 | 1283                  | 0                          | 65   | 68-108         | 987.1         | 16.8                  | 30        | S                                 |  |
| Dibenzo(a,h)anthracene | 835.9  | 6.4 | 1283                  | 0                          | 65.2 | 62-119         | 994.5         | 17.3                  | 30        |                                   |  |
| Fluoranthene           | 811.5  | 6.4 | 1283                  | 0                          | 63.3 | 67-106         | 971.2         | 17.9                  | 30        | S                                 |  |
| Fluorene               | 828.2  | 6.4 | 1283                  | 0                          | 64.6 | 59-107         | 1011          | 19.9                  | 30        |                                   |  |
| Indeno(1,2,3-cd)pyrene | 883.4  | 6.4 | 1283                  | 0                          | 68.9 | 56-120         | 1041          | 16.4                  | 30        |                                   |  |
| Naphthalene            | 696    | 6.4 | 1283                  | 0                          | 54.3 | 46-98          | 848.6         | 19.8                  | 30        |                                   |  |
| Pyrene                 | 836.5  | 6.4 | 1283                  | 0                          | 65.2 | 60-119         | 996.5         | 17.4                  | 30        |                                   |  |
| Surr: 2-Fluorobiphenyl | 1900   | 0   | 3207                  | 0                          | 59.2 | 44-107         | 2316          | 19.7                  | 40        |                                   |  |
| Surr: 4-Terphenyl-d14  | 2089   | 0   | 3207                  | 0                          | 65.1 | 52-123         | 2493          | 17.7                  | 40        |                                   |  |
| Surr: Nitrobenzene-d5  | 1672   | 0   | 3207                  | 0                          | 52.1 | 41-94          | 2032          | 19.5                  | 40        |                                   |  |

The following samples were analyzed in this batch:

1811338-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entrada Consulting Group  
 Work Order: 1811338  
 Project: FEE 104X Spill

## QC BATCH REPORT

Batch ID: 127566 Instrument ID VMS8 Method: SW8260C

| MBLK Sample ID: MBLK-127566-127566 |        |                      |         | Units: µg/Kg-dry |      |                      | Analysis Date: 11/12/2018 06:41 P |       |           |      |
|------------------------------------|--------|----------------------|---------|------------------|------|----------------------|-----------------------------------|-------|-----------|------|
| Client ID:                         |        | Run ID: VMS8_181112A |         | SeqNo: 5382409   |      | Prep Date: 11/7/2018 |                                   | DF: 1 |           |      |
| Analyte                            | Result | PQL                  | SPK Val | SPK Ref Value    | %REC | Control Limit        | RPD Ref Value                     | %RPD  | RPD Limit | Qual |
| Benzene                            | U      | 30                   | 0       | 0                | 0    | 0-0                  | 0                                 |       |           |      |
| Ethylbenzene                       | U      | 30                   | 0       | 0                | 0    | 0-0                  | 0                                 |       |           |      |
| m,p-Xylene                         | U      | 60                   | 0       | 0                | 0    | 0-0                  | 0                                 |       |           |      |
| o-Xylene                           | U      | 30                   | 0       | 0                | 0    | 0-0                  | 0                                 |       |           |      |
| Toluene                            | U      | 30                   | 0       | 0                | 0    | 0-0                  | 0                                 |       |           |      |
| Xylenes, Total                     | U      | 90                   | 0       | 0                | 0    | 0-0                  | 0                                 |       |           |      |
| Surr: 1,2-Dichloroethane-d4        | 962.5  | 0                    | 1000    | 0                | 96.2 | 70-130               | 0                                 |       |           |      |
| Surr: 4-Bromofluorobenzene         | 977.5  | 0                    | 1000    | 0                | 97.8 | 70-130               | 0                                 |       |           |      |
| Surr: Dibromofluoromethane         | 928    | 0                    | 1000    | 0                | 92.8 | 70-130               | 0                                 |       |           |      |
| Surr: Toluene-d8                   | 999    | 0                    | 1000    | 0                | 99.9 | 70-130               | 0                                 |       |           |      |

| LCS Sample ID: LCS-127566-127566 |        |                      |         | Units: µg/Kg-dry |      |                      | Analysis Date: 11/12/2018 05:39 P |       |           |      |
|----------------------------------|--------|----------------------|---------|------------------|------|----------------------|-----------------------------------|-------|-----------|------|
| Client ID:                       |        | Run ID: VMS8_181112A |         | SeqNo: 5382407   |      | Prep Date: 11/7/2018 |                                   | DF: 1 |           |      |
| Analyte                          | Result | PQL                  | SPK Val | SPK Ref Value    | %REC | Control Limit        | RPD Ref Value                     | %RPD  | RPD Limit | Qual |
| Benzene                          | 962.5  | 30                   | 1000    | 0                | 96.2 | 75-125               | 0                                 |       |           |      |
| Ethylbenzene                     | 971    | 30                   | 1000    | 0                | 97.1 | 75-125               | 0                                 |       |           |      |
| m,p-Xylene                       | 1955   | 60                   | 2000    | 0                | 97.8 | 80-125               | 0                                 |       |           |      |
| o-Xylene                         | 1026   | 30                   | 1000    | 0                | 103  | 75-125               | 0                                 |       |           |      |
| Toluene                          | 965    | 30                   | 1000    | 0                | 96.5 | 70-125               | 0                                 |       |           |      |
| Xylenes, Total                   | 2980   | 90                   | 3000    | 0                | 99.4 | 75-125               | 0                                 |       |           |      |
| Surr: 1,2-Dichloroethane-d4      | 971.5  | 0                    | 1000    | 0                | 97.2 | 70-130               | 0                                 |       |           |      |
| Surr: 4-Bromofluorobenzene       | 1010   | 0                    | 1000    | 0                | 101  | 70-130               | 0                                 |       |           |      |
| Surr: Dibromofluoromethane       | 995.5  | 0                    | 1000    | 0                | 99.6 | 70-130               | 0                                 |       |           |      |
| Surr: Toluene-d8                 | 969.5  | 0                    | 1000    | 0                | 97   | 70-130               | 0                                 |       |           |      |

| MS Sample ID: 1811346-02A MS |        |                      |         | Units: µg/Kg-dry |      |                      | Analysis Date: 11/13/2018 12:55 P |       |           |      |
|------------------------------|--------|----------------------|---------|------------------|------|----------------------|-----------------------------------|-------|-----------|------|
| Client ID:                   |        | Run ID: VMS8_181112A |         | SeqNo: 5382484   |      | Prep Date: 11/7/2018 |                                   | DF: 1 |           |      |
| Analyte                      | Result | PQL                  | SPK Val | SPK Ref Value    | %REC | Control Limit        | RPD Ref Value                     | %RPD  | RPD Limit | Qual |
| Benzene                      | 1133   | 39                   | 1299    | 0                | 87.2 | 75-125               | 0                                 |       |           |      |
| Ethylbenzene                 | 1149   | 39                   | 1299    | 0                | 88.4 | 75-125               | 0                                 |       |           |      |
| m,p-Xylene                   | 2344   | 78                   | 2598    | 0                | 90.2 | 80-125               | 0                                 |       |           |      |
| o-Xylene                     | 1200   | 39                   | 1299    | 11.04            | 91.6 | 75-125               | 0                                 |       |           |      |
| Toluene                      | 1142   | 39                   | 1299    | 0                | 88   | 70-125               | 0                                 |       |           |      |
| Xylenes, Total               | 3545   | 120                  | 3897    | 0                | 91   | 75-125               | 0                                 |       |           |      |
| Surr: 1,2-Dichloroethane-d4  | 1264   | 0                    | 1299    | 0                | 97.3 | 70-130               | 0                                 |       |           |      |
| Surr: 4-Bromofluorobenzene   | 1305   | 0                    | 1299    | 0                | 100  | 70-130               | 0                                 |       |           |      |
| Surr: Dibromofluoromethane   | 1248   | 0                    | 1299    | 0                | 96.1 | 70-130               | 0                                 |       |           |      |
| Surr: Toluene-d8             | 1283   | 0                    | 1299    | 0                | 98.8 | 70-130               | 0                                 |       |           |      |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127566** Instrument ID **VMS8** Method: **SW8260C**

| MSD                                |        | Sample ID: <b>1811346-02A MSD</b> |         |               |      | Units: <b>µg/Kg-dry</b> |               | Analysis Date: <b>11/13/2018 01:10 A</b> |           |              |
|------------------------------------|--------|-----------------------------------|---------|---------------|------|-------------------------|---------------|--|-----------|--------------|
| Client ID:                         |        | Run ID: <b>VMS8_181112A</b>       |         |               |      | SeqNo: <b>5382483</b>   |               | Prep Date: <b>11/7/2018</b>              |           | DF: <b>1</b> |
| Analyte                            | Result | PQL                               | SPK Val | SPK Ref Value | %REC | Control Limit           | RPD Ref Value | %RPD                                     | RPD Limit | Qual         |
| Benzene                            | 1037   | 39                                | 1299    | 0             | 79.8 | 75-125                  | 1133          | 8.86                                     | 30        |              |
| Ethylbenzene                       | 1083   | 39                                | 1299    | 0             | 83.4 | 75-125                  | 1149          | 5.94                                     | 30        |              |
| m,p-Xylene                         | 2252   | 78                                | 2598    | 0             | 86.7 | 80-125                  | 2344          | 4.04                                     | 30        |              |
| o-Xylene                           | 1160   | 39                                | 1299    | 11.04         | 88.4 | 75-125                  | 1200          | 3.41                                     | 30        |              |
| Toluene                            | 1102   | 39                                | 1299    | 0             | 84.8 | 70-125                  | 1142          | 3.59                                     | 30        |              |
| Xylenes, Total                     | 3411   | 120                               | 3897    | 0             | 87.6 | 75-125                  | 3545          | 3.83                                     | 30        |              |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 1247   | 0                                 | 1299    | 0             | 96   | 70-130                  | 1264          | 1.35                                     | 30        |              |
| <i>Surr: 4-Bromofluorobenzene</i>  | 1357   | 0                                 | 1299    | 0             | 104  | 70-130                  | 1305          | 3.9                                      | 30        |              |
| <i>Surr: Dibromofluoromethane</i>  | 1257   | 0                                 | 1299    | 0             | 96.8 | 70-130                  | 1248          | 0.674                                    | 30        |              |
| <i>Surr: Toluene-d8</i>            | 1335   | 0                                 | 1299    | 0             | 103  | 70-130                  | 1283          | 3.92                                     | 30        |              |

The following samples were analyzed in this batch: 1811338-01A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127572** Instrument ID **WETCHEM** Method: **SW9045D**

|            |        |                              |         |               |                |               |                      |                                   |           |      |
|------------|--------|------------------------------|---------|---------------|----------------|---------------|----------------------|-----------------------------------|-----------|------|
| LCS        |        | Sample ID: LCS-127572-127572 |         |               |                | Units: s.u.   |                      | Analysis Date: 11/7/2018 02:05 PM |           |      |
| Client ID: |        | Run ID: WETCHEM_181107K      |         |               | SeqNo: 5372039 |               | Prep Date: 11/7/2018 |                                   | DF: 1     |      |
| Analyte    | Result | PQL                          | SPK Val | SPK Ref Value | %REC           | Control Limit | RPD Ref Value        | %RPD                              | RPD Limit | Qual |
| pH         | 4.01   | 0.10                         | 4       | 0             | 100            | 90-110        | 0                    |                                   |           |      |

|            |        |      |         |                            |      |               |               |                |           |      |                                   |  |       |  |
|------------|--------|------|---------|----------------------------|------|---------------|---------------|----------------|-----------|------|-----------------------------------|--|-------|--|
| DUP        |        |      |         | Sample ID: 1811329-01A DUP |      |               |               | Units: s.u.    |           |      | Analysis Date: 11/7/2018 02:05 PM |  |       |  |
| Client ID: |        |      |         | Run ID: WETCHEM_181107K    |      |               |               | SeqNo: 5372045 |           |      | Prep Date: 11/7/2018              |  | DF: 1 |  |
| Analyte    | Result | PQL  | SPK Val | SPK Ref Value              | %REC | Control Limit | RPD Ref Value | %RPD           | RPD Limit | Qual |                                   |  |       |  |
| pH         | 8.6    | 0.10 | 0       | 0                          | 0    | 0-0           | 8.53          | 0.817          | 20        |      |                                   |  |       |  |

|            |        |      |         |                            |      |               |               |                |           |      |                                   |  |       |  |
|------------|--------|------|---------|----------------------------|------|---------------|---------------|----------------|-----------|------|-----------------------------------|--|-------|--|
| DUP        |        |      |         | Sample ID: 1811334-01A DUP |      |               |               | Units: s.u.    |           |      | Analysis Date: 11/7/2018 02:05 PM |  |       |  |
| Client ID: |        |      |         | Run ID: WETCHEM_181107K    |      |               |               | SeqNo: 5372052 |           |      | Prep Date: 11/7/2018              |  | DF: 1 |  |
| Analyte    | Result | PQL  | SPK Val | SPK Ref Value              | %REC | Control Limit | RPD Ref Value | %RPD           | RPD Limit | Qual |                                   |  |       |  |
| pH         | 7.94   | 0.10 | 0       | 0                          | 0    | 0-0           | 8.02          | 1              | 20        |      |                                   |  |       |  |

The following samples were analyzed in this batch:

1811338-01A 1811338-02A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **127879** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

|                                      |        |                                   |         |                       |      |                              |               |  |           |      |
|--------------------------------------|--------|-----------------------------------|---------|-----------------------|------|------------------------------|---------------|--|-----------|------|
| <b>DUP</b>                           |        | Sample ID: <b>1811338-02B DUP</b> |         |                       |      | Units: <b>mmhos/cm @25°</b>  |               | Analysis Date: <b>11/14/2018 10:30 A</b> |           |      |
| Client ID: <b>FEE104X-BG1</b>        |        | Run ID: <b>WETCHEM_181114P</b>    |         | SeqNo: <b>5386483</b> |      | Prep Date: <b>11/13/2018</b> |               | DF: <b>20</b>                            |           |      |
| Analyte                              | Result | PQL                               | SPK Val | SPK Ref Value         | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual |
| Electrical Conductivity @ Saturation | 0.596  | 0.10                              | 0       | 0                     | 0    |                              | 0.682         | 13.5                                     | 50        |      |

The following samples were analyzed in this batch:

1811338-01B 1811338-02B

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Entrada Consulting Group  
 Work Order: 1811338  
 Project: FEE 104X Spill

## QC BATCH REPORT

Batch ID: **128146** Instrument ID **WETCHEM** Method: **SW7196A**

|             |        |                                      |         |                       |      |                              |               |  |           |      |
|-------------|--------|--------------------------------------|---------|-----------------------|------|------------------------------|---------------|--|-----------|------|
| <b>MBLK</b> |        | Sample ID: <b>MBLK-128146-128146</b> |         |                       |      | Units: <b>mg/Kg</b>          |               | Analysis Date: <b>11/20/2018 11:00 A</b> |           |      |
| Client ID:  |        | Run ID: <b>WETCHEM_181120F</b>       |         | SeqNo: <b>5395807</b> |      | Prep Date: <b>11/20/2018</b> |               | DF: <b>1</b>                             |           |      |
| Analyte     | Result | PQL                                  | SPK Val | SPK Ref Value         | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual |

Chromium, Hexavalent U 1.0

|            |        |                                     |         |                       |      |                              |               |  |           |      |
|------------|--------|-------------------------------------|---------|-----------------------|------|------------------------------|---------------|--|-----------|------|
| <b>LCS</b> |        | Sample ID: <b>LCS-128146-128146</b> |         |                       |      | Units: <b>mg/Kg</b>          |               | Analysis Date: <b>11/20/2018 11:00 A</b> |           |      |
| Client ID: |        | Run ID: <b>WETCHEM_181120F</b>      |         | SeqNo: <b>5395808</b> |      | Prep Date: <b>11/20/2018</b> |               | DF: <b>1</b>                             |           |      |
| Analyte    | Result | PQL                                 | SPK Val | SPK Ref Value         | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual |

Chromium, Hexavalent 4.1 1.0 5 0 82 80-120 0

|            |        |                                  |         |                       |      |                              |               |  |           |      |
|------------|--------|----------------------------------|---------|-----------------------|------|------------------------------|---------------|--|-----------|------|
| <b>MS</b>  |        | Sample ID: <b>1811346-01A MS</b> |         |                       |      | Units: <b>mg/Kg</b>          |               | Analysis Date: <b>11/20/2018 11:00 A</b> |           |      |
| Client ID: |        | Run ID: <b>WETCHEM_181120F</b>   |         | SeqNo: <b>5395818</b> |      | Prep Date: <b>11/20/2018</b> |               | DF: <b>1</b>                             |           |      |
| Analyte    | Result | PQL                              | SPK Val | SPK Ref Value         | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual |

Chromium, Hexavalent 0.46 1.0 5 -0.3287 15.8 75-125 0 JS

|            |        |                                   |         |                       |      |                              |               |  |           |      |
|------------|--------|-----------------------------------|---------|-----------------------|------|------------------------------|---------------|--|-----------|------|
| <b>MS</b>  |        | Sample ID: <b>1811346-01A MSI</b> |         |                       |      | Units: <b>mg/Kg</b>          |               | Analysis Date: <b>11/20/2018 11:00 A</b> |           |      |
| Client ID: |        | Run ID: <b>WETCHEM_181120F</b>    |         | SeqNo: <b>5395820</b> |      | Prep Date: <b>11/20/2018</b> |               | DF: <b>100</b>                           |           |      |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value         | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual |

Chromium, Hexavalent 319 100 1641 -0.3287 19.5 75-125 0 S

|            |        |                                   |         |                       |      |                              |               |  |           |      |
|------------|--------|-----------------------------------|---------|-----------------------|------|------------------------------|---------------|--|-----------|------|
| <b>MSD</b> |        | Sample ID: <b>1811346-01A MSD</b> |         |                       |      | Units: <b>mg/Kg</b>          |               | Analysis Date: <b>11/20/2018 11:00 A</b> |           |      |
| Client ID: |        | Run ID: <b>WETCHEM_181120F</b>    |         | SeqNo: <b>5395819</b> |      | Prep Date: <b>11/20/2018</b> |               | DF: <b>1</b>                             |           |      |
| Analyte    | Result | PQL                               | SPK Val | SPK Ref Value         | %REC | Control Limit                | RPD Ref Value | %RPD                                     | RPD Limit | Qual |

Chromium, Hexavalent 2.363 0.98 4.902 -0.3287 54.9 75-125 0.46 135 20 SR

The following samples were analyzed in this batch:

1811338-01A 1811338-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811338  
**Project:** FEE 104X Spill

## QC BATCH REPORT

Batch ID: **R249429** Instrument ID **MOIST** Method: **SW3550C**

|            |        |                          |                       |               |      |                |                    |            |                                   |       |  |
|------------|--------|--------------------------|-----------------------|---------------|------|----------------|--------------------|------------|-----------------------------------|-------|--|
| MBLK       |        | Sample ID: WBLKS-R249429 |                       |               |      |                | Units: % of sample |            | Analysis Date: 11/15/2018 05:24 P |       |  |
| Client ID: |        |                          | Run ID: MOIST_181115C |               |      | SeqNo: 5389667 |                    | Prep Date: |                                   | DF: 1 |  |
| Analyte    | Result | PQL                      | SPK Val               | SPK Ref Value | %REC | Control Limit  | RPD Ref Value      | %RPD       | RPD Limit                         | Qual  |  |

Moisture U 0.050

|            |        |                        |                       |               |      |                |                    |            |                                   |       |  |
|------------|--------|------------------------|-----------------------|---------------|------|----------------|--------------------|------------|-----------------------------------|-------|--|
| LCS        |        | Sample ID: LCS-R249429 |                       |               |      |                | Units: % of sample |            | Analysis Date: 11/15/2018 05:24 P |       |  |
| Client ID: |        |                        | Run ID: MOIST_181115C |               |      | SeqNo: 5389666 |                    | Prep Date: |                                   | DF: 1 |  |
| Analyte    | Result | PQL                    | SPK Val               | SPK Ref Value | %REC | Control Limit  | RPD Ref Value      | %RPD       | RPD Limit                         | Qual  |  |

Moisture 100 0.050 100 0 100 99.5-100.5 0

|            |        |     |         |                                   |      |               |               |                       |           |      |  |  |              |  |
|------------|--------|-----|---------|-----------------------------------|------|---------------|---------------|-----------------------|-----------|------|--|--|--------------|--|
| <b>DUP</b> |        |     |         | Sample ID: <b>1811337-02A DUP</b> |      |               |               | Units: % of sample    |           |      | Analysis Date: <b>11/15/2018 05:24 P</b> |  |              |  |
| Client ID: |        |     |         | Run ID: <b>MOIST_181115C</b>      |      |               |               | SeqNo: <b>5389646</b> |           |      | Prep Date:                               |  | DF: <b>1</b> |  |
| Analyte    | Result | PQL | SPK Val | SPK Ref Value                     | %REC | Control Limit | RPD Ref Value | %RPD                  | RPD Limit | Qual |  |  |              |  |

Moisture 8.79 0.050 0 0 0 0-0 9.31 5.75 10

|            |        |     |         |                                   |      |               |               |                       |           |      |  |  |              |  |
|------------|--------|-----|---------|-----------------------------------|------|---------------|---------------|-----------------------|-----------|------|--|--|--------------|--|
| <b>DUP</b> |        |     |         | Sample ID: <b>1811928-08A DUP</b> |      |               |               | Units: % of sample    |           |      | Analysis Date: <b>11/15/2018 05:24 P</b> |  |              |  |
| Client ID: |        |     |         | Run ID: <b>MOIST_181115C</b>      |      |               |               | SeqNo: <b>5389660</b> |           |      | Prep Date:                               |  | DF: <b>1</b> |  |
| Analyte    | Result | PQL | SPK Val | SPK Ref Value                     | %REC | Control Limit | RPD Ref Value | %RPD                  | RPD Limit | Qual |  |  |              |  |

Moisture 6.3 0.050 0 0 0 0-0 6.5 3.12 10

The following samples were analyzed in this batch:

1811338-01A 1811338-02A

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Environmental**

# Chain of Custody Form

Page 1 of 1

COC ID: 123456

☐ Cincinnati, OH  
+1 513 733 5336

☐ Everett, WA  
+1 425 356 2600

☐ Fort Collins, CO  
+1 970 490 1511

☒ Holland, MI  
+1 616 399 6070

☐ Houston, TX  
+1 281 530 5656

☐ Middletown, PA  
+1 717 944 5541

☐ Salt Lake City, UT  
+1 801 266 7700

☐ Spring City, PA  
+1 610 948 4903

☐ York, PA  
+1 717 505 5280

| Customer Information |                           | Project Information |                           |        |       |           | Parameter/Method Request for Analysis |   |   |   |   |   |   |   |   |   |      |  |  |
|----------------------|---------------------------|---------------------|---------------------------|--------|-------|-----------|---------------------------------------|---|---|---|---|---|---|---|---|---|------|--|--|
| Purchase Order       |                           | Project Name        | FEE 104X Spill            |        |       |           |                                       | A TPH (GRO & DRO)                         |   |   |   |   |   |   |   |   |      |  |  |
| Work Order           |                           | Project Number      |                           |        |       |           |                                       | B BTEX                                    |   |   |   |   |   |   |   |   |      |  |  |
| Company Name         | Entrada Consulting Group  | Bill To Company     | Entrada Consulting Group  |        |       |           |                                       | C PAH (See Attached List) CO Table 910    |   |   |   |   |   |   |   |   |      |  |  |
| Send Report To       | Tim Dobransky             | Invoice Attn.       | Tim Dobransky             |        |       |           |                                       | D Electrical Conductivity                 |   |   |   |   |   |   |   |   |      |  |  |
| Address              | 330 Grand Ave Unit C      | Address             | 330 Grand Ave Unit C      |        |       |           |                                       | E Sodium Adsorption Ratio                 |   |   |   |   |   |   |   |   |      |  |  |
| City/State/Zip       | Grand Junction, CO 81501  | City/State/Zip      | Grand Junction, CO 81501  |        |       |           |                                       | F pH                                      |   |   |   |   |   |   |   |   |      |  |  |
| Phone                | 970.270.2986              | Phone               | 970.270.2986              |        |       |           |                                       | G Metals (See Attached List) CO Table 910 |   |   |   |   |   |   |   |   |      |  |  |
| Fax                  |                           | Fax                 |                           |        |       |           |                                       | H Arsenic Only                            |   |   |   |   |   |   |   |   |      |  |  |
| e-Mail Address       | tdobransky@entradainc.com | e-Mail Address      | tdobransky@entradainc.com |        |       |           |                                       | I   |   |   |   |   |   |   |   |   |      |  |  |
|                      |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| No.                  | Sample Description        | Date                | Time                      | Matrix | Pres. | # Bottles | A                                     | B   | C | D | E | F | G | H | I | J | Hold |  |  |
| 1                    | FEE104X-SS1               | 11/01/18            | 1050                      | Soil   | 8     | 2         | X                                     | X   | X | X | X | X | X |   |   |   |      |  |  |
| 2                    | FEE104X-BG1               | 11/01/18            | 1100                      | Soil   | 8     | 2         |                                       |   |   | X | X | X | X |   |   |   |      |  |  |
| 3                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 4                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 5                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 6                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 7                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 8                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 9                    |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |
| 10                   |                           |                     |                           |        |       |           |                                       |   |   |   |   |   |   |   |   |   |      |  |  |

|   |  |                           |            |  |  |  |   |                   |  |
|---|--|---------------------------|------------|--|--|--|---|-------------------|--|
| Sampler(s): Please Print & Sign<br>Dobransky  |  | Shipment Method:<br>FedEx |            | Required Turnaround Time:<br><input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour |  |  |   | Results Due Date: |  |
| Relinquished by:  |  | Date: 11/5/18             | Time:      | Received by:   |  | Notes: Chevron Pricing Applies - Per Bruce Schlatter |   |                   |  |
| Relinquished by:  |  | Date: 11-5-18             | Time: 1830 | Received by (Laboratory):  |  | QC Package: (Check Box Below)                        |   |                   |  |
| Logged by (Laboratory):   |  | Date: 11/6/18             | Time: 1300 | Checked by (Laboratory):   |  | Cooler Temp. 4.8°C                                   | <input checked="" type="checkbox"/> Level II: Standard QC<br><input type="checkbox"/> Level III: Std QC + Raw Data<br><input type="checkbox"/> Level IV: SW846 CLP-Like<br>Other: |                   |  |
| Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035 |  |                           |            |  |  |  |   |                   |  |

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

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Sample Receipt Checklist

Client Name: **ENTRADA**

Date/Time Received: **06-Nov-18 09:30**

Work Order: **1811338**

Received by: **KRW**

Checklist completed by Keith Wurenga  
eSignature

06-Nov-18  
Date

Reviewed by: Chad Whelton  
eSignature

06-Nov-18  
Date

Matrices: **Soil**

Carrier name: **FedEx**

|   |   |                             |  |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>                       |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/>            |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample(s) received on ice?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Temperature(s)/Thermometer(s):                          | <u>4.8/4.8 C</u>                        |                             | <u>SR2</u>   |
| Cooler(s)/Kit(s):                                       | <u></u>                                 |                             |  |
| Date/Time sample(s) sent to storage:                    | <u>11/6/2018 1:57:15 PM</u>             |                             |  |
| Water - VOA vials have zero headspace?                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>                    |
| pH adjusted?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>                    |
| pH adjusted by:   | <u>-</u>                                |                             |  |

Login Notes:

-----

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: