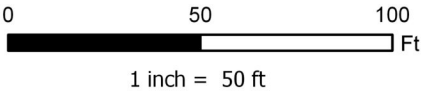




Legend

- Origin   ● Soil Sample Location   — Spill Path   ▨ Spill Areas



Project No: 018-065

Map By: NDB

Date: 5-10-2019

Fee 122X Spill  
Chevron USA, Inc.  
Rio Blanco County, Colorado  
NE/4 NE/4 Sec 19 T2S R102W



330 Grand Avenue, Unit C  
Grand Junction, CO 81501  
970-549-1015

Figure

1

**Table 1**  
**Fee 122X Spill**  
**Soil Data Summary**

SAMPLE SUMMARY	
Location Description	Fee 122X
Sample Type	Soil

LABORATORY DATA SUMMARY				
Sample ID	FEE122X-SS1	FEE122X-BG1	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Depth	0-6"	0-6"		
Sample Date	5/7/2019	5/7/2019		
Analytical Parameters				
TPH				
TPH Gasoline Range Organics	NT	NT	500	mg/kg
TPH Diesel Range Organics	NT	NT		
BTEX				
Benzene	NT	NT	0.17	mg/kg
Toluene	NT	NT	85	mg/kg
Ethylbenzene	NT	NT	100	mg/kg
Total Xylene	NT	NT	175	mg/kg
Metals				
Arsenic	NT	NT	0.39	mg/kg
Barium	NT	NT	15,000	mg/kg
Cadmium	NT	NT	70	mg/kg
Chromium	NT	NT	NA	mg/kg
Copper	NT	NT	3,100	mg/kg
Lead	NT	NT	400	mg/kg
Mercury	NT	NT	23	mg/kg
Nickel	NT	NT	1,600	mg/kg
Selenium	NT	NT	390	mg/kg
Silver	NT	NT	390	mg/kg
Zinc	NT	NT	23,000	mg/kg
SAR Metals Analysis				
Calcium	1000	1900	NA	mg/L
Magnesium	600	99	NA	mg/L
Sodium	5700	440	NA	mg/L
Sodium Adsorption Ratio	35	2.7	<12	ratio
Polynuclear Aromatic Hydrdrocarbons				
Acenaphthene	NT	NT	1,000	mg/kg
Anthracene	NT	NT	1,000	mg/kg
Benzo(a)anthracene	NT	NT	0.22	mg/kg
Benzo(a)pyrene	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	NT	NT	2.2	mg/kg
Chrysene	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	NT	NT	0.022	mg/kg
Fluoranthene	NT	NT	1,000	mg/kg
Fluorene	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	NT	NT	0.22	mg/kg
Napthalene	NT	NT	23	mg/kg
Pyrene	NT	NT	1,000	mg/kg
General Chemistry				
Chromium, Hexavalent	NT	NT	23	mg/kg
Chromium, Trivalent	NT	NT	120,000	mg/kg
Specific Conductivity	40	12	<4 or 2 x the background	mmhos/cm
pH	8.12	8.05	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



16-May-2019

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

Re: **Fee 122X Spill**

Work Order: **19050670**

Dear Tim,

ALS Environmental received 2 samples on 09-May-2019 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 10.

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 

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

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**Client:** Entrada Consulting Group  
**Project:** Fee 122X Spill  
**Work Order:** 19050670

## 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>
19050670-01	FEE122X-SS1	Soil		5/7/2019 11:50	5/9/2019 09:30	<input type="checkbox"/>
19050670-02	FEE122X-BG1	Soil		5/7/2019 11:55	5/9/2019 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>
°C	Degrees Celcius
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

**ALS Group, USA****Date:** 16-May-19

**Client:** Entrada Consulting Group  
**Project:** Fee 122X Spill  
**Sample ID:** FEE122X-SS1  
**Collection Date:** 5/7/2019 11:50 AM

**Work Order:** 19050670  
**Lab ID:** 19050670-01  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<b>SOLUBLE CATIONS FOR SAR</b>							
			Method: <b>SW6020A</b>		Prep: USDA Method 20B / 5/16/19		Analyst: <b>STP</b>
Calcium	1,000		0.86	5.0	mg/L	10	5/16/2019 13:33
Magnesium	600		0.068	2.0	mg/L	10	5/16/2019 13:33
Sodium	5,700		3.4	20	mg/L	100	5/16/2019 13:51
<b>SODIUM ADSORPTION RATIO</b>							
			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 5/16/19		Analyst: <b>STP</b>
Sodium Adsorption Ratio	35		0.010	0.010	none	1	5/16/2019
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>							
			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 5/16/19		Analyst: <b>DVD</b>
Electrical Conductivity @ Saturation	40		0.011	0.10	mmhos/cm @25°	20	5/16/2019 16:15
<b>PH</b>							
			Method: <b>SW9045D</b>		Prep: EXTRACT / 5/10/19		Analyst: <b>DVD</b>
pH	8.12		0.10	0.100	s.u.	1	5/10/2019 12:30
Temperature	21.3		0.10	0.100	°C	1	5/10/2019 12:30

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

**ALS Group, USA****Date:** 16-May-19

**Client:** Entrada Consulting Group  
**Project:** Fee 122X Spill  
**Sample ID:** FEE122X-BG1  
**Collection Date:** 5/7/2019 11:55 AM

**Work Order:** 19050670  
**Lab ID:** 19050670-02  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>							
<b>SOLUBLE CATIONS FOR SAR</b>			Method: <b>SW6020A</b>		Prep: USDA Method 20B / 5/16/19		Analyst: <b>STP</b>
Calcium	1,900		8.6	50	mg/L	100	5/16/2019 13:52
Magnesium	99		0.068	2.0	mg/L	10	5/16/2019 13:35
Sodium	440		0.34	2.0	mg/L	10	5/16/2019 13:35
<b>SODIUM ADSORPTION RATIO</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 5/16/19		Analyst: <b>STP</b>
Sodium Adsorption Ratio	2.7		0.010	0.010	none	1	5/16/2019
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 5/16/19		Analyst: <b>DVD</b>
Electrical Conductivity @ Saturation	12		0.011	0.10	mmhos/cm @25°	20	5/16/2019 16:15
<b>PH</b>			Method: <b>SW9045D</b>		Prep: EXTRACT / 5/10/19		Analyst: <b>DVD</b>
pH	8.05		0.10	0.100	s.u.	1	5/10/2019 12:30
Temperature	21.2		0.10	0.100	°C	1	5/10/2019 12:30

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

**Client:** Entrada Consulting Group  
**Work Order:** 19050670  
**Project:** Fee 122X Spill

# QC BATCH REPORT

Batch ID: **136102** Instrument ID **ICPMS3** Method: **SW6020A**

DUP		Sample ID: 19050670-02A DUP				Units: mg/L		Analysis Date: 5/16/2019 01:36 PM		
Client ID: FEE122X-BG1		Run ID: ICPMS3_190516A				SeqNo: 5661150		Prep Date: 5/16/2019		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	96.49	2.0	0	0	0	0-0	96.01	0.5		
Sodium	440.2	2.0	0	0	0	0-0	437	0.715		

DUP		Sample ID: 19050670-02A DUP				Units: mg/L		Analysis Date: 5/16/2019 01:54 PM		
Client ID: FEE122X-BG1		Run ID: ICPMS3_190516A				SeqNo: 5661161		Prep Date: 5/16/2019		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	1772	50	0	0	0	0-0	1852	4.42		

The following samples were analyzed in this batch:

19050670-01A	19050670-02A
--------------	--------------

Batch ID: **136102** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP		Sample ID: 19050670-02A DUP				Units: none		Analysis Date: 5/16/2019		
Client ID: FEE122X-BG1		Run ID: SAR_190516A				SeqNo: 5660825		Prep Date: 5/16/2019		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	2.758	0.010	0	0	0		2.671	3.21	50	

The following samples were analyzed in this batch:

19050670-01A	19050670-02A
--------------	--------------

**Client:** Entrada Consulting Group  
**Work Order:** 19050670  
**Project:** Fee 122X Spill

## QC BATCH REPORT

Batch ID: **135839** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-135839-135839				Units: s.u.		Analysis Date: 5/10/2019 12:30 PM		
Client ID:		Run ID: WETCHEM_190510E		SeqNo: 5651090		Prep Date: 5/10/2019		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	3.98	0.10	4	0	99.5	90-110	0			

DUP				Sample ID: 19050643-01A DUP				Units: s.u.			Analysis Date: 5/10/2019 12:30 PM			
Client ID:				Run ID: WETCHEM_190510E				SeqNo: 5651092			Prep Date: 5/10/2019		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		9.19	0.10	0	0	0	0-0	9.21	0.217	20				
Temperature		21.2	0.10	0	0	0		21.5	1.41					

The following samples were analyzed in this batch:

19050670-01A	19050670-02A
--------------	--------------

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

**Client:** Entrada Consulting Group  
**Work Order:** 19050670  
**Project:** Fee 122X Spill

## QC BATCH REPORT

Batch ID: **136102** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

<b>DUP</b>		Sample ID: <b>19050670-02A DUP</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>5/16/2019 04:15 PM</b>		
Client ID: <b>FEE122X-BG1</b>		Run ID: <b>WETCHEM_190516M</b>				SeqNo: <b>5661973</b>		Prep Date: <b>5/16/2019</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	12.18	0.10	0	0	0		12.06	0.99	50	

The following samples were analyzed in this batch:

19050670-01A	19050670-02A
--------------	--------------

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



# Chain of Custody Form

Page 1 of 1

COC ID: 123456

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Cincinnati, OH<br>+1 513 733 5336   | <input checked="" type="checkbox"/> Holland, MI<br>+1 616 399 6070 | <input type="checkbox"/> Salt Lake City, UT<br>+1 801 266 7700 |
| <input type="checkbox"/> Everett, WA<br>+1 425 356 2600      | <input type="checkbox"/> Houston, TX<br>+1 281 530 5656            | <input type="checkbox"/> Spring City, PA<br>+1 610 948 4903    |
| <input type="checkbox"/> Fort Collins, CO<br>+1 970 490 1511 | <input type="checkbox"/> Middletown, PA<br>+1 717 944 5541         | <input type="checkbox"/> York, PA<br>+1 717 505 5280           |

<b>ALS Project Manager:</b>				<b>Work Order #:</b> <u>19050670</u>															
<b>Customer Information</b>				<b>Project Information</b>				<b>Parameter/Method Request for Analysis</b>											
Purchase Order				Project Name		Fee122X Spill		A		TPH (GRO & DRO)									
Work Order				Project Number		018-065		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, Suite C		Address				E		Sodium Adsorption Ratio									
City/State/Zip		Grand Junction, CO 81501		City/State/Zip				F		pH									
Phone		970.270.2986		Phone				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											
								J											

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	FEE122X-SS1	05/07/19	1150	Soil	8	1				X	X	X					
2	FEE122X-BG1	05/07/19	1155	Soil	8	1				X	X	X					
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

<b>Sampler(s): Please Print &amp; Sign</b> Tim Dobransky			<b>Shipment Method:</b> FedEx		<b>Required Turnaround Time:</b> <input type="checkbox"/> STD 10 Wk Days <input checked="" type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour			<b>Results Due Date:</b>		
<b>Relinquished by:</b> 		<b>Date:</b> 5/8/19	<b>Time:</b> 1100	<b>Received by:</b> 		<b>Notes:</b> Chevron Pricing Applies - Per Bruce Schlatter				
<b>Relinquished by:</b> 		<b>Date:</b> 5-8-19	<b>Time:</b> 1830	<b>Received by (Laboratory):</b> 5/9/19 0938		<b>QC Package: (Check Box Below)</b>				
<b>Logged by (Laboratory):</b> DFS		<b>Date:</b> 5/9/19	<b>Time:</b> 1600	<b>Checked by (Laboratory):</b> 		<b>Cooler Temp.</b> 3.6°		<input checked="" type="checkbox"/> Level II: Standard QC		
								<input type="checkbox"/> Level III: Std QC + Raw Data		
								<input type="checkbox"/> Level IV: SW846 CLP-Like		
<b>Preservative Key:</b> 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035								<b>Other:</b>		

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

Copyright 2011 by ALS Group

Sample Receipt Checklist

Client Name: **ENTRADA**

Date/Time Received: **09-May-19 09:30**

Work Order: **19050670**

Received by: **DS**

Checklist completed by Diane Shaw  
eSignature

09-May-19  
Date

Reviewed by: Chad Whelton  
eSignature

10-May-19  
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>3.6/3.6 c</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>5/9/2019 4:10:08 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: