



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", is written over a faint, larger version of the same signature.

Electronically approved by: Chad Whelton

Chad Whelton  
Project Manager

### Report of Laboratory Analysis

Certificate No: MN 026-999-449

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

**Work Order Sample Summary**

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<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"/>

<u>Qualifier</u>	<u>Description</u>
*	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.

<u>Acronym</u>	<u>Description</u>
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

<u>Units Reported</u>	<u>Description</u>
% 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>RSH</b>
Mercury	<b>0.031</b>		<b>0.0021</b>	<b>0.021</b>	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	<b>5.8</b>		<b>0.098</b>	<b>0.38</b>	mg/Kg-dry	1	11/14/2018 15:48
Barium	<b>160</b>		<b>0.15</b>	<b>0.38</b>	mg/Kg-dry	1	11/14/2018 15:48
Cadmium	<b>0.15</b>	J	<b>0.036</b>	<b>0.76</b>	mg/Kg-dry	1	11/14/2018 15:48
Chromium	<b>9.1</b>		<b>0.021</b>	<b>0.38</b>	mg/Kg-dry	1	11/14/2018 15:48
Copper	<b>15</b>		<b>0.17</b>	<b>0.76</b>	mg/Kg-dry	1	11/14/2018 15:48
Lead	<b>13</b>		<b>0.080</b>	<b>0.38</b>	mg/Kg-dry	1	11/14/2018 15:48
Nickel	<b>12</b>		<b>0.15</b>	<b>0.38</b>	mg/Kg-dry	1	11/14/2018 15:48
Selenium	<b>0.65</b>	J	<b>0.21</b>	<b>0.76</b>	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	<b>64</b>		<b>0.061</b>	<b>0.76</b>	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	<b>85</b>		<b>0.86</b>	<b>5.0</b>	mg/L	10	11/13/2018 18:22
Magnesium	<b>16</b>		<b>0.068</b>	<b>2.0</b>	mg/L	10	11/13/2018 18:22
Sodium	<b>270</b>		<b>0.34</b>	<b>2.0</b>	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	<b>7.1</b>		<b>0.010</b>	<b>0.010</b>	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	<b>0.036</b>		<b>0.0034</b>	<b>0.0072</b>	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>	<b>J</b>	<b>0.0013</b>	<b>0.0072</b>	<b>mg/Kg-dry</b>	1	11/14/2018 02:10
<i>Surr: 2-Fluorobiphenyl</i>	74.2			44-107	%REC	1	11/14/2018 02:10
<i>Surr: 4-Terphenyl-d14</i>	72.8			52-123	%REC	1	11/14/2018 02:10
<i>Surr: Nitrobenzene-d5</i>	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>	<b>J</b>	<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
<i>Surr: 1,2-Dichloroethane-d4</i>	101			70-130	%REC	1	11/13/2018 01:21
<i>Surr: 4-Bromofluorobenzene</i>	93.8			70-130	%REC	1	11/13/2018 01:21
<i>Surr: Dibromofluoromethane</i>	83.4			70-130	%REC	1	11/13/2018 01:21
<i>Surr: Toluene-d8</i>	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>
Electrical Conductivity @ Saturation	1.8		0.011	0.10	mmhos/cm @25°	20	11/14/2018 10:30
<b>CHROMIUM, TRIVALENT</b>			Method: <b>CALCULATION</b>				Analyst: <b>MB</b>
Chromium, Trivalent	9.1		0.34	1.1	mg/Kg-dry	1	11/21/2018 12:30
<b>CHROMIUM, HEXAVALENT</b>			Method: <b>SW7196A</b>		Prep: SW3060A / 11/20/18		Analyst: <b>JEB</b>
Chromium, Hexavalent	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>
Moisture	9.4		0.025	0.050	% of sample	1	11/15/2018 17:24
<b>PH</b>			Method: <b>SW9045D</b>		Prep: EXTRACT / 11/7/18		Analyst: <b>RZM</b>
pH	8.53		0.10	0.100	s.u.	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
		Method: SW7471B		Prep: SW7471 / 11/7/18		Analyst: RSH	
<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
		Method: SW846 6010C		Prep: SW3050B / 11/14/18		Analyst: ABL	
<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
		Method: SW6020A		Prep: USDA Method 20B / 11/13/18		Analyst: STP	
<b>SODIUM ADSORPTION RATIO</b>							
Sodium Adsorption Ratio	2.6		0.010	0.010	none	1	11/13/2018
		Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 11/13/18		Analyst: STP	
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>							
Electrical Conductivity @ Saturation	0.68		0.011	0.10	mmhos/cm @25°	20	11/14/2018 10:30
		Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 11/13/18		Analyst: JB	
<b>CHROMIUM, TRIVALENT</b>							
Chromium, Trivalent	11		0.36	1.2	mg/Kg-dry	1	11/21/2018 12:30
		Method: CALCULATION				Analyst: MB	
<b>CHROMIUM, HEXAVALENT</b>							
Chromium, Hexavalent	U		0.35	1.1	mg/Kg-dry	1	11/20/2018 11:00
		Method: SW7196A		Prep: SW3060A / 11/20/18		Analyst: JEB	
<b>MOISTURE</b>							
Moisture	14		0.025	0.050	% of sample	1	11/15/2018 17:24
		Method: SW3550C				Analyst: RBS	
<b>PH</b>							
pH	8.95		0.10	0.100	s.u.	1	11/7/2018 14:05
		Method: SW9045D		Prep: EXTRACT / 11/7/18		Analyst: RZM	

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**

MBLK		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			

LCS		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			

MS		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			

MSD		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

**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: 127567 Instrument ID GC9 Method: SW8015D

MBLK		Sample ID: MBLK-127567-127567				Units: µg/Kg-dry		Analysis Date: 11/13/2018 04:11 P		
Client ID:		Run ID: GC9_181113A		SeqNo: 5384908		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
GRO (C6-C10)	U	5,000								
Surr: Toluene-d8	4491	0	5000	0	89.8	71-123	0			

LCS		Sample ID: LCS-127567-127567				Units: µg/Kg-dry		Analysis Date: 11/13/2018 02:15 P		
Client ID:		Run ID: GC9_181113A		SeqNo: 5384903		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
GRO (C6-C10)	482000	5,000	500000	0	96.4	71-123	0			
Surr: Toluene-d8	5604	0	5000	0	112	71-123	0			

MS		Sample ID: 1811346-02A MS				Units: µg/Kg-dry		Analysis Date: 11/14/2018 10:35 A		
Client ID:		Run ID: GC9_181113A		SeqNo: 5385396		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
GRO (C6-C10)	746200	6,500	649400	0	115	71-123	0			
Surr: Toluene-d8	6884	0	6494	0	106	71-123	0			

MSD		Sample ID: 1811346-02A MSD				Units: µg/Kg-dry		Analysis Date: 11/14/2018 11:33 A		
Client ID:		Run ID: GC9_181113A		SeqNo: 5385397		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
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:

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**

MBLK		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: <b>LCS-127586-127586</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/9/2018 04:15 PM</b>		
Client ID:		Run ID: <b>HG4_181109B</b>				SeqNo: <b>5379700</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	0.1587	0.020	0.1665	0	95.3	80-120	0			

MS		Sample ID: <b>1811339-02A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/9/2018 05:07 PM</b>		
Client ID:		Run ID: <b>HG4_181109B</b>				SeqNo: <b>5379742</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	0.2074	0.018	0.1458	0.04156	114	75-125	0			

MSD		Sample ID: <b>1811339-02A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/9/2018 05:10 PM</b>		
Client ID:		Run ID: <b>HG4_181109B</b>				SeqNo: <b>5379743</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	0.2	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**

MBLK		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

LCS		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			

MS		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: 1811459-03AMSD				Units: mg/Kg		Analysis Date: 11/14/2018 06:39 P		
Client ID:		Run ID: ICP2_181114A			SeqNo: 5386256		Prep Date: 11/14/2018		DF: 1	
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

DUP		Sample ID: 1811338-02BDUP				Units: mg/L		Analysis Date: 11/13/2018 06:25 P		
Client ID: FEE104X-BG1		Run ID: ICPMS3_181113A			SeqNo: 5383868		Prep Date: 11/13/2018		DF: 10	
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

DUP		Sample ID: 1811338-02BDUP				Units: none		Analysis Date: 11/13/2018		
Client ID: FEE104X-BG1		Run ID: SAR_181113A			SeqNo: 5382811		Prep Date: 11/13/2018		DF: 1	
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: 1811346-02A MSD				Units: µg/Kg-dry		Analysis Date: 11/13/2018 01:10 A		
Client ID:		Run ID: VMS8_181112A			SeqNo: 5382483		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	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	
Surr: 1,2-Dichloroethane-d4	1247	0	1299	0	96	70-130	1264	1.35	30	
Surr: 4-Bromofluorobenzene	1357	0	1299	0	104	70-130	1305	3.9	30	
Surr: Dibromofluoromethane	1257	0	1299	0	96.8	70-130	1248	0.674	30	
Surr: Toluene-d8	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: <b>LCS-127572-127572</b>				Units: <b>s.u.</b>		Analysis Date: <b>11/7/2018 02:05 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181107K</b>				SeqNo: <b>5372039</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	
pH	4.01	0.10	4	0	100	90-110	0				

DUP		Sample ID: <b>1811329-01A DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>11/7/2018 02:05 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181107K</b>				SeqNo: <b>5372045</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	
pH	8.6	0.10	0	0	0	0-0	8.53	0.817	20		

DUP		Sample ID: <b>1811334-01A DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>11/7/2018 02:05 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181107K</b>				SeqNo: <b>5372052</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	
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: <b>WBLKS-R249429</b>				Units: % of sample			Analysis Date: <b>11/15/2018 05:24 P</b>		
Client ID:		Run ID: <b>MOIST_181115C</b>				SeqNo: <b>5389667</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	U	0.050									

LCS		Sample ID: <b>LCS-R249429</b>				Units: % of sample			Analysis Date: <b>11/15/2018 05:24 P</b>		
Client ID:		Run ID: <b>MOIST_181115C</b>				SeqNo: <b>5389666</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	100	0.050	100	0	100	99.5-100.5	0				

DUP		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		

DUP		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.



# 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									
							F	pH									
City/State/Zip	Grand Junction, CO 81501	City/State/Zip	Grand Junction, CO 81501				G	Metals (See Attached List) CO Table 910									
Phone	970.270.2986	Phone	970.270.2986				H	Arsenic Only									
Fax		Fax					I										
e-Mail Address	tdobransky@entradainc.com	e-Mail Address	tdobransky@entradainc.com				J										
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 Dobransky		Shipment Method: FedEx		Required Turnaround Time: <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):	Cooler Temp. 4.8°C				QC Package: (Check Box Below)									
Logged by (Laboratory):	Date: 11/6/18	Time: 1300	Checked by (Laboratory):	<input checked="" type="checkbox"/> Level II: Standard QC													
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035				<input type="checkbox"/> Level III: Std QC + Raw Data													
				<input type="checkbox"/> Level IV: SW846 CLP-Like													
				Other: _____													

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**

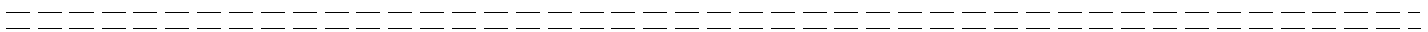
Checklist completed by Keith Wierenga 06-Nov-18  
eSignature Date

Reviewed by: Chad Whelton 06-Nov-18  
eSignature 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: