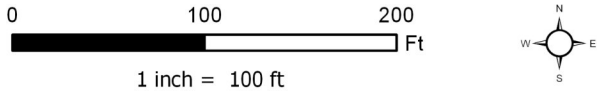



**Legend**  
● Origin    ● Soil Sample Location    - - - Spill Path    ▨ Spill Area



Project No: 018-065	UP 69-27 Spill Chevron USA, Inc. Rio Blanco County, Colorado SW/4 Sec 27 T2S R102W	 <div>330 Grand Avenue, Unit C Grand Junction, CO 81501 970-549-1015</div>	Figure
Map By: NDB			1
Date: 12-10-2018			

**Table 1**  
**UP 69-27 Spill**  
**Soil Data Summary**

SAMPLE SUMMARY								
Location Description	UP 69-27 Spill							
Sample Type	Soil							

LABORATORY DATA SUMMARY								
Sample ID	UP6927-SS1	UP6927-SS1	UP6927-SS2	UP6927-SS2	UP6927-BG1	UP6927-BG2	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"		
Sample Date	11/8/2018	5/21/2020	11/8/2018	5/21/2020	11/8/2018	5/21/2020		
Analytical Parameters								
TPH								
TPH Gasoline Range Organics	<2.4	NT	<2.5	NT	NT	NT	500	mg/kg
TPH Diesel Range Organics	<3.0	NT	<3.0	NT	NT	NT		
BTEX								
Benzene	<0.0058	NT	<0.0061	NT	NT	NT	0.17	mg/kg
Toluene	<0.0093	NT	<0.0098	NT	NT	NT	85	mg/kg
Ethylbenzene	<0.0072	NT	<0.0076	NT	NT	NT	100	mg/kg
Total Xylene	<0.029	NT	<0.031	NT	NT	NT	175	mg/kg
Metals								
Arsenic	5.3	NT	5.1	NT	5.0	NT	0.39	mg/kg
Barium	190	NT	140	NT	120	NT	15,000	mg/kg
Cadmium	0.18 J	NT	0.19 J	NT	0.17 J	NT	70	mg/kg
Chromium	13	NT	13	NT	11	NT	NA	mg/kg
Copper	18	NT	16	NT	15	NT	3,100	mg/kg
Lead	13	NT	14	NT	12	NT	400	mg/kg
Mercury	0.026	NT	0.036	NT	0.045	NT	23	mg/kg
Nickel	14	NT	15	NT	15	NT	1,600	mg/kg
Selenium	0.75	NT	0.78 J	NT	0.94	NT	390	mg/kg
Silver	<0.043	NT	<0.054	NT	<0.051	NT	390	mg/kg
Zinc	75	NT	71	NT	75	NT	23,000	mg/kg
SAR Metals Analysis								
Calcium	530	60	1300	2000	510	160	NA	mg/L
Magnesium	45	8.2	78	46	32	12	NA	mg/L
Sodium	1800	25	2200	49	1400	19	NA	mg/L
Sodium Adsorption Ratio	20	0.81	16	0.30	16	0.39	<12	ratio
Polynuclear Aromatic Hydrocarbons								
Acenaphthene	<0.0051	NT	<0.0051	NT	NT	NT	1,000	mg/kg
Anthracene	<0.0050	NT	<0.0049	NT	NT	NT	1,000	mg/kg
Benzo(a)anthracene	<0.0061	NT	<0.0061	NT	NT	NT	0.22	mg/kg
Benzo(a)pyrene	<0.0043	NT	<0.0043	NT	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	<0.0053	NT	<0.0052	NT	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	<0.0054	NT	<0.0053	NT	NT	NT	2.2	mg/kg
Chrysene	<0.0057	NT	<0.0057	NT	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	<0.0038	NT	<0.0038	NT	NT	NT	0.022	mg/kg
Fluoranthene	<0.0034	NT	<0.0034	NT	NT	NT	1,000	mg/kg
Fluorene	<0.0051	NT	<0.0051	NT	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	<0.0049	NT	<0.0049	NT	NT	NT	0.22	mg/kg
Napthalene	<0.0045	NT	<0.0045	NT	NT	NT	23	mg/kg
Pyrene	<0.0013	NT	<0.0013	NT	NT	NT	1,000	mg/kg
General Chemistry								
Chromium, Hexavalent	<0.32	NT	0.36 J	NT	<0.34	NT	23	mg/kg
Chromium, Trivalent	13	NT	12	NT	11	NT	120,000	mg/kg
Specific Conductivity	11	0.46	18	11	9.8	0.93	<4 or 2 x the background	mmhos/cm
pH	8.43	NT	8.24	NT	8.35	NT	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



30-Nov-2018

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

Re: **UP 69-27 Spill**

Work Order: **1811788**

Dear Tim,

ALS Environmental received 3 samples on 10-Nov-2018 10:00 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 29.

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 998501

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:** UP 69-27 Spill  
**Work Order:** 1811788

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**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>
1811788-01	UP6927-SS1	Soil		11/8/2018 11:20	11/10/2018 10:00	<input type="checkbox"/>
1811788-02	UP6927-SS2	Soil		11/8/2018 11:30	11/10/2018 10:00	<input type="checkbox"/>
1811788-03	UP6927-BG1	Soil		11/8/2018 11:35	11/10/2018 10:00	<input type="checkbox"/>

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**Client:** Entrada Consulting Group**Project:** UP 69-27 Spill**Work Order:** 1811788**Case Narrative**

---

Batch 128657, Method CR6\_7196\_S, Sample 1811788-01A MSD: The RPD between the MS and MSD was outside the control limit for Hexavalent Chromium. The corresponding result in the parent sample should be considered estimated.

<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: 30-Nov-18

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill  
**Sample ID:** UP6927-SS1  
**Collection Date:** 11/8/2018 11:20 AM

**Work Order:** 1811788  
**Lab ID:** 1811788-01  
**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 / 11/16/18		Analyst: <b>RP</b>
DRO (C10-C28)	U		3.0	5.3	mg/Kg-dry	1	11/17/2018 02:50
Surr: 4-Terphenyl-d14	78.3			33-111	%REC	1	11/17/2018 02:50
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>							
			Method: <b>SW8015D</b>		Prep: SW5035 / 11/14/18		Analyst: <b>RP</b>
GRO (C6-C10)	U		2.4	5.7	mg/Kg	1	11/16/2018 15:32
Surr: Toluene-d8	89.1			71-123	%REC	1	11/16/2018 15:32
<b>MERCURY BY CVAA</b>							
			Method: <b>SW7471B</b>		Prep: SW7471 / 11/13/18		Analyst: <b>RSB</b>
Mercury	0.026		0.0019	0.019	mg/Kg-dry	1	11/13/2018 18:12
<b>METALS ANALYSIS BY ICP</b>							
			Method: <b>SW846 6010C</b>		Prep: SW3050B / 11/15/18		Analyst: <b>ABL</b>
Arsenic	5.3		0.090	0.35	mg/Kg-dry	1	11/16/2018 01:14
Barium	190		0.14	0.35	mg/Kg-dry	1	11/16/2018 01:14
Cadmium	0.18	J	0.033	0.69	mg/Kg-dry	1	11/16/2018 01:14
Chromium	13		0.019	0.35	mg/Kg-dry	1	11/16/2018 01:14
Copper	18		0.15	0.69	mg/Kg-dry	1	11/16/2018 01:14
Lead	13		0.073	0.35	mg/Kg-dry	1	11/16/2018 01:14
Nickel	14		0.14	0.35	mg/Kg-dry	1	11/16/2018 01:14
Selenium	0.75		0.19	0.69	mg/Kg-dry	1	11/16/2018 01:14
Silver	U		0.043	0.35	mg/Kg-dry	1	11/16/2018 01:14
Zinc	75		0.069	0.87	mg/Kg-dry	1	11/27/2018 08:53
<b>SOLUBLE CATIONS FOR SAR</b>							
			Method: <b>SW6020A</b>		Prep: USDA Method 20B / 11/20/18		Analyst: <b>STP</b>
Calcium	530		1.7	10	mg/L	20	11/20/2018 14:32
Magnesium	45		0.14	4.0	mg/L	20	11/20/2018 14:32
Sodium	1,800		0.68	4.0	mg/L	20	11/20/2018 14:32
<b>SODIUM ADSORPTION RATIO</b>							
			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 11/20/18		Analyst: <b>STP</b>
Sodium Adsorption Ratio	20		0.010	0.010	none	1	11/20/2018
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>							
			Method: <b>SW846 8270D</b>		Prep: SW3546 / 11/16/18		Analyst: <b>KAW</b>
Acenaphthene	U		0.0051	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Anthracene	U		0.0050	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Benzo(a)anthracene	U		0.0061	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Benzo(a)pyrene	U		0.0043	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Benzo(b)fluoranthene	U		0.0053	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Benzo(k)fluoranthene	U		0.0054	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Chrysene	U		0.0057	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Dibenzo(a,h)anthracene	U		0.0038	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Fluoranthene	U		0.0034	0.0071	mg/Kg-dry	1	11/20/2018 03:37

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

# ALS Group, USA

Date: 30-Nov-18

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill  
**Sample ID:** UP6927-SS1  
**Collection Date:** 11/8/2018 11:20 AM

**Work Order:** 1811788  
**Lab ID:** 1811788-01  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0051	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Indeno(1,2,3-cd)pyrene	U		0.0049	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Naphthalene	U		0.0045	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Pyrene	U		0.0013	0.0071	mg/Kg-dry	1	11/20/2018 03:37
Surr: 2-Fluorobiphenyl	74.3			44-107	%REC	1	11/20/2018 03:37
Surr: 4-Terphenyl-d14	76.9			52-123	%REC	1	11/20/2018 03:37
Surr: Nitrobenzene-d5	60.8			41-94	%REC	1	11/20/2018 03:37
<b>VOLATILE ORGANIC COMPOUNDS</b>			Method: <b>SW8260C</b>		Prep: SW5035 / 11/14/18		Analyst: <b>AK</b>
Benzene	U		0.0058	0.034	mg/Kg	1	11/17/2018 09:17
Ethylbenzene	U		0.0072	0.034	mg/Kg	1	11/17/2018 09:17
m,p-Xylene	U		0.016	0.068	mg/Kg	1	11/17/2018 09:17
o-Xylene	U		0.013	0.034	mg/Kg	1	11/17/2018 09:17
Toluene	U		0.0093	0.034	mg/Kg	1	11/17/2018 09:17
Xylenes, Total	U		0.029	0.10	mg/Kg	1	11/17/2018 09:17
Surr: 1,2-Dichloroethane-d4	105			70-130	%REC	1	11/17/2018 09:17
Surr: 4-Bromofluorobenzene	93.0			70-130	%REC	1	11/17/2018 09:17
Surr: Dibromofluoromethane	83.1			70-130	%REC	1	11/17/2018 09:17
Surr: Toluene-d8	96.8			70-130	%REC	1	11/17/2018 09:17
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 11/20/18		Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	11		0.011	0.10	mmhos/cm @25°	20	11/21/2018 00:45
<b>CHROMIUM, TRIVALENT</b>			Method: <b>CALCULATION</b>				Analyst: <b>JB</b>
Chromium, Trivalent	13		0.33	1.1	mg/Kg-dry	1	11/29/2018 12:45
<b>CHROMIUM, HEXAVALENT</b>			Method: <b>SW7196A</b>		Prep: SW3060A / 11/28/18		Analyst: <b>JSH</b>
Chromium, Hexavalent	U		0.32	1.0	mg/Kg-dry	1	11/29/2018 16:00
<b>MOISTURE</b>			Method: <b>SW3550C</b>				Analyst: <b>JEB</b>
Moisture	6.5	B	0.025	0.050	% of sample	1	11/21/2018 08:28
<b>PH</b>			Method: <b>SW9045D</b>		Prep: EXTRACT / 11/13/18		Analyst: <b>JEB</b>
pH	8.43		0.10	0.100	s.u.	1	11/13/2018 16:40

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



# ALS Group, USA

Date: 30-Nov-18

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill  
**Sample ID:** UP6927-SS2  
**Collection Date:** 11/8/2018 11:30 AM

**Work Order:** 1811788  
**Lab ID:** 1811788-02  
**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 / 11/16/18		Analyst: <b>RP</b>
DRO (C10-C28)	U		3.0	5.3	mg/Kg-dry	1	11/17/2018 02:21
Surr: 4-Terphenyl-d14	62.9			33-111	%REC	1	11/17/2018 02:21
<b>GASOLINE RANGE ORGANICS BY GC-FID</b>							
			Method: <b>SW8015D</b>		Prep: SW5035 / 11/14/18		Analyst: <b>RP</b>
GRO (C6-C10)	U		2.5	6.0	mg/Kg	1	11/16/2018 16:01
Surr: Toluene-d8	88.9			71-123	%REC	1	11/16/2018 16:01
<b>MERCURY BY CVAA</b>							
			Method: <b>SW7471B</b>		Prep: SW7471 / 11/13/18		Analyst: <b>RSB</b>
Mercury	0.036		0.0020	0.020	mg/Kg-dry	1	11/13/2018 18:15
<b>METALS ANALYSIS BY ICP</b>							
			Method: <b>SW846 6010C</b>		Prep: SW3050B / 11/15/18		Analyst: <b>ABL</b>
Arsenic	5.1		0.11	0.43	mg/Kg-dry	1	11/16/2018 01:20
Barium	140		0.17	0.43	mg/Kg-dry	1	11/16/2018 01:20
Cadmium	0.19	J	0.041	0.86	mg/Kg-dry	1	11/16/2018 01:20
Chromium	13		0.024	0.43	mg/Kg-dry	1	11/16/2018 01:20
Copper	16		0.19	0.86	mg/Kg-dry	1	11/16/2018 01:20
Lead	14		0.092	0.43	mg/Kg-dry	1	11/16/2018 01:20
Nickel	15		0.17	0.43	mg/Kg-dry	1	11/16/2018 01:20
Selenium	0.78	J	0.24	0.86	mg/Kg-dry	1	11/16/2018 01:20
Silver	U		0.054	0.43	mg/Kg-dry	1	11/16/2018 01:20
Zinc	71		0.060	0.75	mg/Kg-dry	1	11/27/2018 08:59
<b>SOLUBLE CATIONS FOR SAR</b>							
			Method: <b>SW6020A</b>		Prep: USDA Method 20B / 11/20/18		Analyst: <b>STP</b>
Calcium	1,300		1.7	10	mg/L	20	11/20/2018 14:34
Magnesium	78		0.14	4.0	mg/L	20	11/20/2018 14:34
Sodium	2,200		0.68	4.0	mg/L	20	11/20/2018 14:34
<b>SODIUM ADSORPTION RATIO</b>							
			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 11/20/18		Analyst: <b>STP</b>
Sodium Adsorption Ratio	16		0.010	0.010	none	1	11/20/2018
<b>SEMI-VOLATILE ORGANIC COMPOUNDS</b>							
			Method: <b>SW846 8270D</b>		Prep: SW3546 / 11/16/18		Analyst: <b>KAW</b>
Acenaphthene	U		0.0051	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Anthracene	U		0.0049	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Benzo(a)anthracene	U		0.0061	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Benzo(a)pyrene	U		0.0043	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Benzo(b)fluoranthene	U		0.0052	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Benzo(k)fluoranthene	U		0.0053	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Chrysene	U		0.0057	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Dibenzo(a,h)anthracene	U		0.0038	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Fluoranthene	U		0.0034	0.0070	mg/Kg-dry	1	11/20/2018 04:00

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

# ALS Group, USA

Date: 30-Nov-18

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill  
**Sample ID:** UP6927-SS2  
**Collection Date:** 11/8/2018 11:30 AM

**Work Order:** 1811788  
**Lab ID:** 1811788-02  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0051	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Indeno(1,2,3-cd)pyrene	U		0.0049	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Naphthalene	U		0.0045	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Pyrene	U		0.0013	0.0070	mg/Kg-dry	1	11/20/2018 04:00
Surr: 2-Fluorobiphenyl	50.7			44-107	%REC	1	11/20/2018 04:00
Surr: 4-Terphenyl-d14	54.0			52-123	%REC	1	11/20/2018 04:00
Surr: Nitrobenzene-d5	42.8			41-94	%REC	1	11/20/2018 04:00
<b>VOLATILE ORGANIC COMPOUNDS</b>			Method: <b>SW8260C</b>		Prep: SW5035 / 11/14/18		Analyst: <b>LSY</b>
Benzene	U		0.0061	0.036	mg/Kg	1	11/20/2018 05:47
Ethylbenzene	U		0.0076	0.036	mg/Kg	1	11/20/2018 05:47
m,p-Xylene	U		0.017	0.072	mg/Kg	1	11/20/2018 05:47
o-Xylene	U		0.014	0.036	mg/Kg	1	11/20/2018 05:47
Toluene	U		0.0098	0.036	mg/Kg	1	11/20/2018 05:47
Xylenes, Total	U		0.031	0.11	mg/Kg	1	11/20/2018 05:47
Surr: 1,2-Dichloroethane-d4	109			70-130	%REC	1	11/20/2018 05:47
Surr: 4-Bromofluorobenzene	96.2			70-130	%REC	1	11/20/2018 05:47
Surr: Dibromofluoromethane	87.8			70-130	%REC	1	11/20/2018 05:47
Surr: Toluene-d8	96.2			70-130	%REC	1	11/20/2018 05:47
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 11/20/18		Analyst: <b>JB</b>
Electrical Conductivity @ Saturation	18		0.011	0.10	mmhos/cm @25°	20	11/21/2018 00:45
<b>CHROMIUM, TRIVALENT</b>			Method: <b>CALCULATION</b>				Analyst: <b>JB</b>
Chromium, Trivalent	12		0.34	1.1	mg/Kg-dry	1	11/29/2018 12:45
<b>CHROMIUM, HEXAVALENT</b>			Method: <b>SW7196A</b>		Prep: SW3060A / 11/28/18		Analyst: <b>JSH</b>
Chromium, Hexavalent	0.36	J	0.33	1.1	mg/Kg-dry	1	11/29/2018 16:00
<b>MOISTURE</b>			Method: <b>SW3550C</b>				Analyst: <b>RBS</b>
Moisture	9.0		0.025	0.050	% of sample	1	11/21/2018 10:28
<b>PH</b>			Method: <b>SW9045D</b>		Prep: EXTRACT / 11/13/18		Analyst: <b>JEB</b>
pH	8.24		0.10	0.100	s.u.	1	11/13/2018 16:40

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

# ALS Group, USA

Date: 30-Nov-18

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill  
**Sample ID:** UP6927-BG1  
**Collection Date:** 11/8/2018 11:35 AM

**Work Order:** 1811788  
**Lab ID:** 1811788-03  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<b>MERCURY BY CVAA</b>							
Mercury	0.045		0.0021	0.021	mg/Kg-dry	1	11/13/2018 18:24
Method: SW7471B Prep: SW7471 / 11/13/18 Analyst: RSH							
<b>METALS ANALYSIS BY ICP</b>							
Arsenic	5.0		0.11	0.41	mg/Kg-dry	1	11/16/2018 01:26
Barium	120		0.16	0.41	mg/Kg-dry	1	11/16/2018 01:26
Cadmium	0.17	J	0.039	0.82	mg/Kg-dry	1	11/16/2018 01:26
Chromium	11		0.023	0.41	mg/Kg-dry	1	11/16/2018 01:26
Copper	15		0.18	0.82	mg/Kg-dry	1	11/16/2018 01:26
Lead	12		0.087	0.41	mg/Kg-dry	1	11/16/2018 01:26
Nickel	15		0.16	0.41	mg/Kg-dry	1	11/16/2018 01:26
Selenium	0.94		0.23	0.82	mg/Kg-dry	1	11/16/2018 01:26
Silver	U		0.051	0.41	mg/Kg-dry	1	11/16/2018 01:26
Zinc	75		0.064	0.80	mg/Kg-dry	1	11/27/2018 09:05
Method: SW846 6010C Prep: SW3050B / 11/15/18 Analyst: ABL							
<b>SOLUBLE CATIONS FOR SAR</b>							
Calcium	510		1.7	10	mg/L	20	11/20/2018 14:35
Magnesium	32		0.14	4.0	mg/L	20	11/20/2018 14:35
Sodium	1,400		0.68	4.0	mg/L	20	11/20/2018 14:35
Method: SW6020A Prep: USDA Method 20B / 11/20/18 Analyst: STP							
<b>SODIUM ADSORPTION RATIO</b>							
Sodium Adsorption Ratio	16		0.010	0.010	none	1	11/20/2018
Method: USDA H60 METHOD 2 Prep: USDA Method 20B / 11/20/18 Analyst: JB							
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>							
Electrical Conductivity @ Saturation	9.8		0.011	0.10	mmhos/cm @25°	20	11/21/2018 00:45
Method: CALCULATION Prep: SW3060A / 11/28/18 Analyst: JSH							
<b>CHROMIUM, TRIVALENT</b>							
Chromium, Trivalent	11		0.34	1.1	mg/Kg-dry	1	11/29/2018 12:45
Method: SW7196A Prep: SW3060A / 11/28/18 Analyst: JSH							
<b>CHROMIUM, HEXAVALENT</b>							
Chromium, Hexavalent	U		0.34	1.1	mg/Kg-dry	1	11/29/2018 16:00
Method: SW3550C Prep: EXTRACT / 11/13/18 Analyst: JEB							
<b>MOISTURE</b>							
Moisture	9.9		0.025	0.050	% of sample	1	11/21/2018 10:28
<b>PH</b>							
pH	8.35		0.10	0.100	s.u.	1	11/13/2018 16:40

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

# QC BATCH REPORT

Batch ID: **128034** Instrument ID **GC8** Method: **SW8015M**

<b>MBLK</b>		Sample ID: <b>DBLKS1-128034-128034</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/16/2018 09:30 PM</b>		
Client ID:		Run ID: <b>GC8_181116A</b>				SeqNo: <b>5393368</b>		Prep Date: <b>11/16/2018</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								
Surr: 4-Terphenyl-d14	3.221	0	3.33	0	96.7	33-111		0		

<b>LCS</b>		Sample ID: <b>DLCSS1-128034-128034</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/16/2018 10:28 PM</b>		
Client ID:		Run ID: <b>GC8_181116A</b>				SeqNo: <b>5393369</b>		Prep Date: <b>11/16/2018</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)	230.3	5.0	333	0	69.2	58-111		0		
Surr: 4-Terphenyl-d14	2.919	0	3.33	0	87.6	33-111		0		

<b>MS</b>		Sample ID: <b>1811784-02A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/16/2018 10:57 PM</b>		
Client ID:		Run ID: <b>GC8_181116A</b>				SeqNo: <b>5393370</b>		Prep Date: <b>11/16/2018</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)	209.6	4.7	312.2	0	67.1	58-111		0		
Surr: 4-Terphenyl-d14	2.663	0	3.122	0	85.3	33-111		0		

<b>MSD</b>		Sample ID: <b>1811784-02A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/16/2018 11:26 PM</b>		
Client ID:		Run ID: <b>GC8_181116A</b>				SeqNo: <b>5393371</b>		Prep Date: <b>11/16/2018</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)	218	4.8	319.1	0	68.3	58-111	209.6	3.94	30	
Surr: 4-Terphenyl-d14	2.583	0	3.191	0	81	33-111	2.663	3.05	30	

The following samples were analyzed in this batch:

1811788-01A	1811788-02A
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**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **127949** Instrument ID **GC9** Method: **SW8015D**

<b>MBLK</b>		Sample ID: <b>MBLK-127949-127949</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/15/2018 08:11 PM</b>		
Client ID:		Run ID: <b>GC9_181115A</b>				SeqNo: <b>5389781</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
GRO (C6-C10)	U	5,000								
<i>Surr: Toluene-d8</i>	4382	0	5000	0	87.6	71-123	0			

<b>LCS</b>		Sample ID: <b>LCS-127949-127949</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/15/2018 05:16 PM</b>		
Client ID:		Run ID: <b>GC9_181115A</b>				SeqNo: <b>5389775</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
GRO (C6-C10)	482200	5,000	500000	0	96.4	71-123	0			
<i>Surr: Toluene-d8</i>	5575	0	5000	0	112	71-123	0			

<b>MS</b>		Sample ID: <b>1811788-01A MS</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/17/2018 03:07 A</b>		
Client ID: <b>UP6927-SS1</b>		Run ID: <b>GC9_181115A</b>				SeqNo: <b>5393609</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
GRO (C6-C10)	594200	5,700	569500	0	104	71-123	0			
<i>Surr: Toluene-d8</i>	5679	0	5695	0	99.7	71-123	0			

<b>MSD</b>		Sample ID: <b>1811788-01A MSD</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/17/2018 03:36 A</b>		
Client ID: <b>UP6927-SS1</b>		Run ID: <b>GC9_181115A</b>				SeqNo: <b>5393611</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
GRO (C6-C10)	591900	5,700	569500	0	104	71-123	594200	0.38	30	
<i>Surr: Toluene-d8</i>	5942	0	5695	0	104	71-123	5679	4.54	30	

The following samples were analyzed in this batch:

1811788-01A	1811788-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **127858** Instrument ID **HG4** Method: **SW7471B**

MBLK				Sample ID: MBLK-127858-127858				Units: mg/Kg			Analysis Date: 11/13/2018 05:40 PM			
Client ID:				Run ID: HG4_181113A				SeqNo: 5384323			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				
Mercury	0.008083	0.020								J				

LCS				Sample ID: LCS-127858-127858				Units: mg/Kg			Analysis Date: 11/13/2018 05:43 PM			
Client ID:				Run ID: HG4_181113A				SeqNo: 5384324			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				
Mercury	0.1932	0.020	0.1665	0	116	80-120	0							

MS				Sample ID: 1811791-03B MS				Units: mg/Kg			Analysis Date: 11/13/2018 06:34 PM			
Client ID:				Run ID: HG4_181113A				SeqNo: 5384345			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			
Mercury		0.1674	0.016	0.1323	0.06596	76.7	75-125	0						

MSD				Sample ID: 1811791-03B MSD				Units: mg/Kg			Analysis Date: 11/13/2018 06:37 PM			
Client ID:				Run ID: HG4_181113A				SeqNo: 5384346			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				
Mercury	0.1631	0.016	0.1325	0.06596	73.3	75-125	0.1674	2.63	35	S				

The following samples were analyzed in this batch:

1811788-01A	1811788-02A	1811788-03A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **128067** Instrument ID **ICP2** Method: **SW846 6010C**

MBLK				Sample ID: MBLK-128067-128067				Units: mg/Kg		Analysis Date: 11/15/2018 11:47 PM	
Client ID:			Run ID: ICP2_181115A			SeqNo: 5388375		Prep Date: 11/15/2018		DF: 1	
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	0.03678	0.25								J	
Copper	U	0.50									
Lead	U	0.25									
Nickel	U	0.25									
Selenium	U	0.50									
Silver	U	0.25									
Zinc	0.1502	0.50								J	

LCS					Sample ID: LCS-128067-128067			Units: mg/Kg		Analysis Date: 11/16/2018 01:57 PM	
Client ID:			Run ID: ICP2_181116A			SeqNo: 5391889		Prep Date: 11/15/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	4.378	0.24	4.822	0	90.8	80-120	0				
Barium	4.431	0.24	4.822	0	91.9	80-120	0				
Cadmium	4.711	0.48	4.822	0	97.7	80-120	0				
Chromium	5.3	0.24	4.822	0	110	80-120	0				
Copper	4.824	0.48	4.822	0	100	80-120	0				
Lead	4.706	0.24	4.822	0	97.6	80-120	0				
Nickel	4.802	0.24	4.822	0	99.6	80-120	0				
Selenium	4.378	0.48	4.822	0	90.8	80-120	0				
Silver	4.807	0.24	4.822	0	99.7	80-120	0				

MS					Sample ID: 1811977-01AMS			Units: mg/Kg		Analysis Date: 11/16/2018 06:17 PM	
Client ID:			Run ID: ICP2_181116A			SeqNo: 5391981		Prep Date: 11/15/2018		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	17.37	3.7	7.418	10.83	88.1	75-125	0				
Barium	8.457	3.7	7.418	1.635	92	75-125	0				
Cadmium	7.04	7.4	7.418	-0.2872	98.8	75-125	0			J	
Copper	8.754	7.4	7.418	3.667	68.6	75-125	0			S	
Lead	U	3.7	7.418	-21.54	290	75-125	0			S	
Nickel	14.99	3.7	7.418	9.027	80.3	75-125	0				
Selenium	25	7.4	7.418	16.41	116	75-125	0				
Silver	35.61	3.7	7.418	28.97	89.4	75-125	0				

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **128067** Instrument ID **ICP2** Method: **SW846 6010C**

<b>MS</b>		Sample ID: <b>1811977-01AMS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/21/2018 03:38 PM</b>		
Client ID:		Run ID: <b>ICP2_181121A</b>				SeqNo: <b>5401298</b>		Prep Date: <b>11/15/2018</b>		DF: <b>100</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	4965	37	7.418	4909	755	75-125	0			SO

<b>MSD</b>		Sample ID: <b>1811977-01AMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/16/2018 06:23 PM</b>		
Client ID:		Run ID: <b>ICP2_181116A</b>				SeqNo: <b>5391982</b>		Prep Date: <b>11/15/2018</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	17.19	3.9	7.776	10.83	81.7	75-125	17.37	1.08	20	
Barium	7.667	3.9	7.776	1.635	77.6	75-125	8.457	9.8	20	
Cadmium	7.076	7.8	7.776	-0.2872	94.7	75-125	7.04	0	20	J
Copper	8.701	7.8	7.776	3.667	64.7	75-125	8.754	0.608	20	S
Lead	U	3.9	7.776	-21.54	277	75-125	-16.02	0	20	S
Nickel	14.46	3.9	7.776	9.027	69.9	75-125	14.99	3.54	20	S
Selenium	24.65	7.8	7.776	16.41	106	75-125	25	1.41	20	
Silver	34.84	3.9	7.776	28.97	75.4	75-125	35.61	2.19	20	

<b>MSD</b>		Sample ID: <b>1811977-01AMSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/21/2018 03:44 PM</b>		
Client ID:		Run ID: <b>ICP2_181121A</b>				SeqNo: <b>5401300</b>		Prep Date: <b>11/15/2018</b>		DF: <b>100</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	4919	39	7.776	4909	133	75-125	4965	0.924	20	SO

The following samples were analyzed in this batch:

1811788-01A	1811788-02A	1811788-03A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



Client: Entrada Consulting Group  
 Work Order: 1811788  
 Project: UP 69-27 Spill

## QC BATCH REPORT

Batch ID: 128419 Instrument ID ICP2 Method: SW846 6010C

MBLK				Sample ID: MBLK-128419-128419				Units: mg/Kg			Analysis Date: 11/27/2018 06:20 A			
Client ID:				Run ID: ICP2_181126A				SeqNo: 5404153			Prep Date: 11/26/2018		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Zinc		0.097	0.50								J			

LCS				Sample ID: LCS-128419-128419				Units: mg/Kg			Analysis Date: 11/27/2018 06:26 A			
Client ID:				Run ID: ICP2_181126A				SeqNo: 5404154			Prep Date: 11/26/2018		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Zinc		4.8	0.50	5	0	96	80-120	0						

MS		Sample ID: 18111420-01AMS					Units: mg/Kg		Analysis Date: 11/27/2018 07:17 A		
Client ID:			Run ID: ICP2_181126A			SeqNo: 5404171		Prep Date: 11/26/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Zinc	3548	0.77	7.669	3631	-1080	75-125	0			SEO	

MSD		Sample ID: 18111420-01AMSD					Units: mg/Kg		Analysis Date: 11/27/2018 07:24 A		
Client ID:		Run ID: ICP2_181126A			SeqNo: 5404172		Prep Date: 11/26/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Zinc	3690	0.76	7.634	3631	778	75-125	3548	3.94	20	SEO	

The following samples were analyzed in this batch:

1811788-01A	1811788-02A	1811788-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **128282** Instrument ID **ICPMS3** Method: **SW6020A**

<b>DUP</b>		Sample ID: <b>1811786-01BDUP</b>				Units: <b>mg/L</b>		Analysis Date: <b>11/20/2018 02:27 PM</b>		
Client ID:		Run ID: <b>ICPMS3_181120A</b>				SeqNo: <b>5396482</b>		Prep Date: <b>11/20/2018</b>		DF: <b>20</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	795	10	0	0	0	0-0	742.6	6.82		
Magnesium	1173	4.0	0	0	0	0-0	974.1	18.5		

<b>DUP</b>		Sample ID: <b>1811786-01BDUP</b>				Units: <b>mg/L</b>		Analysis Date: <b>11/20/2018 06:37 PM</b>		
Client ID:		Run ID: <b>ICPMS3_181120A</b>				SeqNo: <b>5397802</b>		Prep Date: <b>11/20/2018</b>		DF: <b>200</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	14010	40	0	0	0	0-0	12280	13.2		

The following samples were analyzed in this batch:

1811788-01B 1811788-02B 1811788-03B

Batch ID: **128282** Instrument ID **SAR** Method: **USDA H60 Metho**

<b>DUP</b>		Sample ID: <b>1811786-01BDUP</b>				Units: <b>none</b>		Analysis Date: <b>11/20/2018</b>		
Client ID:		Run ID: <b>SAR_181120A</b>				SeqNo: <b>5395498</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
Sodium Adsorption Ratio	73.87	0.010	0	0	0		69.79	5.68	50	

The following samples were analyzed in this batch:

1811788-01B 1811788-02B 1811788-03B

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

Client: Entrada Consulting Group  
 Work Order: 1811788  
 Project: UP 69-27 Spill

## QC BATCH REPORT

Batch ID: 128033 Instrument ID SVMS5 Method: SW846 8270D

MBLK		Sample ID: SBLKS1-128033-128033				Units: µg/Kg		Analysis Date: 11/16/2018 06:56 PM		
Client ID:		Run ID: SVMS5_181116A				SeqNo: 5392839		Prep Date: 11/16/2018		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	2679	0	3333	0	80.4	44-107	0			
Surr: 4-Terphenyl-d14	2527	0	3333	0	75.8	52-123	0			
Surr: Nitrobenzene-d5	2234	0	3333	0	67	41-94	0			

LCS		Sample ID: SLCSS1-128033-128033				Units: µg/Kg		Analysis Date: 11/16/2018 07:19 PM		
Client ID:		Run ID: SVMS5_181116A				SeqNo: 5392849		Prep Date: 11/16/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1079	6.7	1333	0	81	55-101	0			
Anthracene	1051	6.7	1333	0	78.8	67-105	0			
Benzo(a)anthracene	1111	6.7	1333	0	83.4	68-105	0			
Benzo(a)pyrene	1052	6.7	1333	0	78.9	68-110	0			
Benzo(b)fluoranthene	1120	6.7	1333	0	84	65-110	0			
Benzo(k)fluoranthene	1124	6.7	1333	0	84.3	66-113	0			
Chrysene	1087	6.7	1333	0	81.6	68-108	0			
Dibenzo(a,h)anthracene	1104	6.7	1333	0	82.8	62-119	0			
Fluoranthene	1061	6.7	1333	0	79.6	67-106	0			
Fluorene	1124	6.7	1333	0	84.3	59-107	0			
Indeno(1,2,3-cd)pyrene	1024	6.7	1333	0	76.8	56-120	0			
Naphthalene	870	6.7	1333	0	65.3	46-98	0			
Pyrene	1173	6.7	1333	0	88	60-119	0			
Surr: 2-Fluorobiphenyl	2576	0	3333	0	77.3	44-107	0			
Surr: 4-Terphenyl-d14	2799	0	3333	0	84	52-123	0			
Surr: Nitrobenzene-d5	2069	0	3333	0	62.1	41-94	0			

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

# QC BATCH REPORT

Batch ID: **128033** Instrument ID **SVMS5** Method: **SW846 8270D**

MS				Sample ID: <b>1811784-02A MS</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>11/16/2018 08:30 PM</b>	
Client ID:				Run ID: <b>SVMS5_181116A</b>			SeqNo: <b>5392850</b>		Prep Date: <b>11/16/2018</b>	
									DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1055	6.5	1303	0	81	55-101	0			
Anthracene	1002	6.5	1303	0	76.9	67-105	0			
Benzo(a)anthracene	1068	6.5	1303	0	82	68-105	0			
Benzo(a)pyrene	1034	6.5	1303	0	79.4	68-110	0			
Benzo(b)fluoranthene	1125	6.5	1303	0	86.4	65-110	0			
Benzo(k)fluoranthene	1111	6.5	1303	0	85.3	66-113	0			
Chrysene	1001	6.5	1303	0	76.9	68-108	0			
Dibenzo(a,h)anthracene	997.5	6.5	1303	0	76.6	62-119	0			
Fluoranthene	935.6	6.5	1303	0	71.8	67-106	0			
Fluorene	1093	6.5	1303	0	83.9	59-107	0			
Indeno(1,2,3-cd)pyrene	1055	6.5	1303	0	81	56-120	0			
Naphthalene	880.8	6.5	1303	0	67.6	46-98	0			
Pyrene	1056	6.5	1303	0	81.1	60-119	0			
Surr: 2-Fluorobiphenyl	2259	0	3257	0	69.3	44-107	0			
Surr: 4-Terphenyl-d14	2532	0	3257	0	77.7	52-123	0			
Surr: Nitrobenzene-d5	2615	0	3257	0	80.3	41-94	0			

MSD				Sample ID: <b>1811784-02A MSD</b>			Units: <b>µg/Kg</b>		Analysis Date: <b>11/16/2018 08:54 PM</b>	
Client ID:				Run ID: <b>SVMS5_181116A</b>			SeqNo: <b>5392851</b>		Prep Date: <b>11/16/2018</b>	
									DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	953.8	6.5	1293	0	73.8	55-101	1055	10.1	30	
Anthracene	996.4	6.5	1293	0	77.1	67-105	1002	0.558	30	
Benzo(a)anthracene	1075	6.5	1293	0	83.2	68-105	1068	0.64	30	
Benzo(a)pyrene	1010	6.5	1293	0	78.1	68-110	1034	2.34	30	
Benzo(b)fluoranthene	1117	6.5	1293	0	86.4	65-110	1125	0.695	30	
Benzo(k)fluoranthene	1101	6.5	1293	0	85.2	66-113	1111	0.87	30	
Chrysene	992.6	6.5	1293	0	76.8	68-108	1001	0.883	30	
Dibenzo(a,h)anthracene	1099	6.5	1293	0	85	62-119	997.5	9.71	30	
Fluoranthene	1028	6.5	1293	0	79.5	67-106	935.6	9.43	30	
Fluorene	1031	6.5	1293	0	79.7	59-107	1093	5.83	30	
Indeno(1,2,3-cd)pyrene	1173	6.5	1293	0	90.7	56-120	1055	10.5	30	
Naphthalene	830.9	6.5	1293	0	64.3	46-98	880.8	5.83	30	
Pyrene	1173	6.5	1293	0	90.7	60-119	1056	10.5	30	
Surr: 2-Fluorobiphenyl	2376	0	3233	0	73.5	44-107	2259	5.05	40	
Surr: 4-Terphenyl-d14	2689	0	3233	0	83.2	52-123	2532	6.01	40	
Surr: Nitrobenzene-d5	2339	0	3233	0	72.4	41-94	2615	11.1	40	

The following samples were analyzed in this batch:

1811788-01A 1811788-02A

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

Client: Entrada Consulting Group  
 Work Order: 1811788  
 Project: UP 69-27 Spill

# QC BATCH REPORT

Batch ID: 127948 Instrument ID VMS11 Method: SW8260C

<b>MBLK</b>		Sample ID: <b>MBLK-127948-127948</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/15/2018 03:16 A</b>		
Client ID:		Run ID: <b>VMS11_181114B</b>				SeqNo: <b>5390657</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
Benzene	U	30								
Ethylbenzene	U	30								
m,p-Xylene	U	60								
o-Xylene	U	30								
Toluene	U	30								
Xylenes, Total	U	90								
Surr: 1,2-Dichloroethane-d4	905	0	1000	0	90.5	70-130	0			
Surr: 4-Bromofluorobenzene	978	0	1000	0	97.8	70-130	0			
Surr: Dibromofluoromethane	821.5	0	1000	0	82.2	70-130	0			
Surr: Toluene-d8	971.5	0	1000	0	97.2	70-130	0			

<b>MBLK</b>		Sample ID: <b>MBLK-127948-127948</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/17/2018 05:02 A</b>		
Client ID:		Run ID: <b>VMS9_181116C</b>				SeqNo: <b>5391843</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
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	1048	0	1000	0	105	70-130	0			
Surr: 4-Bromofluorobenzene	974.5	0	1000	0	97.4	70-130	0			
Surr: Dibromofluoromethane	903	0	1000	0	90.3	70-130	0			
Surr: Toluene-d8	980	0	1000	0	98	70-130	0			

<b>LCS</b>		Sample ID: <b>LCS-127948-127948</b>				Units: <b>µg/Kg-dry</b>		Analysis Date: <b>11/15/2018 02:10 A</b>		
Client ID:		Run ID: <b>VMS11_181114B</b>				SeqNo: <b>5390656</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
Benzene	1122	30	1000	0	112	75-125	0			
Ethylbenzene	1112	30	1000	0	111	75-125	0			
m,p-Xylene	2189	60	2000	0	109	80-125	0			
o-Xylene	1094	30	1000	0	109	75-125	0			
Toluene	1080	30	1000	0	108	70-125	0			
Xylenes, Total	3282	90	3000	0	109	75-125	0			
Surr: 1,2-Dichloroethane-d4	997	0	1000	0	99.7	70-130	0			
Surr: 4-Bromofluorobenzene	972	0	1000	0	97.2	70-130	0			
Surr: Dibromofluoromethane	1064	0	1000	0	106	70-130	0			
Surr: Toluene-d8	957	0	1000	0	95.7	70-130	0			

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **127948** Instrument ID **VMS11** Method: **SW8260C**

LCS				Sample ID: LCS-127948-127948				Units: µg/Kg-dry		Analysis Date: 11/17/2018 04:17 A	
Client ID:			Run ID: VMS9_181116C			SeqNo: 5391842		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	
Benzene	1072	30	1000	0	107	75-125	0				
Ethylbenzene	986.5	30	1000	0	98.6	75-125	0				
m,p-Xylene	1960	60	2000	0	98	80-125	0				
o-Xylene	1026	30	1000	0	103	75-125	0				
Toluene	998.5	30	1000	0	99.8	70-125	0				
Xylenes, Total	2986	90	3000	0	99.5	75-125	0				
Surr: 1,2-Dichloroethane-d4	1020	0	1000	0	102	70-130	0				
Surr: 4-Bromofluorobenzene	1043	0	1000	0	104	70-130	0				
Surr: Dibromofluoromethane	1012	0	1000	0	101	70-130	0				
Surr: Toluene-d8	989.5	0	1000	0	99	70-130	0				

MS				Sample ID: 1811788-01A MS		Units: µg/Kg-dry		Analysis Date: 11/17/2018 10:17 A		
Client ID: UP6927-SS1			Run ID: VMS9_181116C			SeqNo: 5391864		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
Benzene	1170	34	1139	0	103	75-125	0			
Ethylbenzene	1011	34	1139	0	88.8	75-125	0			
m,p-Xylene	2067	68	2278	0	90.8	80-125	0			
o-Xylene	1037	34	1139	0	91	75-125	0			
Toluene	1022	34	1139	0	89.7	70-125	0			
Xylenes, Total	3104	100	3417	0	90.8	75-125	0			
Surr: 1,2-Dichloroethane-d4	1207	0	1139	0	106	70-130	0			
Surr: 4-Bromofluorobenzene	1117	0	1139	0	98.1	70-130	0			
Surr: Dibromofluoromethane	1035	0	1139	0	90.8	70-130	0			
Surr: Toluene-d8	1109	0	1139	0	97.4	70-130	0			

MSD				Sample ID: 1811788-01A MSD			Units: µg/Kg-dry		Analysis Date: 11/17/2018 10:32 A		
Client ID: UP6927-SS1			Run ID: VMS9_181116C			SeqNo: 5391865		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	
Benzene	1138	34	1139	0	99.9	75-125	1170	2.81	30		
Ethylbenzene	1026	34	1139	0	90	75-125	1011	1.4	30		
m,p-Xylene	2082	68	2278	0	91.4	80-125	2067	0.686	30		
o-Xylene	1040	34	1139	0	91.3	75-125	1037	0.329	30		
Toluene	1037	34	1139	0	91	70-125	1022	1.49	30		
Xylenes, Total	3122	100	3417	0	91.4	75-125	3104	0.567	30		
Surr: 1,2-Dichloroethane-d4	1186	0	1139	0	104	70-130	1207	1.81	30		
Surr: 4-Bromofluorobenzene	1130	0	1139	0	99.2	70-130	1117	1.12	30		
Surr: Dibromofluoromethane	1082	0	1139	0	95	70-130	1035	4.41	30		
Surr: Toluene-d8	1100	0	1139	0	96.6	70-130	1109	0.825	30		

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

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Batch ID: **127948** Instrument ID **VMS11** Method: **SW8260C**

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**The following samples were analyzed in this batch:**

1811788-01A	1811788-02A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **127909** Instrument ID **WETCHEM** Method: **SW9045D**

<b>LCS</b>		Sample ID: <b>LCS-127909-127909</b>				Units: <b>s.u.</b>		Analysis Date: <b>11/13/2018 04:40 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181113K</b>		SeqNo: <b>5383402</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	
pH	3.94	0.10	4	0	98.5	90-110	0				

<b>DUP</b>		Sample ID: <b>1811459-05A DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>11/13/2018 04:40 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181113K</b>		SeqNo: <b>5383404</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	
pH	8.55	0.10	0	0	0	0-0	8.51	0.469	20	H	

<b>DUP</b>		Sample ID: <b>1811786-03A DUP</b>				Units: <b>s.u.</b>		Analysis Date: <b>11/13/2018 04:40 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181113K</b>		SeqNo: <b>5383417</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	
pH	8.57	0.10	0	0	0	0-0	8.59	0.233	20		

The following samples were analyzed in this batch:

1811788-01A	1811788-02A	1811788-03A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.



**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **128282** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

<b>DUP</b>		Sample ID: <b>1811786-01BDUP</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>11/21/2018 12:45 A</b>		
Client ID:		Run ID: <b>WETCHEM_181121G</b>			SeqNo: <b>5398488</b>		Prep Date: <b>11/20/2018</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	61.4	0.10	0	0	0		61	0.654	50	

The following samples were analyzed in this batch:

1811788-01B	1811788-02B	1811788-03B
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **128657** Instrument ID **WETCHEM** Method: **SW7196A**

<b>MBLK</b>		Sample ID: <b>MBLK-128657-128657</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID:		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409947</b>		Prep Date: <b>11/28/2018</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-128657-128657</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID:		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409948</b>		Prep Date: <b>11/28/2018</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 4.36 1.0 5 0 87.2 80-120 0

<b>MS</b>		Sample ID: <b>1811788-01A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID: <b>UP6927-SS1</b>		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409951</b>		Prep Date: <b>11/28/2018</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 5 0.1942 -3.88 75-125 0 S

<b>MS</b>		Sample ID: <b>1811788-01A MSI</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID: <b>UP6927-SS1</b>		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409953</b>		Prep Date: <b>11/28/2018</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 2324 100 2414 0.1942 96.3 75-125 0

<b>MS</b>		Sample ID: <b>1811792-01A MS</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID:		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409958</b>		Prep Date: <b>11/28/2018</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 0.85 1.0 5 0.202 13 75-125 0 JS

<b>MS</b>		Sample ID: <b>1811792-01A MSI</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID:		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409960</b>		Prep Date: <b>11/28/2018</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 1677 100 1902 0.202 88.2 75-125 0

<b>MSD</b>		Sample ID: <b>1811788-01A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>		
Client ID: <b>UP6927-SS1</b>		Run ID: <b>WETCHEM_181129P</b>		SeqNo: <b>5409952</b>		Prep Date: <b>11/28/2018</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 2.745 0.98 4.902 0.1942 52 75-125 0.2 173 20 SR

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **128657** Instrument ID **WETCHEM** Method: **SW7196A**

<b>MSD</b>		Sample ID: <b>1811792-01A MSD</b>				Units: <b>mg/Kg</b>		Analysis Date: <b>11/29/2018 04:00 PM</b>			
Client ID:		Run ID: <b>WETCHEM_181129P</b>				SeqNo: <b>5409959</b>		Prep Date: <b>11/28/2018</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	1.63	1.0	5	0.202	28.6	75-125	0.85	62.9	20	SR	

The following samples were analyzed in this batch:

1811788-01A	1811788-02A	1811788-03A
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**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **R249828** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R249828					Units: % of sample		Analysis Date: 11/21/2018 08:28 A		
Client ID:			Run ID: MOIST_181121B			SeqNo: 5399411		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 0.1 0.050

LCS		Sample ID: LCS-R249828				Units: % of sample		Analysis Date: 11/21/2018 08:28 A		
Client ID:		Run ID: MOIST_181121B				SeqNo: 5399406		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				Sample ID: 1811592-06A DUP				Units: % of sample			Analysis Date: 11/21/2018 08:28 A			
Client ID:				Run ID: MOIST_181121B				SeqNo: 5399367			Prep Date:		DF: 1	
Analyte				Result		PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 12.68 0.050 0 0 0 0-0 11.63 8.64 10 B

<b>DUP</b>				Sample ID: <b>1811592-24A DUP</b>				Units: % of sample			Analysis Date: <b>11/21/2018 08:28 A</b>			
Client ID:				Run ID: <b>MOIST_181121B</b>				SeqNo: <b>5399389</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 19.22 0.050 0 0 0 0-0 18.93 1.52 10 B

The following samples were analyzed in this batch:

1811788-01A

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

**Client:** Entrada Consulting Group  
**Work Order:** 1811788  
**Project:** UP 69-27 Spill

## QC BATCH REPORT

Batch ID: **R249870** Instrument ID **MOIST** Method: **SW3550C**

<b>MBLK</b>		Sample ID: <b>WBLKS-R249870</b>				Units: % of sample		Analysis Date: <b>11/21/2018 10:28 A</b>		
Client ID:		Run ID: <b>MOIST_181121C</b>				SeqNo: <b>5400253</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

<b>LCS</b>		Sample ID: <b>LCS-R249870</b>				Units: % of sample		Analysis Date: <b>11/21/2018 10:28 A</b>		
Client ID:		Run ID: <b>MOIST_181121C</b>				SeqNo: <b>5400252</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 99.98 0.050 100 0 100 99.5-100.5 0

<b>DUP</b>		Sample ID: <b>1811969-01B DUP</b>				Units: % of sample		Analysis Date: <b>11/21/2018 10:28 A</b>		
Client ID:		Run ID: <b>MOIST_181121C</b>				SeqNo: <b>5400249</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 31.54 0.050 0 0 0 0-0 31.91 1.17 10

<b>DUP</b>		Sample ID: <b>1811971-01B DUP</b>				Units: % of sample		Analysis Date: <b>11/21/2018 10:28 A</b>		
Client ID:		Run ID: <b>MOIST_181121C</b>				SeqNo: <b>5400251</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 17.79 0.050 0 0 0 0-0 17.95 0.895 10

The following samples were analyzed in this batch:

1811788-02A 1811788-03A

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



**Environmental**

# 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> 1811738	
<b>Customer Information</b>		<b>Project Information</b>	
Purchase Order		Project Name	UP 69-27 Spill
Work Order		Project Number	
Company Name	Entrada Consulting Group	Bill To Company	Entrada Consulting Group
Send Report To	Tim Dobransky	Invoice Attn.	Tim Dobransky
Address	330 Grand Ave Unit C	Address	330 Grand Ave Unit C
City/State/Zip	Grand Junction, CO 81501	City/State/Zip	Grand Junction, CO 81501
Phone	970.270.2986	Phone	970.270.2986
Fax		Fax	
e-Mail Address	tdobransky@entradainc.com	e-Mail Address	tdobransky@entradainc.com
		<b>Parameter/Method Request for Analysis</b>	
		A TPH (GRO & DRO)	
		B BTEX	
		C PAH (See Attached List) CO Table 910	
		D Electrical Conductivity	
		E Sodium Adsorption Ratio	
		F pH	
		G Metals (See Attached List) CO Table 910	
		H Arsenic Only	
		I	
		J	
No.	Sample Description	Date	Time
1	UP6927-SS1	11/08/18	1120
2	UP6927-SS2	11/08/18	1130
3	UP6927-BG1	11/08/18	1135
4			
5			
6			
7			
8			
9			
10			
		Matrix	Pres.
		# Bottles	
		A	B
		C	D
		E	F
		G	H
		I	J
		Hold	
<b>Sampler(s): Please Print &amp; Sign</b> Dobransky		<b>Shipment Method:</b> FedEx	
		<b>Required Turnaround Time:</b> <input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> Other _____ <input type="checkbox"/> 24 Hour	
		<b>Results Due Date:</b>	
<b>Relinquished by:</b> 	<b>Date:</b> 11/9/18	<b>Time:</b> 	<b>Received by:</b> 
<b>Relinquished by:</b> 	<b>Date:</b> 11-9-18	<b>Time:</b> 1830	<b>Received by (Laboratory):</b> 
<b>Logged by (Laboratory):</b> Ke	<b>Date:</b> 11/12/18	<b>Time:</b> 1045	<b>Checked by (Laboratory):</b> 
<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>QC Package: (Check Box Below)</b> Cooler Temp. 4.8"	
		<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 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: **10-Nov-18 10:00**

Work Order: **1811788**

Received by: **KRW**

Checklist completed by Keith Wurenga  
eSignature

12-Nov-18  
Date

Reviewed by: Chad Whelton  
eSignature

12-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>11/12/2018 10:47:19 AM</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:



03-Jun-2020

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

Re: **UP 69-27 Spill Resampling**

Work Order: **20051954**

Dear Tim,

ALS Environmental received 3 samples on 27-May-2020 11:30 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



**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill Resampling  
**Work Order:** 20051954

## 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>
20051954-01	UP6927-SS1	Soil		5/21/2020 10:10	5/27/2020 11:30	<input type="checkbox"/>
20051954-02	UP6927-SS2	Soil		5/21/2020 10:15	5/27/2020 11:30	<input type="checkbox"/>
20051954-03	UP6927-BG1	Soil		5/21/2020 10:20	5/27/2020 11:30	<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>
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	

**ALS Group, USA**

Date: 03-Jun-20

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill Resampling  
**Sample ID:** UP6927-SS1  
**Collection Date:** 5/21/2020 10:10 AM

**Work Order:** 20051954  
**Lab ID:** 20051954-01  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>							
<b>SOLUBLE CATIONS FOR SAR</b>			Method: <b>SW6020B</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>STP</b>
Calcium	60		2.5	5.0	mg/L	10	6/2/2020 20:18
Magnesium	8.2		0.50	2.0	mg/L	10	6/2/2020 20:18
Sodium	25		0.45	2.0	mg/L	10	6/2/2020 20:18
<b>SODIUM ADSORPTION RATIO</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>STP</b>
Sodium Adsorption Ratio	0.81		0.010	0.010	none	1	6/2/2020
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>DVD</b>
Electrical Conductivity @ Saturation	0.46		0.011	0.10	mmhos/cm @25°	20	6/3/2020 10:30

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

**ALS Group, USA**

Date: 03-Jun-20

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill Resampling  
**Sample ID:** UP6927-SS2  
**Collection Date:** 5/21/2020 10:15 AM

**Work Order:** 20051954  
**Lab ID:** 20051954-02  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>							
<b>SOLUBLE CATIONS FOR SAR</b>			Method: <b>SW6020B</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>STP</b>
Calcium	2,000		25	50	mg/L	100	6/3/2020 14:01
Magnesium	46		0.50	2.0	mg/L	10	6/2/2020 20:19
Sodium	49		0.45	2.0	mg/L	10	6/2/2020 20:19
<b>SODIUM ADSORPTION RATIO</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>STP</b>
Sodium Adsorption Ratio	0.30		0.010	0.010	none	1	6/2/2020
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>DVD</b>
Electrical Conductivity @ Saturation	11		0.011	0.10	mmhos/cm @25°	20	6/3/2020 10:30

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

**ALS Group, USA**

Date: 03-Jun-20

**Client:** Entrada Consulting Group  
**Project:** UP 69-27 Spill Resampling  
**Sample ID:** UP6927-BG1  
**Collection Date:** 5/21/2020 10:20 AM

**Work Order:** 20051954  
**Lab ID:** 20051954-03  
**Matrix:** SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<hr/>							
<b>SOLUBLE CATIONS FOR SAR</b>			Method: <b>SW6020B</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>STP</b>
Calcium	160		2.5	5.0	mg/L	10	6/2/2020 20:21
Magnesium	12		0.50	2.0	mg/L	10	6/2/2020 20:21
Sodium	19		0.45	2.0	mg/L	10	6/2/2020 20:21
<b>SODIUM ADSORPTION RATIO</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>STP</b>
Sodium Adsorption Ratio	0.39		0.010	0.010	none	1	6/2/2020
<b>ELECTRICAL CONDUCTIVITY (SAR)</b>			Method: <b>USDA H60 METHOD 2</b>		Prep: USDA Method 20B / 6/2/20		Analyst: <b>DVD</b>
Electrical Conductivity @ Saturation	0.93		0.011	0.10	mmhos/cm @25°	20	6/3/2020 10:30

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

**Client:** Entrada Consulting Group  
**Work Order:** 20051954  
**Project:** UP 69-27 Spill Resampling

**QC BATCH REPORT**

Batch ID: **156811** Instrument ID **ICPMS3** Method: **SW6020B**

DUP		Sample ID: <b>20051952-04ADUP</b>				Units: <b>mg/L</b>		Analysis Date: <b>6/2/2020 08:16 PM</b>		
Client ID:		Run ID: <b>ICPMS3_200602A</b>				SeqNo: <b>6454638</b>		Prep Date: <b>6/2/2020</b>		DF: <b>10</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	1316	5.0	0	0	0	0-0	822.4	46.1		
Magnesium	30.71	2.0	0	0	0	0-0	28.67	6.87		
Sodium	46.21	2.0	0	0	0	0-0	55.83	18.8		

The following samples were analyzed in this batch:

20051954-01A	20051954-02A	20051954-03A
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Batch ID: **156811** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP		Sample ID: <b>20051952-04ADUP</b>				Units: <b>none</b>		Analysis Date: <b>6/2/2020</b>		
Client ID:		Run ID: <b>SAR_200602A</b>				SeqNo: <b>6456201</b>		Prep Date: <b>6/2/2020</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	0.3443	0.010	0	0	0		0.5213	40.9	50	

The following samples were analyzed in this batch:

20051954-01A	20051954-02A	20051954-03A
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Client: Entrada Consulting Group  
 Work Order: 20051954  
 Project: UP 69-27 Spill Resampling

## QC BATCH REPORT

Batch ID: **156811** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

<b>MBLK</b>		Sample ID: <b>MB-R289849-156811</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>6/3/2020 10:30 AM</b>		
Client ID:		Run ID: <b>WETCHEM_200603C</b>				SeqNo: <b>6455405</b>		Prep Date: <b>6/2/2020</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Electrical Conductivity @ Saturation 0.00071 0.0050 J

<b>DUP</b>		Sample ID: <b>20051952-04A DUP</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>6/3/2020 10:30 AM</b>		
Client ID:		Run ID: <b>WETCHEM_200603C</b>				SeqNo: <b>6455409</b>		Prep Date: <b>6/2/2020</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 7.3 0.10 0 0 0 4.8 41.3 50

<b>LCS1</b>		Sample ID: <b>LCS 1-156811</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>6/3/2020 10:30 AM</b>		
Client ID:		Run ID: <b>WETCHEM_200603C</b>				SeqNo: <b>6455406</b>		Prep Date: <b>6/2/2020</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Electrical Conductivity @ Saturation 0.0158 0.0050 0.0149 0 106 92-111 0

<b>LCS2</b>		Sample ID: <b>LCS 2-156811</b>				Units: <b>mmhos/cm @25°</b>		Analysis Date: <b>6/3/2020 10:30 AM</b>		
Client ID:		Run ID: <b>WETCHEM_200603C</b>				SeqNo: <b>6455418</b>		Prep Date: <b>6/2/2020</b>		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Electrical Conductivity @ Saturation 0.603 0.0050 0.592 0 102 88-114 0

The following samples were analyzed in this batch:

20051954-01A	20051954-02A	20051954-03A
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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>20051954</u>	
<b>Customer Information</b>		<b>Project Information</b>	
<b>Purchase Order</b>		<b>Project Name</b>	UP 69-27 Spill Resampling
<b>Work Order</b>		<b>Project Number</b>	
<b>Company Name</b>	Entrada Consulting Group	<b>Bill To Company</b>	Entrada Consulting Group
<b>Send Report To</b>	Tim Dobransky	<b>Invoice Attn.</b>	Tim Dobransky
<b>Address</b>	330 Grand Ave Unit C	<b>Address</b>	330 Grand Ave Unit C
<b>City/State/Zip</b>	Grand Junction, CO 81501	<b>City/State/Zip</b>	Grand Junction, CO 81501
<b>Phone</b>	970.270.2986	<b>Phone</b>	970.270.2986
<b>Fax</b>		<b>Fax</b>	
<b>e-Mail Address</b>	tdobransky@entradainc.com	<b>e-Mail Address</b>	tdobransky@entradainc.com
		<b>Parameter/Method Request for Analysis</b>	
		<b>A</b>	TPH (GRO & DRO)
		<b>B</b>	BTEX
		<b>C</b>	PAH (See Attached List) CO Table 910
		<b>D</b>	Electrical Conductivity
		<b>E</b>	Sodium Adsorption Ratio
		<b>F</b>	pH
		<b>G</b>	Metals (See Attached List) CO Table 910
		<b>H</b>	Arsenic Only
		<b>I</b>	
		<b>J</b>	
<b>No.</b>	<b>Sample Description</b>	<b>Date</b>	<b>Time</b>
1	UP6927-SS1	5/21/20	1010
2	UP6927-SS2	5/21/20	1015
3	UP6927-BG1	5/21/20	1020
4			
5			
6			
7			
8			
9			
10			
<b>Sampler(s): Please Print &amp; Sign</b>		<b>Shipment Method:</b>	
Dobransky		FedEx	
		<b>Required Turnaround Time:</b>	
		<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	
		<b>Results Due Date:</b>	
<b>Relinquished by:</b>		<b>Received by:</b>	
[Signature]		[Signature]	
<b>Date:</b> 5/26/20		<b>Time:</b> 1150	
<b>Relinquished by:</b>		<b>Received by (Laboratory):</b>	
[Signature]		[Signature]	
<b>Date:</b> 5-26-20		<b>Time:</b> 1830	
<b>Logged by (Laboratory):</b>		<b>Checked by (Laboratory):</b>	
DFS		[Signature]	
<b>Date:</b> 5/27/20		<b>Time:</b> 1530	
<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>QC Package: (Check Box Below)</b>	
		<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 <input type="checkbox"/> 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: **27-May-20 11:30**

Work Order: **20051954**

Received by: **DS**

Checklist completed by **Diane Shaw**

27-May-20

Reviewed by: **Chad Whelton**

28-May-20

eSignature

Date

eSignature

Date

Matrices: **Soil**

Carrier name: **FedEx**

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Container/Temp Blank temperature in compliance? Yes ☒ No ☐

Sample(s) received on ice? Yes ☒ No ☐

Temperature(s)/Thermometer(s): **3.8/3.8 c** **SR1**

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: **5/27/2020 3:41:01 PM**

Water - VOA vials have zero headspace? Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt? Yes ☐ No ☐ N/A ☒

pH adjusted? Yes ☐ No ☐ N/A ☒

pH adjusted by: **-**

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: