

Legend

- Spill Origin
- Soil Sample Location
- Spill Path
- ▨ Spill Area
- Proposed Approximate Excavation Area (~94 sqft)

0 250 500
Ft
1 inch = 250 ft


Project No: 018-065	Fee 43 Spill Chevron USA, Inc. Rio Blanco County, Colorado SENEW / NENW Section 19 T2S R102W	 ENTRADA CONSULTING GROUP	330 Grand Avenue, Unit C Grand Junction, CO 81501 970-549-1015	Figure
Map By: NDB				1
Date: 6/17/2021				

Table 1
Fee 43
Soil Data Summary

SAMPLE SUMMARY	
Location Description	Fee 43 Spill
Sample Type	Soil

LABORATORY DATA SUMMARY											
Sample ID	Fee43-SS1	Fee43-SS2	Fee43-SS3	Fee43-SS4	Fee43-SS5	Fee43-SS6	Fee43-SS7	Fee43-BG1	Fee43-BG2	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"		
Sample Date	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020		
Analytical Parameters											
TPH											
TPH Gasoline Range Organics	<3.0	<3.4	<3.4	<3.5	<2.8	<2.9	<3.3	NT	NT	500	mg/kg
TPH Diesel Range Organics	11 J	45	7.1 J	810	12	16	12	NT	NT		
BTEX											
Benzene	<0.0074	<0.0079	<0.0084	<0.0085	<0.0069	<0.0072	<0.0082	NT	NT	0.17	mg/kg
Toluene	<0.012	<0.013	<0.013	<0.014	<0.011	<0.011	<0.013	NT	NT	85	mg/kg
Ethylbenzene	<0.0091	<0.0097	<0.010	<0.010	<0.0085	<0.0088	<0.010	NT	NT	100	mg/kg
Total Xylene	<0.058	<0.061	<0.066	<0.066	<0.054	<0.056	<0.064	NT	NT	175	mg/kg
Metals											
Arsenic	7.2	7.5	5.5	15	6.8	6.7	5.6	8.6	6	0.39	mg/kg
Barium	170	170	93	170	130	120	110	170	NT	15,000	mg/kg
Cadmium	0.5	0.28	0.16 J	0.43	0.35	0.23	0.21	0.45	NT	70	mg/kg
Chromium	11	12	10	10	9.9	9.2	9.7	13	NT	NA	mg/kg
Copper	14	16	12	15	13	12	12	16	NT	3,100	mg/kg
Lead	21	21	14	19	18	18	17	23	NT	400	mg/kg
Mercury	0.022 J	0.026	0.036	0.018 J	0.023 J	0.028	0.023	0.021	NT	23	mg/kg
Nickel	18	19	16	17	17	16	15	19	NT	1,600	mg/kg
Selenium	1.4	1.3	0.8	1.4	1.3	1.20	1	1.5	NT	390	mg/kg
Silver	0.075 J	0.075 J	0.068 J	0.069 J	0.063 J	0.069 J	0.082 J	0.071 J	NT	390	mg/kg
Zinc	68	77	61	69	67	62	62	74	NT	23,000	mg/kg
SAR Metals Analysis											
Calcium	99	870	820	660	1300	930	46	55	NT	NA	mg/L
Magnesium	8.1	25	17	86	91	55	18	5.1	NT	NA	mg/L
Sodium	9.5	49	18	120	19	18	85	11	NT	NA	mg/L
Sodium Adsorption Ratio	0.25	0.44	0.17	1.2	0.14	0.16	2.7	0.37	NT	<12	ratio
Polynuclear Aromatic Hyrdrocarbons											
Acenaphthene	<0.00093	<0.00095	<0.00099	<0.00098	<0.00093	<0.00097	<0.0010	NT	NT	1,000	mg/kg
Anthracene	<0.0016	<0.0017	<0.0017	<0.0017	<0.0016	<0.0017	<0.0017	NT	NT	1,000	mg/kg
Benzo(a)anthracene	<0.0020	0.066	<0.0021	<0.0021	<0.0020	<0.0021	<0.0021	NT	NT	0.22	mg/kg
Benzo(a)pyrene	<0.0013	0.013	<0.0014	<0.0014	<0.0013	<0.0014	<0.0014	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	<0.0012	0.027	<0.0012	<0.0012	<0.0011	<0.0012	<0.0012	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	<0.0014	0.0068	<0.0015	<0.0015	<0.0014	<0.0015	<0.0015	NT	NT	2.2	mg/kg
Chrysene	<0.00099	0.076	<0.0011	<0.22	<0.00098	<0.0010	<0.0011	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	<0.0011	0.0020 J	<0.0012	<0.0012	<0.0011	<0.0012	<0.0012	NT	NT	0.022	mg/kg
Fluoranthene	<0.00089	0.032	<0.00094	<0.00094	<0.00088	<0.00092	<0.00095	NT	NT	1,000	mg/kg
Fluorene	<0.0016	<0.0016	<0.0017	<0.0017	<0.0016	<0.0017	<0.0017	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	<0.0017	0.0076	<0.0018	<0.0018	<0.0017	<0.0018	<0.0019	NT	NT	0.22	mg/kg
Napthalene	<0.0021	<0.0021	<0.0022	<0.0022	<0.0021	<0.0022	<0.0022	NT	NT	23	mg/kg
Pyrene	<0.00080	0.025	<0.00084	<0.00084	<0.00079	<0.00083	<0.00085	NT	NT	1,000	mg/kg
General Chemistry											
Chromium, Hexavalent	<0.99	<1.0	<1.1	<1.1	<1.0	<1.0	<1.0	<1.1	NT	23	mg/kg
Chromium, Trivalent	11	12	10	10	10	9.2	9.7	13	NT	120,000	mg/kg
Specific Conductivity	0.6	4.8	4.5	4.5	7.0	6.3	0.73	0.32	NT	<4 or 2 x the background	mmhos/cm
pH	7.96	7.68	7.75	7.17	7.73	7.65	9.13	8.17	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



10-Apr-2020

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

Re: **FEE 43 Spill**

Work Order: **20040277**

Dear Tim,

ALS Environmental received 9 samples on 03-Apr-2020 09:00 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 43.

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

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

Sincerely,

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

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Entrada Consulting Group
Project: FEE 43 Spill
Work Order: 20040277

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>
20040277-01	FEE43-SS1	Soil		4/1/2020 11:15	4/3/2020 09:00	<input type="checkbox"/>
20040277-02	FEE43-SS2	Soil		4/1/2020 11:30	4/3/2020 09:00	<input type="checkbox"/>
20040277-03	FEE43-SS3	Soil		4/1/2020 11:45	4/3/2020 09:00	<input type="checkbox"/>
20040277-04	FEE43-SS4	Soil		4/1/2020 12:15	4/3/2020 09:00	<input type="checkbox"/>
20040277-05	FEE43-SS5	Soil		4/1/2020 12:45	4/3/2020 09:00	<input type="checkbox"/>
20040277-06	FEE43-SS6	Soil		4/1/2020 13:00	4/3/2020 09:00	<input type="checkbox"/>
20040277-07	FEE43-SS7	Soil		4/1/2020 13:15	4/3/2020 09:00	<input type="checkbox"/>
20040277-08	FEE43-BG1	Soil		4/1/2020 12:00	4/3/2020 09:00	<input type="checkbox"/>
20040277-09	FEE43-BG2	Soil		4/1/2020 13:30	4/3/2020 09:00	<input type="checkbox"/>

Client: Entrada Consulting Group
Project: FEE 43 Spill
Work Order: 20040277

Case Narrative

Batch 154258, Method VOC_8260_S, Sample 20040277-01A MS: The MS recovery was above the upper control limit for Toluene. The corresponding result in the parent sample was non-detect, therefore no qualification is required.

Batch 154259, Method GRO_8015_S, Sample 20040277-01A MS: The MS recovery was outside of the control limit for GRO. However, the MSD recovery and the RPD between the MS and MSD was in control. No qualification is required.

Batch 154361, Method HG_7471_S, Sample LCS-154361: The LCS recovery was above the upper control limit for Mercury. The sample results for this batch may be biased high.

<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
°C	Degrees Celcius
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
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ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS1
Collection Date: 4/1/2020 11:15 AM

Work Order: 20040277
Lab ID: 20040277-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/7/20		Analyst: AK
DRO (C10-C28)	11	J	3.3	12	mg/Kg-dry	1	4/8/2020 09:51
Surr: 4-Terphenyl-d14	84.0			33-111	%REC	1	4/8/2020 09:51
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		3.0	7.2	mg/Kg	1	4/7/2020 05:08
Surr: Toluene-d8	97.9			71-123	%REC	1	4/7/2020 05:08
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/8/20		Analyst: MAC
Mercury	0.022	J	0.015	0.023	mg/Kg-dry	1	4/9/2020 09:03
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	7.2		0.045	0.37	mg/Kg-dry	1	4/8/2020 22:21
Barium	170		3.4	3.7	mg/Kg-dry	10	4/9/2020 16:31
Cadmium	0.50		0.022	0.15	mg/Kg-dry	1	4/8/2020 22:21
Chromium	11		0.16	0.37	mg/Kg-dry	1	4/8/2020 22:21
Copper	14		0.37	0.37	mg/Kg-dry	1	4/8/2020 22:21
Lead	21		0.18	0.37	mg/Kg-dry	1	4/8/2020 22:21
Nickel	18		0.19	0.37	mg/Kg-dry	1	4/8/2020 22:21
Selenium	1.4		0.34	0.37	mg/Kg-dry	1	4/8/2020 22:21
Silver	0.075	J	0.049	0.37	mg/Kg-dry	1	4/8/2020 22:21
Zinc	68		0.73	0.74	mg/Kg-dry	1	4/8/2020 22:21
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	99		2.5	5.0	mg/L	10	4/9/2020 16:53
Magnesium	8.1		0.50	2.0	mg/L	10	4/9/2020 16:53
Sodium	9.5		0.45	2.0	mg/L	10	4/9/2020 16:53
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	0.25		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.00093	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Anthracene	U		0.0016	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Benzo(a)anthracene	U		0.0020	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Benzo(a)pyrene	U		0.0013	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Benzo(b)fluoranthene	U		0.0012	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Benzo(k)fluoranthene	U		0.0014	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Chrysene	U		0.00099	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Dibenzo(a,h)anthracene	U		0.0011	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Fluoranthene	U		0.00089	0.0048	mg/Kg-dry	1	4/8/2020 18:58

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS1
Collection Date: 4/1/2020 11:15 AM

Work Order: 20040277
Lab ID: 20040277-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0016	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Indeno(1,2,3-cd)pyrene	U		0.0017	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Naphthalene	U		0.0021	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Pyrene	U		0.00080	0.0048	mg/Kg-dry	1	4/8/2020 18:58
Surr: 2-Fluorobiphenyl	80.4			20-140	%REC	1	4/8/2020 18:58
Surr: 4-Terphenyl-d14	73.0			22-172	%REC	1	4/8/2020 18:58
Surr: Nitrobenzene-d5	62.2			28-140	%REC	1	4/8/2020 18:58
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0074	0.043	mg/Kg-dry	1	4/6/2020 22:35
Ethylbenzene	U		0.0091	0.043	mg/Kg-dry	1	4/6/2020 22:35
m,p-Xylene	U		0.058	0.086	mg/Kg-dry	1	4/6/2020 22:35
o-Xylene	U		0.017	0.043	mg/Kg-dry	1	4/6/2020 22:35
Toluene	U		0.012	0.043	mg/Kg-dry	1	4/6/2020 22:35
Xylenes, Total	U		0.058	0.13	mg/Kg-dry	1	4/6/2020 22:35
Surr: 1,2-Dichloroethane-d4	110			70-130	%REC	1	4/6/2020 22:35
Surr: 4-Bromofluorobenzene	102			70-130	%REC	1	4/6/2020 22:35
Surr: Dibromofluoromethane	98.8			70-130	%REC	1	4/6/2020 22:35
Surr: Toluene-d8	100			70-130	%REC	1	4/6/2020 22:35
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	0.60		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	11		1.0	1.2	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		0.99	1.2	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	15		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	7.96		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	19.9		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS2
Collection Date: 4/1/2020 11:30 AM

Work Order: 20040277
Lab ID: 20040277-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/7/20		Analyst: AK
DRO (C10-C28)	45		3.4	12	mg/Kg-dry	1	4/8/2020 11:09
Surr: 4-Terphenyl-d14	70.8			33-111	%REC	1	4/8/2020 11:09
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		3.2	7.7	mg/Kg	1	4/7/2020 05:31
Surr: Toluene-d8	102			71-123	%REC	1	4/7/2020 05:31
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/10/20		Analyst: MAC
Mercury	0.026		0.013	0.019	mg/Kg-dry	1	4/10/2020 11:29
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	7.5		0.059	0.49	mg/Kg-dry	1	4/8/2020 22:23
Barium	170		4.5	4.9	mg/Kg-dry	10	4/9/2020 16:33
Cadmium	0.28		0.029	0.20	mg/Kg-dry	1	4/8/2020 22:23
Chromium	12		0.22	0.49	mg/Kg-dry	1	4/8/2020 22:23
Copper	16		0.49	0.49	mg/Kg-dry	1	4/8/2020 22:23
Lead	21		0.24	0.49	mg/Kg-dry	1	4/8/2020 22:23
Nickel	19		0.25	0.49	mg/Kg-dry	1	4/8/2020 22:23
Selenium	1.3		0.45	0.49	mg/Kg-dry	1	4/8/2020 22:23
Silver	0.075	J	0.065	0.49	mg/Kg-dry	1	4/8/2020 22:23
Zinc	77		0.96	0.98	mg/Kg-dry	1	4/8/2020 22:23
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	870		2.5	5.0	mg/L	10	4/9/2020 16:55
Magnesium	25		0.50	2.0	mg/L	10	4/9/2020 16:55
Sodium	49		0.45	2.0	mg/L	10	4/9/2020 16:55
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	0.44		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.00095	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Anthracene	U		0.0017	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Benzo(a)anthracene	0.066		0.0020	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Benzo(a)pyrene	0.013		0.0013	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Benzo(b)fluoranthene	0.027		0.0012	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Benzo(k)fluoranthene	0.0068		0.0014	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Chrysene	0.076		0.0010	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Dibenzo(a,h)anthracene	0.0020	J	0.0011	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Fluoranthene	0.032		0.00090	0.0049	mg/Kg-dry	1	4/8/2020 19:13

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS2
Collection Date: 4/1/2020 11:30 AM

Work Order: 20040277
Lab ID: 20040277-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0016	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Indeno(1,2,3-cd)pyrene	0.0076		0.0018	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Naphthalene	U		0.0021	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Pyrene	0.025		0.00081	0.0049	mg/Kg-dry	1	4/8/2020 19:13
Surr: 2-Fluorobiphenyl	96.6			20-140	%REC	1	4/8/2020 19:13
Surr: 4-Terphenyl-d14	82.6			22-172	%REC	1	4/8/2020 19:13
Surr: Nitrobenzene-d5	67.6			28-140	%REC	1	4/8/2020 19:13
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0079	0.046	mg/Kg-dry	1	4/6/2020 22:52
Ethylbenzene	U		0.0097	0.046	mg/Kg-dry	1	4/6/2020 22:52
m,p-Xylene	U		0.061	0.092	mg/Kg-dry	1	4/6/2020 22:52
o-Xylene	U		0.018	0.046	mg/Kg-dry	1	4/6/2020 22:52
Toluene	U		0.013	0.046	mg/Kg-dry	1	4/6/2020 22:52
Xylenes, Total	U		0.061	0.14	mg/Kg-dry	1	4/6/2020 22:52
Surr: 1,2-Dichloroethane-d4	106			70-130	%REC	1	4/6/2020 22:52
Surr: 4-Bromofluorobenzene	105			70-130	%REC	1	4/6/2020 22:52
Surr: Dibromofluoromethane	96.1			70-130	%REC	1	4/6/2020 22:52
Surr: Toluene-d8	100			70-130	%REC	1	4/6/2020 22:52
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	4.8		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	12		1.0	1.2	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	17		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	7.68		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	20.0		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS3
Collection Date: 4/1/2020 11:45 AM

Work Order: 20040277
Lab ID: 20040277-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/7/20		Analyst: AK
DRO (C10-C28)	7.1	J	3.4	12	mg/Kg-dry	1	4/8/2020 11:49
Surr: 4-Terphenyl-d14	87.3			33-111	%REC	1	4/8/2020 11:49
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		3.4	8.2	mg/Kg	1	4/7/2020 05:55
Surr: Toluene-d8	98.8			71-123	%REC	1	4/7/2020 05:55
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/10/20		Analyst: MAC
Mercury	0.036		0.015	0.022	mg/Kg-dry	1	4/10/2020 11:31
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	5.5		0.060	0.50	mg/Kg-dry	1	4/8/2020 22:25
Barium	93		0.46	0.50	mg/Kg-dry	1	4/8/2020 22:25
Cadmium	0.16	J	0.030	0.20	mg/Kg-dry	1	4/8/2020 22:25
Chromium	10		0.22	0.50	mg/Kg-dry	1	4/8/2020 22:25
Copper	12		0.50	0.50	mg/Kg-dry	1	4/8/2020 22:25
Lead	14		0.24	0.50	mg/Kg-dry	1	4/8/2020 22:25
Nickel	16		0.26	0.50	mg/Kg-dry	1	4/8/2020 22:25
Selenium	0.84		0.46	0.50	mg/Kg-dry	1	4/8/2020 22:25
Silver	0.068	J	0.067	0.50	mg/Kg-dry	1	4/8/2020 22:25
Zinc	61		0.99	1.0	mg/Kg-dry	1	4/8/2020 22:25
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	820		2.5	5.0	mg/L	10	4/9/2020 16:56
Magnesium	17		0.50	2.0	mg/L	10	4/9/2020 16:56
Sodium	18		0.45	2.0	mg/L	10	4/9/2020 16:56
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	0.17		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.00099	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Anthracene	U		0.0017	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Benzo(a)anthracene	U		0.0021	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Benzo(a)pyrene	U		0.0014	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Benzo(b)fluoranthene	U		0.0012	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Benzo(k)fluoranthene	U		0.0015	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Chrysene	U		0.0011	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Dibenzo(a,h)anthracene	U		0.0012	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Fluoranthene	U		0.00094	0.0051	mg/Kg-dry	1	4/8/2020 19:29

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS3
Collection Date: 4/1/2020 11:45 AM

Work Order: 20040277
Lab ID: 20040277-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0017	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Indeno(1,2,3-cd)pyrene	U		0.0018	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Naphthalene	U		0.0022	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Pyrene	U		0.00084	0.0051	mg/Kg-dry	1	4/8/2020 19:29
Surr: 2-Fluorobiphenyl	100			20-140	%REC	1	4/8/2020 19:29
Surr: 4-Terphenyl-d14	93.2			22-172	%REC	1	4/8/2020 19:29
Surr: Nitrobenzene-d5	72.4			28-140	%REC	1	4/8/2020 19:29
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0084	0.049	mg/Kg-dry	1	4/6/2020 23:08
Ethylbenzene	U		0.010	0.049	mg/Kg-dry	1	4/6/2020 23:08
m,p-Xylene	U		0.066	0.099	mg/Kg-dry	1	4/6/2020 23:08
o-Xylene	U		0.019	0.049	mg/Kg-dry	1	4/6/2020 23:08
Toluene	U		0.013	0.049	mg/Kg-dry	1	4/6/2020 23:08
Xylenes, Total	U		0.066	0.15	mg/Kg-dry	1	4/6/2020 23:08
Surr: 1,2-Dichloroethane-d4	113			70-130	%REC	1	4/6/2020 23:08
Surr: 4-Bromofluorobenzene	95.1			70-130	%REC	1	4/6/2020 23:08
Surr: Dibromofluoromethane	102			70-130	%REC	1	4/6/2020 23:08
Surr: Toluene-d8	98.2			70-130	%REC	1	4/6/2020 23:08
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	4.5		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	10		1.1	1.3	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.1	1.2	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	21		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	7.75		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	20.1		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS4
Collection Date: 4/1/2020 12:15 PM

Work Order: 20040277
Lab ID: 20040277-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/7/20		Analyst: AK
DRO (C10-C28)	810		36	130	mg/Kg-dry	10	4/8/2020 12:28
Surr: 4-Terphenyl-d14	50.0			33-111	%REC	10	4/8/2020 12:28
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		3.5	8.2	mg/Kg	1	4/7/2020 06:18
Surr: Toluene-d8	98.6			71-123	%REC	1	4/7/2020 06:18
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/10/20		Analyst: MAC
Mercury	0.018	J	0.015	0.021	mg/Kg-dry	1	4/10/2020 11:33
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	15		0.061	0.51	mg/Kg-dry	1	4/8/2020 22:27
Barium	170		0.47	0.51	mg/Kg-dry	1	4/8/2020 22:27
Cadmium	0.43		0.031	0.20	mg/Kg-dry	1	4/8/2020 22:27
Chromium	10		0.22	0.51	mg/Kg-dry	1	4/8/2020 22:27
Copper	15		0.51	0.51	mg/Kg-dry	1	4/8/2020 22:27
Lead	19		0.25	0.51	mg/Kg-dry	1	4/8/2020 22:27
Nickel	17		0.27	0.51	mg/Kg-dry	1	4/8/2020 22:27
Selenium	1.4		0.47	0.51	mg/Kg-dry	1	4/8/2020 22:27
Silver	0.069	J	0.067	0.51	mg/Kg-dry	1	4/8/2020 22:27
Zinc	69		1.0	1.0	mg/Kg-dry	1	4/8/2020 22:27
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	660		2.5	5.0	mg/L	10	4/9/2020 16:58
Magnesium	86		0.50	2.0	mg/L	10	4/9/2020 16:58
Sodium	120		0.45	2.0	mg/L	10	4/9/2020 16:58
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	1.2		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.00098	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Anthracene	U		0.0017	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Benzo(a)anthracene	U		0.0021	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Benzo(a)pyrene	U		0.0014	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Benzo(b)fluoranthene	U		0.0012	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Benzo(k)fluoranthene	U		0.0015	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Chrysene	0.22		0.0010	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Dibenzo(a,h)anthracene	U		0.0012	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Fluoranthene	U		0.00094	0.0051	mg/Kg-dry	1	4/8/2020 19:44

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS4
Collection Date: 4/1/2020 12:15 PM

Work Order: 20040277
Lab ID: 20040277-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0017	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Indeno(1,2,3-cd)pyrene	U		0.0018	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Naphthalene	U		0.0022	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Pyrene	U		0.00084	0.0051	mg/Kg-dry	1	4/8/2020 19:44
Surr: 2-Fluorobiphenyl	77.5			20-140	%REC	1	4/8/2020 19:44
Surr: 4-Terphenyl-d14	53.1			22-172	%REC	1	4/8/2020 19:44
Surr: Nitrobenzene-d5	55.5			28-140	%REC	1	4/8/2020 19:44
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0085	0.049	mg/Kg-dry	1	4/6/2020 23:24
Ethylbenzene	U		0.010	0.049	mg/Kg-dry	1	4/6/2020 23:24
m,p-Xylene	U		0.066	0.099	mg/Kg-dry	1	4/6/2020 23:24
o-Xylene	U		0.019	0.049	mg/Kg-dry	1	4/6/2020 23:24
Toluene	U		0.014	0.049	mg/Kg-dry	1	4/6/2020 23:24
Xylenes, Total	U		0.066	0.15	mg/Kg-dry	1	4/6/2020 23:24
Surr: 1,2-Dichloroethane-d4	110			70-130	%REC	1	4/6/2020 23:24
Surr: 4-Bromofluorobenzene	100			70-130	%REC	1	4/6/2020 23:24
Surr: Dibromofluoromethane	100			70-130	%REC	1	4/6/2020 23:24
Surr: Toluene-d8	93.3			70-130	%REC	1	4/6/2020 23:24
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	4.5		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	10		1.1	1.3	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.1	1.3	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	21		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	7.17		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	19.8		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS5
Collection Date: 4/1/2020 12:45 PM

Work Order: 20040277
Lab ID: 20040277-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/7/20		Analyst: AK
DRO (C10-C28)	12		3.3	12	mg/Kg-dry	1	4/8/2020 13:07
Surr: 4-Terphenyl-d14	85.7			33-111	%REC	1	4/8/2020 13:07
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		2.8	6.7	mg/Kg	1	4/7/2020 06:41
Surr: Toluene-d8	103			71-123	%REC	1	4/7/2020 06:41
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/8/20		Analyst: MAC
Mercury	0.023	J	0.016	0.023	mg/Kg-dry	1	4/9/2020 09:11
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	6.8		0.049	0.40	mg/Kg-dry	1	4/8/2020 22:34
Barium	130		0.37	0.40	mg/Kg-dry	1	4/8/2020 22:34
Cadmium	0.35		0.024	0.16	mg/Kg-dry	1	4/8/2020 22:34
Chromium	9.9		0.18	0.40	mg/Kg-dry	1	4/8/2020 22:34
Copper	13		0.40	0.40	mg/Kg-dry	1	4/8/2020 22:34
Lead	18		0.19	0.40	mg/Kg-dry	1	4/8/2020 22:34
Nickel	17		0.21	0.40	mg/Kg-dry	1	4/8/2020 22:34
Selenium	1.3		0.37	0.40	mg/Kg-dry	1	4/8/2020 22:34
Silver	0.063	J	0.053	0.40	mg/Kg-dry	1	4/8/2020 22:34
Zinc	67		0.79	0.81	mg/Kg-dry	1	4/8/2020 22:34
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	1,300		2.5	5.0	mg/L	10	4/9/2020 16:59
Magnesium	91		0.50	2.0	mg/L	10	4/9/2020 16:59
Sodium	19		0.45	2.0	mg/L	10	4/9/2020 16:59
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	0.14		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.00093	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Anthracene	U		0.0016	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Benzo(a)anthracene	U		0.0020	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Benzo(a)pyrene	U		0.0013	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Benzo(b)fluoranthene	U		0.0011	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Benzo(k)fluoranthene	U		0.0014	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Chrysene	U		0.00098	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Dibenzo(a,h)anthracene	U		0.0011	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Fluoranthene	U		0.00088	0.0048	mg/Kg-dry	1	4/8/2020 20:00

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS5
Collection Date: 4/1/2020 12:45 PM

Work Order: 20040277
Lab ID: 20040277-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0016	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Indeno(1,2,3-cd)pyrene	U		0.0017	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Naphthalene	U		0.0021	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Pyrene	U		0.00079	0.0048	mg/Kg-dry	1	4/8/2020 20:00
Surr: 2-Fluorobiphenyl	81.8			20-140	%REC	1	4/8/2020 20:00
Surr: 4-Terphenyl-d14	78.4			22-172	%REC	1	4/8/2020 20:00
Surr: Nitrobenzene-d5	71.0			28-140	%REC	1	4/8/2020 20:00
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0069	0.040	mg/Kg-dry	1	4/6/2020 23:40
Ethylbenzene	U		0.0085	0.040	mg/Kg-dry	1	4/6/2020 23:40
m,p-Xylene	U		0.054	0.080	mg/Kg-dry	1	4/6/2020 23:40
o-Xylene	U		0.016	0.040	mg/Kg-dry	1	4/6/2020 23:40
Toluene	U		0.011	0.040	mg/Kg-dry	1	4/6/2020 23:40
Xylenes, Total	U		0.054	0.12	mg/Kg-dry	1	4/6/2020 23:40
Surr: 1,2-Dichloroethane-d4	114			70-130	%REC	1	4/6/2020 23:40
Surr: 4-Bromofluorobenzene	107			70-130	%REC	1	4/6/2020 23:40
Surr: Dibromofluoromethane	103			70-130	%REC	1	4/6/2020 23:40
Surr: Toluene-d8	101			70-130	%REC	1	4/6/2020 23:40
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	7.0		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	9.9		1.0	1.2	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	17		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	7.73		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	19.9		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS6
Collection Date: 4/1/2020 01:00 PM

Work Order: 20040277
Lab ID: 20040277-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/8/20		Analyst: RM
DRO (C10-C28)	16		3.5	12	mg/Kg-dry	1	4/8/2020 19:39
Surr: 4-Terphenyl-d14	94.3			33-111	%REC	1	4/8/2020 19:39
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		2.9	7.0	mg/Kg	1	4/7/2020 07:04
Surr: Toluene-d8	104			71-123	%REC	1	4/7/2020 07:04
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/10/20		Analyst: MAC
Mercury	0.028		0.014	0.021	mg/Kg-dry	1	4/10/2020 11:41
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	6.7		0.047	0.39	mg/Kg-dry	1	4/8/2020 22:36
Barium	120		0.36	0.39	mg/Kg-dry	1	4/8/2020 22:36
Cadmium	0.23		0.023	0.16	mg/Kg-dry	1	4/8/2020 22:36
Chromium	9.2		0.17	0.39	mg/Kg-dry	1	4/8/2020 22:36
Copper	12		0.39	0.39	mg/Kg-dry	1	4/8/2020 22:36
Lead	18		0.19	0.39	mg/Kg-dry	1	4/8/2020 22:36
Nickel	16		0.20	0.39	mg/Kg-dry	1	4/8/2020 22:36
Selenium	1.2		0.36	0.39	mg/Kg-dry	1	4/8/2020 22:36
Silver	0.069	J	0.051	0.39	mg/Kg-dry	1	4/8/2020 22:36
Zinc	62		0.76	0.78	mg/Kg-dry	1	4/8/2020 22:36
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	930		2.5	5.0	mg/L	10	4/9/2020 17:01
Magnesium	55		0.50	2.0	mg/L	10	4/9/2020 17:01
Sodium	18		0.45	2.0	mg/L	10	4/9/2020 17:01
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	0.16		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.00097	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Anthracene	U		0.0017	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Benzo(a)anthracene	U		0.0021	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Benzo(a)pyrene	U		0.0014	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Benzo(b)fluoranthene	U		0.0012	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Benzo(k)fluoranthene	U		0.0015	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Chrysene	U		0.0010	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Dibenzo(a,h)anthracene	U		0.0012	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Fluoranthene	U		0.00092	0.0050	mg/Kg-dry	1	4/8/2020 20:15

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS6
Collection Date: 4/1/2020 01:00 PM

Work Order: 20040277
Lab ID: 20040277-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0017	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Indeno(1,2,3-cd)pyrene	U		0.0018	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Naphthalene	U		0.0022	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Pyrene	U		0.00083	0.0050	mg/Kg-dry	1	4/8/2020 20:15
Surr: 2-Fluorobiphenyl	104			20-140	%REC	1	4/8/2020 20:15
Surr: 4-Terphenyl-d14	98.3			22-172	%REC	1	4/8/2020 20:15
Surr: Nitrobenzene-d5	83.4			28-140	%REC	1	4/8/2020 20:15
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0072	0.042	mg/Kg-dry	1	4/6/2020 23:57
Ethylbenzene	U		0.0088	0.042	mg/Kg-dry	1	4/6/2020 23:57
m,p-Xylene	U		0.056	0.084	mg/Kg-dry	1	4/6/2020 23:57
o-Xylene	U		0.016	0.042	mg/Kg-dry	1	4/6/2020 23:57
Toluene	U		0.011	0.042	mg/Kg-dry	1	4/6/2020 23:57
Xylenes, Total	U		0.056	0.13	mg/Kg-dry	1	4/6/2020 23:57
Surr: 1,2-Dichloroethane-d4	95.4			70-130	%REC	1	4/6/2020 23:57
Surr: 4-Bromofluorobenzene	101			70-130	%REC	1	4/6/2020 23:57
Surr: Dibromofluoromethane	96.2			70-130	%REC	1	4/6/2020 23:57
Surr: Toluene-d8	99.2			70-130	%REC	1	4/6/2020 23:57
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	6.3		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	9.2		1.0	1.2	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	18		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	7.65		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	19.8		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS7
Collection Date: 4/1/2020 01:15 PM

Work Order: 20040277
Lab ID: 20040277-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/8/20		Analyst: RM
DRO (C10-C28)	12		3.4	12	mg/Kg-dry	1	4/9/2020 03:25
Surr: 4-Terphenyl-d14	95.0			33-111	%REC	1	4/9/2020 03:25
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 4/6/20		Analyst: AK
GRO (C6-C10)	U		3.3	7.9	mg/Kg	1	4/7/2020 07:27
Surr: Toluene-d8	99.5			71-123	%REC	1	4/7/2020 07:27
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/10/20		Analyst: MAC
Mercury	0.023		0.014	0.021	mg/Kg-dry	1	4/10/2020 11:44
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	5.6		0.048	0.40	mg/Kg-dry	1	4/8/2020 22:38
Barium	110		0.37	0.40	mg/Kg-dry	1	4/8/2020 22:38
Cadmium	0.21		0.024	0.16	mg/Kg-dry	1	4/8/2020 22:38
Chromium	9.7		0.17	0.40	mg/Kg-dry	1	4/8/2020 22:38
Copper	12		0.40	0.40	mg/Kg-dry	1	4/8/2020 22:38
Lead	17		0.19	0.40	mg/Kg-dry	1	4/8/2020 22:38
Nickel	15		0.21	0.40	mg/Kg-dry	1	4/8/2020 22:38
Selenium	1.0		0.37	0.40	mg/Kg-dry	1	4/8/2020 22:38
Silver	0.082	J	0.052	0.40	mg/Kg-dry	1	4/8/2020 22:38
Zinc	62		0.78	0.79	mg/Kg-dry	1	4/8/2020 22:38
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	46		2.5	5.0	mg/L	10	4/9/2020 17:02
Magnesium	18		0.50	2.0	mg/L	10	4/9/2020 17:02
Sodium	85		0.45	2.0	mg/L	10	4/9/2020 17:02
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	2.7		0.010	0.010	none	1	4/9/2020
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW846 8270D		Prep: SW3546 / 4/8/20		Analyst: EEW
Acenaphthene	U		0.0010	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Anthracene	U		0.0017	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Benzo(a)anthracene	U		0.0021	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Benzo(a)pyrene	U		0.0014	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Benzo(b)fluoranthene	U		0.0012	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Benzo(k)fluoranthene	U		0.0015	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Chrysene	U		0.0011	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Dibenzo(a,h)anthracene	U		0.0012	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Fluoranthene	U		0.00095	0.0051	mg/Kg-dry	1	4/8/2020 20:31

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-SS7
Collection Date: 4/1/2020 01:15 PM

Work Order: 20040277
Lab ID: 20040277-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		0.0017	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Indeno(1,2,3-cd)pyrene	U		0.0019	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Naphthalene	U		0.0022	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Pyrene	U		0.00085	0.0051	mg/Kg-dry	1	4/8/2020 20:31
Surr: 2-Fluorobiphenyl	93.5			20-140	%REC	1	4/8/2020 20:31
Surr: 4-Terphenyl-d14	86.8			22-172	%REC	1	4/8/2020 20:31
Surr: Nitrobenzene-d5	80.3			28-140	%REC	1	4/8/2020 20:31
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 4/6/20		Analyst: MF
Benzene	U		0.0082	0.048	mg/Kg-dry	1	4/7/2020 12:13
Ethylbenzene	U		0.010	0.048	mg/Kg-dry	1	4/7/2020 12:13
m,p-Xylene	U		0.064	0.095	mg/Kg-dry	1	4/7/2020 12:13
o-Xylene	U		0.018	0.048	mg/Kg-dry	1	4/7/2020 12:13
Toluene	U		0.013	0.048	mg/Kg-dry	1	4/7/2020 12:13
Xylenes, Total	U		0.064	0.14	mg/Kg-dry	1	4/7/2020 12:13
Surr: 1,2-Dichloroethane-d4	106			70-130	%REC	1	4/7/2020 12:13
Surr: 4-Bromofluorobenzene	106			70-130	%REC	1	4/7/2020 12:13
Surr: Dibromofluoromethane	102			70-130	%REC	1	4/7/2020 12:13
Surr: Toluene-d8	99.2			70-130	%REC	1	4/7/2020 12:13
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	0.73		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	9.7		1.0	1.2	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	19		0.10	0.10	% of sample	1	4/8/2020 11:49
PH			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	9.13		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	19.9		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-BG1
Collection Date: 4/1/2020 12:00 PM

Work Order: 20040277
Lab ID: 20040277-08
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 4/8/20		Analyst: MAC
Mercury	0.021	J	0.015	0.022	mg/Kg-dry	1	4/9/2020 09:24
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 4/8/20		Analyst: STP
Arsenic	8.6		0.059	0.49	mg/Kg-dry	1	4/8/2020 22:40
Barium	170		4.5	4.9	mg/Kg-dry	10	4/9/2020 16:35
Boron	13		1.9	2.0	mg/Kg-dry	1	4/8/2020 22:40
Cadmium	0.45		0.030	0.20	mg/Kg-dry	1	4/8/2020 22:40
Chromium	13		0.22	0.49	mg/Kg-dry	1	4/8/2020 22:40
Copper	16		0.49	0.49	mg/Kg-dry	1	4/8/2020 22:40
Lead	23		0.24	0.49	mg/Kg-dry	1	4/8/2020 22:40
Nickel	19		0.26	0.49	mg/Kg-dry	1	4/8/2020 22:40
Selenium	1.5		0.45	0.49	mg/Kg-dry	1	4/8/2020 22:40
Silver	0.071	J	0.065	0.49	mg/Kg-dry	1	4/8/2020 22:40
Zinc	74		0.97	0.99	mg/Kg-dry	1	4/8/2020 22:40
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Calcium	55		2.5	5.0	mg/L	10	4/9/2020 17:04
Magnesium	5.1		0.50	2.0	mg/L	10	4/9/2020 17:04
Sodium	11		0.45	2.0	mg/L	10	4/9/2020 17:04
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: STP
Sodium Adsorption Ratio	0.37		0.010	0.010	none	1	4/9/2020
ELECTRICAL CONDUCTIVITY (SAR)							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 4/9/20		Analyst: QTN
Electrical Conductivity @ Saturation	0.32		0.011	0.10	mmhos/cm @25°	20	4/9/2020 16:05
CHROMIUM, TRIVALENT							
			Method: CALCULATION				Analyst: JZB
Chromium, Trivalent	13		1.1	1.3	mg/Kg-dry	1	4/9/2020 15:53
CHROMIUM, HEXAVALENT							
			Method: SW7196A		Prep: SW3060A / 4/8/20		Analyst: KTP
Chromium, Hexavalent	U		1.1	1.3	mg/Kg-dry	1	4/9/2020 14:05
MOISTURE							
			Method: SW3550C				Analyst: KTP
Moisture	22		0.10	0.10	% of sample	1	4/8/2020 11:49
PH							
			Method: SW9045D		Prep: EXTRACT / 4/4/20		Analyst: DVD
pH	8.17		0.10	0.100	s.u.	1	4/5/2020 11:30
Temperature	20.0		0.10	0.100	°C	1	4/5/2020 11:30

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

ALS Group, USA

Date: 10-Apr-20

Client: Entrada Consulting Group
Project: FEE 43 Spill
Sample ID: FEE43-BG2
Collection Date: 4/1/2020 01:30 PM

Work Order: 20040277
Lab ID: 20040277-09
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
METALS ANALYSIS BY ICP							
Arsenic	6.0		0.11	0.43	mg/Kg-dry	1	4/7/2020 19:49
MOISTURE							
Moisture	11		0.10	0.10	% of sample	1	4/8/2020 11:49

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154303** Instrument ID **GC8** Method: **SW8015D**

MBLK		Sample ID: DBLKS1-154303-154303				Units: mg/Kg		Analysis Date: 4/7/2020 08:16 PM		
Client ID:		Run ID: GC8_200407A				SeqNo: 6345509		Prep Date: 4/7/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	6.252	10								J
<i>Surr: 4-Terphenyl-d14</i>	2.772	0	3.33	0	83.2	33-111	0			

LCS		Sample ID: DLCSS1-154303-154303				Units: mg/Kg		Analysis Date: 4/7/2020 08:55 PM		
Client ID:		Run ID: GC8_200407A				SeqNo: 6345510		Prep Date: 4/7/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	343	10	333	0	103	80-121	0			
<i>Surr: 4-Terphenyl-d14</i>	2.514	0	3.33	0	75.5	33-111	0			

MS		Sample ID: 20040272-01A MS				Units: mg/Kg		Analysis Date: 4/7/2020 09:34 PM		
Client ID:		Run ID: GC8_200407A				SeqNo: 6345511		Prep Date: 4/7/2020		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	518.1	99	328.7	147.8	113	80-121	0			
<i>Surr: 4-Terphenyl-d14</i>	1.671	0	3.287	0	50.8	33-111	0			

MSD		Sample ID: 20040272-01A MSD				Units: mg/Kg		Analysis Date: 4/7/2020 10:13 PM		
Client ID:		Run ID: GC8_200407A				SeqNo: 6345512		Prep Date: 4/7/2020		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	503.8	99	330.5	147.8	108	80-121	518.1	2.79	30	
<i>Surr: 4-Terphenyl-d14</i>	1.858	0	3.305	0	56.2	33-111	1.671	10.6	30	

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154359** Instrument ID **GC8** Method: **SW8015D**

MBLK		Sample ID: DBLKS1-154359-154359				Units: mg/Kg		Analysis Date: 4/8/2020 05:04 PM		
Client ID:		Run ID: GC8_200408A				SeqNo: 6347877		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	U	10								
Surr: 4-Terphenyl-d14	3.391	0	3.33	0	102	33-111	0			

LCS		Sample ID: DLCSS1-154359-154359				Units: mg/Kg		Analysis Date: 4/8/2020 05:43 PM		
Client ID:		Run ID: GC8_200408A				SeqNo: 6347878		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	363.2	10	333	0	109	80-121	0			
Surr: 4-Terphenyl-d14	3.08	0	3.33	0	92.5	33-111	0			

MS		Sample ID: 20040277-06A MS				Units: mg/Kg		Analysis Date: 4/8/2020 06:22 PM		
Client ID: FEE43-SS6		Run ID: GC8_200408A				SeqNo: 6347879		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	342.7	9.8	325.7	13.4	101	80-121	0			
Surr: 4-Terphenyl-d14	2.803	0	3.257	0	86.1	33-111	0			

MSD		Sample ID: 20040277-06A MSD				Units: mg/Kg		Analysis Date: 4/8/2020 07:01 PM		
Client ID: FEE43-SS6		Run ID: GC8_200408A				SeqNo: 6347880		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28)	360.5	9.9	328.6	13.4	106	80-121	342.7	5.04	30	
Surr: 4-Terphenyl-d14	2.924	0	3.286	0	89	33-111	2.803	4.24	30	

The following samples were analyzed in this batch:

20040277-06A	20040277-07A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154259** Instrument ID **GC10** Method: **SW8015D**

MBLK		Sample ID: MBLK-154259-154259				Units: µg/Kg-dry		Analysis Date: 4/6/2020 10:57 PM		
Client ID:		Run ID: GC10_200406A				SeqNo: 6343942		Prep Date: 4/6/2020		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	4952	0	5000	0	99	71-123	0			

LCS		Sample ID: LCS-154259-154259				Units: µg/Kg-dry		Analysis Date: 4/6/2020 10:34 PM		
Client ID:		Run ID: GC10_200406A				SeqNo: 6343941		Prep Date: 4/6/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	238000	5,000	250000	0	95.2	71-123	0			
Surr: Toluene-d8	5245	0	5000	0	105	71-123	0			

MS		Sample ID: 20040277-01A MS				Units: µg/Kg-dry		Analysis Date: 4/7/2020 08:13 AM		
Client ID: FEE43-SS1		Run ID: GC10_200406A				SeqNo: 6343964		Prep Date: 4/6/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	522900	7,000	348000	0	150	71-123	0			S
Surr: Toluene-d8	8333	0	6959	0	120	71-123	0			

MSD		Sample ID: 20040277-01A MSD				Units: µg/Kg-dry		Analysis Date: 4/7/2020 08:37 AM		
Client ID: FEE43-SS1		Run ID: GC10_200406A				SeqNo: 6343965		Prep Date: 4/6/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10)	395100	6,900	347000	0	114	71-123	522900	27.8	30	
Surr: Toluene-d8	7156	0	6940	0	103	71-123	8333	15.2	30	

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A		

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154361** Instrument ID **HG4** Method: **SW7471B**

MBLK		Sample ID: MBLK-154361-154361				Units: mg/Kg		Analysis Date: 4/9/2020 12:08 PM		
Client ID:		Run ID: HG4_200409A				SeqNo: 6347272		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury U 0.019

LCS		Sample ID: LCS-154361-154361				Units: mg/Kg		Analysis Date: 4/9/2020 12:11 PM		
Client ID:		Run ID: HG4_200409A				SeqNo: 6347273		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1847 0.017 0.1403 0 132 80-120 0 S

MS		Sample ID: 20040295-01AMS				Units: mg/Kg		Analysis Date: 4/9/2020 09:30 AM		
Client ID:		Run ID: HG4_200409A				SeqNo: 6346672		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.2072 0.018 0.1539 0.0819 81.4 75-125 0

MSD		Sample ID: 20040295-01AMSD				Units: mg/Kg		Analysis Date: 4/9/2020 09:32 AM		
Client ID:		Run ID: HG4_200409A				SeqNo: 6346674		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.2022 0.019 0.1542 0.0819 78 75-125 0.2072 2.48 35

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A	20040277-08A	

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154446** Instrument ID **HG4** Method: **SW7471B**

MBLK		Sample ID: MBLK-154446-154446				Units: mg/Kg		Analysis Date: 4/10/2020 11:14 AM		
Client ID:		Run ID: HG4_200410A				SeqNo: 6349553		Prep Date: 4/10/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury U 0.020

LCS		Sample ID: LCS-154446-154446				Units: mg/Kg		Analysis Date: 4/10/2020 11:16 AM		
Client ID:		Run ID: HG4_200410A				SeqNo: 6349554		Prep Date: 4/10/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1958 0.020 0.1665 0 118 80-120 0

MS		Sample ID: 20040274-04AMS				Units: mg/Kg		Analysis Date: 4/10/2020 11:21 AM		
Client ID:		Run ID: HG4_200410A				SeqNo: 6349556		Prep Date: 4/10/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1584 0.016 0.137 0.02017 101 75-125 0

MSD		Sample ID: 20040274-04AMSD				Units: mg/Kg		Analysis Date: 4/10/2020 11:23 AM		
Client ID:		Run ID: HG4_200410A				SeqNo: 6349557		Prep Date: 4/10/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1556 0.016 0.1357 0.02017 99.8 75-125 0.1584 1.82 35

The following samples were analyzed in this batch:

20040277-02A	20040277-03A	20040277-04A
20040277-06A	20040277-07A	

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154308** Instrument ID **ICP2** Method: **SW6010D**

MBLK		Sample ID: MBLK-154308-154308				Units: mg/Kg		Analysis Date: 4/7/2020 06:49 PM		
Client ID:		Run ID: ICP2_200407A				SeqNo: 6345074		Prep Date: 4/7/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic U 0.23

LCS		Sample ID: LCS-154308-154308				Units: mg/Kg		Analysis Date: 4/7/2020 07:04 PM		
Client ID:		Run ID: ICP2_200407A				SeqNo: 6345077		Prep Date: 4/7/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic 4.274 0.23 4.651 0 91.9 80-120 0

MS		Sample ID: 20040071-01AMS				Units: mg/Kg		Analysis Date: 4/7/2020 07:14 PM		
Client ID:		Run ID: ICP2_200407A				SeqNo: 6345079		Prep Date: 4/7/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic 9.616 0.36 7.133 3.629 83.9 75-125 0

MSD		Sample ID: 20040071-01AMSD				Units: mg/Kg		Analysis Date: 4/7/2020 07:19 PM		
Client ID:		Run ID: ICP2_200407A				SeqNo: 6345080		Prep Date: 4/7/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Arsenic 9.431 0.35 7.082 3.629 81.9 75-125 9.616 1.94 20

The following samples were analyzed in this batch:

20040277-09A

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154372** Instrument ID **ICPMS3** Method: **SW6020B**

MBLK		Sample ID: MBLK-154372-154372				Units: mg/Kg		Analysis Date: 4/8/2020 10:01 PM		
Client ID:		Run ID: ICPMS3_200408B				SeqNo: 6346257		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.22								
Boron	U	0.89								
Cadmium	U	0.089								
Chromium	U	0.22								
Copper	U	0.22								
Lead	U	0.22								
Nickel	U	0.22								
Selenium	U	0.22								
Silver	U	0.22								
Zinc	U	0.45								

MBLK		Sample ID: MBLK-154372-154372				Units: mg/Kg		Analysis Date: 4/9/2020 04:18 PM		
Client ID:		Run ID: ICPMS3_200409B				SeqNo: 6349291		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	U	0.22								

LCS		Sample ID: LCS-154372-154372				Units: mg/Kg		Analysis Date: 4/8/2020 10:03 PM		
Client ID:		Run ID: ICPMS3_200408B				SeqNo: 6346258		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.296	0.25	4.926	0	87.2	80-120	0			
Barium	4.354	0.25	4.926	0	88.4	80-120	0			
Boron	21.96	0.99	24.63	0	89.2	80-120	0			
Cadmium	4.415	0.099	4.926	0	89.6	80-120	0			
Chromium	4.615	0.25	4.926	0	93.7	80-120	0			
Copper	4.524	0.25	4.926	0	91.8	80-120	0			
Lead	4.383	0.25	4.926	0	89	80-120	0			
Nickel	4.337	0.25	4.926	0	88	80-120	0			
Selenium	4.42	0.25	4.926	0	89.7	80-120	0			
Silver	4.31	0.25	4.926	0	87.5	80-120	0			
Zinc	5.864	0.49	4.926	0	119	80-120	0			

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154372** Instrument ID **ICPMS3** Method: **SW6020B**

MS				Sample ID: 20040295-01AMS			Units: mg/Kg		Analysis Date: 4/8/2020 10:46 PM	
Client ID:		Run ID: ICPMS3_200408B			SeqNo: 6346281		Prep Date: 4/8/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.768	0.32	6.452	1.918	106	75-125	0			
Barium	127	0.32	6.452	120.5	101	75-125	0			EO
Boron	43.9	1.3	32.26	11.08	102	75-125	0			
Cadmium	6.557	0.13	6.452	0.2231	98.2	75-125	0			
Chromium	27.48	0.32	6.452	21.37	94.7	75-125	0			
Lead	5.735	0.32	6.452	2.252	54	75-125	0			S
Nickel	11.39	0.32	6.452	5.161	96.6	75-125	0			
Selenium	9.173	0.32	6.452	1.825	114	75-125	0			
Silver	6.892	0.32	6.452	0.9044	92.8	75-125	0			

MS				Sample ID: 20040295-01AMS			Units: mg/Kg		Analysis Date: 4/9/2020 04:38 PM	
Client ID:		Run ID: ICPMS3_200409B			SeqNo: 6349303		Prep Date: 4/8/2020		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Zinc	168.7	6.5	6.452	161.6	110	75-125	0			O

MS				Sample ID: 20040295-01AMS			Units: mg/Kg		Analysis Date: 4/10/2020 02:48 PM	
Client ID:		Run ID: ICPMS3_200410B			SeqNo: 6350317		Prep Date: 4/8/2020		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Copper	138.9	32	6.452	119.5	302	75-125	0			SO

MSD				Sample ID: 20040295-01AMSD			Units: mg/Kg		Analysis Date: 4/8/2020 10:47 PM	
Client ID:		Run ID: ICPMS3_200408B			SeqNo: 6346282		Prep Date: 4/8/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	8.96	0.32	6.418	1.918	110	75-125	8.768	2.16	20	
Barium	127.5	0.32	6.418	120.5	109	75-125	127	0.387	20	EO
Boron	44.95	1.3	32.09	11.08	106	75-125	43.9	2.38	20	
Cadmium	6.83	0.13	6.418	0.2231	103	75-125	6.557	4.09	20	
Chromium	27.7	0.32	6.418	21.37	98.6	75-125	27.48	0.795	20	
Lead	5.839	0.32	6.418	2.252	55.9	75-125	5.735	1.8	20	S
Nickel	11.51	0.32	6.418	5.161	98.9	75-125	11.39	0.977	20	
Selenium	9.853	0.32	6.418	1.825	125	75-125	9.173	7.15	20	S
Silver	7.077	0.32	6.418	0.9044	96.2	75-125	6.892	2.65	20	

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154372** Instrument ID **ICPMS3** Method: **SW6020B**

MSD		Sample ID: 20040295-01AMSD				Units: mg/Kg		Analysis Date: 4/9/2020 04:40 PM			
Client ID:		Run ID: ICPMS3_200409B				SeqNo: 6349304		Prep Date: 4/8/2020		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Zinc	170.9	6.4	6.418	161.6	145	75-125	168.7	1.29	20	SO	

MSD		Sample ID: 20040295-01AMSD				Units: mg/Kg		Analysis Date: 4/10/2020 02:50 PM			
Client ID:		Run ID: ICPMS3_200410B				SeqNo: 6350318		Prep Date: 4/8/2020		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Copper	133.1	32	6.418	119.5	212	75-125	138.9	4.31	20	SO	

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A	20040277-08A	

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154416** Instrument ID **ICPMS4** Method: **SW6020B**

DUP	Sample ID: 20040273-01BDUP					Units: mg/L		Analysis Date: 4/9/2020 04:33 PM		
Client ID:	Run ID: ICPMS4_200409A				SeqNo: 6348311		Prep Date: 4/9/2020		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	37.93	5.0	0	0	0	0-0	48.39	24.2		
Magnesium	4.639	2.0	0	0	0	0-0	5.318	13.7		
Sodium	6.057	2.0	0	0	0	0-0	7.039	15		

The following samples were analyzed in this batch:

20040277-01B	20040277-02B	20040277-03B
20040277-04B	20040277-05B	20040277-06B
20040277-07B	20040277-08B	

Batch ID: **154416** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP	Sample ID: 20040273-01BDUP					Units: none		Analysis Date: 4/9/2020		
Client ID:	Run ID: SAR_200409A				SeqNo: 6348389		Prep Date: 4/9/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.247	0.010	0	0	0		0.2564	3.71	50	

The following samples were analyzed in this batch:

20040277-01B	20040277-02B	20040277-03B
20040277-04B	20040277-05B	20040277-06B
20040277-07B	20040277-08B	

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154358** Instrument ID **SVMS6** Method: **SW846 8270D**

MBLK				Sample ID: SBLKS1-154358-154358			Units: µg/Kg		Analysis Date: 4/8/2020 04:54 PM		
Client ID:			Run ID: SVMS6_200408A			SeqNo: 6346939		Prep Date: 4/8/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	U	4.2									
Anthracene	U	4.2									
Benzo(a)anthracene	U	4.2									
Benzo(a)pyrene	U	4.2									
Benzo(b)fluoranthene	U	4.2									
Benzo(k)fluoranthene	U	4.2									
Chrysene	U	4.2									
Dibenzo(a,h)anthracene	U	4.2									
Fluoranthene	U	4.2									
Fluorene	U	4.2									
Indeno(1,2,3-cd)pyrene	U	4.2									
Naphthalene	U	4.2									
Pyrene	U	4.2									
<i>Surr: 2-Fluorobiphenyl</i>	<i>3617</i>	<i>0</i>	<i>3333</i>	<i>0</i>	<i>109</i>	<i>20-140</i>		<i>0</i>			
<i>Surr: 4-Terphenyl-d14</i>	<i>3153</i>	<i>0</i>	<i>3333</i>	<i>0</i>	<i>94.6</i>	<i>22-172</i>		<i>0</i>			
<i>Surr: Nitrobenzene-d5</i>	<i>2887</i>	<i>0</i>	<i>3333</i>	<i>0</i>	<i>86.6</i>	<i>28-140</i>		<i>0</i>			

LCS				Sample ID: SLCSS1-154358-154358			Units: µg/Kg		Analysis Date: 4/8/2020 05:09 PM		
Client ID:			Run ID: SVMS6_200408A			SeqNo: 6346940		Prep Date: 4/8/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1017	4.2	1333	0	76.3	40-140	0				
Anthracene	1093	4.2	1333	0	82	40-140	0				
Benzo(a)anthracene	1003	4.2	1333	0	75.3	40-140	0				
Benzo(a)pyrene	963.4	4.2	1333	0	72.3	40-140	0				
Benzo(b)fluoranthene	943.5	4.2	1333	0	70.8	40-140	0				
Benzo(k)fluoranthene	975.1	4.2	1333	0	73.2	40-140	0				
Chrysene	1016	4.2	1333	0	76.2	40-140	0				
Dibenzo(a,h)anthracene	974.3	4.2	1333	0	73.1	40-140	0				
Fluoranthene	1173	4.2	1333	0	88	40-140	0				
Fluorene	1070	4.2	1333	0	80.3	40-140	0				
Indeno(1,2,3-cd)pyrene	994.7	4.2	1333	0	74.6	40-140	0				
Naphthalene	1089	4.2	1333	0	81.7	40-140	0				
Pyrene	1022	4.2	1333	0	76.7	40-140	0				
Surr: 2-Fluorobiphenyl	3538	0	3333	0	106	20-140	0				
Surr: 4-Terphenyl-d14	3134	0	3333	0	94	22-172	0				
Surr: Nitrobenzene-d5	2521	0	3333	0	75.6	28-140	0				

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: 154358 Instrument ID SVMS6 Method: SW846 8270D

MS				Sample ID: 20040467-01A MS			Units: µg/Kg		Analysis Date: 4/8/2020 05:25 PM		
Client ID:		Run ID: SVMS6_200408A			SeqNo: 6346941		Prep Date: 4/8/2020		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	927.1	4.1	1306	0	71	40-140	0				
Anthracene	1012	4.1	1306	0	77.5	40-140	0				
Benzo(a)anthracene	941	4.1	1306	0	72.1	40-140	0				
Benzo(a)pyrene	925.3	4.1	1306	0	70.9	40-140	0				
Benzo(b)fluoranthene	926.5	4.1	1306	0	71	40-140	0				
Benzo(k)fluoranthene	887.4	4.1	1306	0	68	40-140	0				
Chrysene	956.5	4.1	1306	0	73.3	40-140	0				
Dibenzo(a,h)anthracene	953.9	4.1	1306	0	73.1	40-140	0				
Fluoranthene	1074	4.1	1306	0	82.2	40-140	0				
Fluorene	971.2	4.1	1306	0	74.4	40-140	0				
Indeno(1,2,3-cd)pyrene	955.3	4.1	1306	0	73.2	40-140	0				
Naphthalene	1007	4.1	1306	0	77.1	40-140	0				
Pyrene	1007	4.1	1306	0	77.1	40-140	0				
Surr: 2-Fluorobiphenyl	3304	0	3265	0	101	20-140	0				
Surr: 4-Terphenyl-d14	3099	0	3265	0	94.9	22-172	0				
Surr: Nitrobenzene-d5	2431	0	3265	0	74.5	28-140	0				

MSD				Sample ID: 20040467-01A MSD				Units: µg/Kg		Analysis Date: 4/8/2020 05:40 PM	
Client ID:			Run ID: SVMS6_200408A			SeqNo: 6346942		Prep Date: 4/8/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	809.7	4.0	1266	0	64	40-140	927.1	13.5	30		
Anthracene	885.3	4.0	1266	0	69.9	40-140	1012	13.3	30		
Benzo(a)anthracene	818.1	4.0	1266	0	64.6	40-140	941	14	30		
Benzo(a)pyrene	806.5	4.0	1266	0	63.7	40-140	925.3	13.7	30		
Benzo(b)fluoranthene	807.1	4.0	1266	0	63.8	40-140	926.5	13.8	30		
Benzo(k)fluoranthene	764	4.0	1266	0	60.3	40-140	887.4	14.9	30		
Chrysene	828.6	4.0	1266	0	65.5	40-140	956.5	14.3	30		
Dibenzo(a,h)anthracene	827.1	4.0	1266	0	65.3	40-140	953.9	14.2	30		
Fluoranthene	940.9	4.0	1266	0	74.3	40-140	1074	13.2	30		
Fluorene	852.7	4.0	1266	0	67.4	40-140	971.2	13	30		
Indeno(1,2,3-cd)pyrene	834.5	4.0	1266	0	65.9	40-140	955.3	13.5	30		
Naphthalene	891.1	4.0	1266	0	70.4	40-140	1007	12.2	30		
Pyrene	841.1	4.0	1266	0	66.4	40-140	1007	18	30		
Surr: 2-Fluorobiphenyl	2928	0	3165	0	92.5	20-140	3304	12.1	0		
Surr: 4-Terphenyl-d14	2654	0	3165	0	83.8	22-172	3099	15.5	0		
Surr: Nitrobenzene-d5	2207	0	3165	0	69.7	28-140	2431	9.63	0		

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154358** Instrument ID **SVMS6** Method: **SW846 8270D**

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A		

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154258** Instrument ID **VMS8** Method: **SW8260C**

MBLK		Sample ID: MBLK-154258-154258				Units: µg/Kg-dry		Analysis Date: 4/6/2020 08:58 PM		
Client ID:		Run ID: VMS8_200406B				SeqNo: 6342483		Prep Date: 4/6/2020		DF: 1
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	1062	0	1000	0	106	70-130	0			
Surr: 4-Bromofluorobenzene	1006	0	1000	0	101	70-130	0			
Surr: Dibromofluoromethane	940	0	1000	0	94	70-130	0			
Surr: Toluene-d8	961.5	0	1000	0	96.2	70-130	0			

LCS		Sample ID: LCS-154258-154258				Units: µg/Kg-dry		Analysis Date: 4/6/2020 08:09 PM		
Client ID:		Run ID: VMS8_200406B				SeqNo: 6342482		Prep Date: 4/6/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1077	30	1000	0	108	75-125	0			
Ethylbenzene	1047	30	1000	0	105	75-125	0			
m,p-Xylene	2084	60	2000	0	104	80-125	0			
o-Xylene	1052	30	1000	0	105	75-125	0			
Toluene	1093	30	1000	0	109	70-125	0			
Xylenes, Total	3136	90	3000	0	105	75-125	0			
Surr: 1,2-Dichloroethane-d4	1032	0	1000	0	103	70-130	0			
Surr: 4-Bromofluorobenzene	1006	0	1000	0	101	70-130	0			
Surr: Dibromofluoromethane	1054	0	1000	0	105	70-130	0			
Surr: Toluene-d8	971	0	1000	0	97.1	70-130	0			

MS		Sample ID: 20040277-01A MS				Units: µg/Kg-dry		Analysis Date: 4/7/2020 02:39 AM		
Client ID: FEE43-SS1		Run ID: VMS8_200406B				SeqNo: 6342501		Prep Date: 4/6/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1443	42	1392	0	104	75-125	0			
Ethylbenzene	1435	42	1392	0	103	75-125	0			
m,p-Xylene	3048	84	2784	0	109	80-125	0			
o-Xylene	1457	42	1392	0	105	75-125	0			
Toluene	1756	42	1392	0	126	70-125	0			S
Xylenes, Total	4505	130	4176	0	108	75-125	0			
Surr: 1,2-Dichloroethane-d4	1293	0	1392	0	92.9	70-130	0			
Surr: 4-Bromofluorobenzene	1404	0	1392	0	101	70-130	0			
Surr: Dibromofluoromethane	1415	0	1392	0	102	70-130	0			
Surr: Toluene-d8	1389	0	1392	0	99.8	70-130	0			

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154258** Instrument ID **VMS8** Method: **SW8260C**

MSD				Sample ID: 20040277-01A MSD			Units: µg/Kg-dry		Analysis Date: 4/7/2020 02:55 AM	
Client ID: FEE43-SS1				Run ID: VMS8_200406B			SeqNo: 6342502		Prep Date: 4/6/2020	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1420	42	1388	0	102	75-125	1443	1.63	30	
Ethylbenzene	1351	42	1388	0	97.3	75-125	1435	6.06	30	
m,p-Xylene	2776	83	2776	0	100	80-125	3048	9.34	30	
o-Xylene	1386	42	1388	0	99.9	75-125	1457	5.01	30	
Toluene	1496	42	1388	0	108	70-125	1756	16	30	
Xylenes, Total	4162	120	4164	0	100	75-125	4505	7.92	30	
Surr: 1,2-Dichloroethane-d4	1395	0	1388	0	100	70-130	1293	7.59	30	
Surr: 4-Bromofluorobenzene	1448	0	1388	0	104	70-130	1404	3.04	30	
Surr: Dibromofluoromethane	1383	0	1388	0	99.6	70-130	1415	2.31	30	
Surr: Toluene-d8	1355	0	1388	0	97.6	70-130	1389	2.5	30	

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A		

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154229** Instrument ID **WETCHEM** Method: **SW9045D**

LCS				Sample ID: LCS-154229-154229				Units: s.u.			Analysis Date: 4/5/2020 11:30 AM			
Client ID:				Run ID: WETCHEM_200405B				SeqNo: 6340320			Prep Date: 4/4/2020		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		3.97	0.10	4	0	99.2	90-110	0						

DUP				Sample ID: 20040260-01A DUP				Units: s.u.			Analysis Date: 4/5/2020 11:30 AM			
Client ID:				Run ID: WETCHEM_200405B				SeqNo: 6340322			Prep Date: 4/4/2020		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		7.36	0.10	0	0	0	0-0	7.69	4.39	20				
Temperature		20	0.10	0	0	0		19.8	1.01					

DUP				Sample ID: 20040274-05A DUP				Units: s.u.			Analysis Date: 4/5/2020 11:30 AM			
Client ID:				Run ID: WETCHEM_200405B				SeqNo: 6340325			Prep Date: 4/4/2020		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		8.43	0.10	0	0	0	0-0	8.43	0	20				
Temperature		19.9	0.10	0	0	0		20	0.501					

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A	20040277-08A	

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154416** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP		Sample ID: 20040273-01B DUP				Units: mmhos/cm @25°		Analysis Date: 4/9/2020 04:05 PM		
Client ID:		Run ID: WETCHEM_200409W				SeqNo: 6348165		Prep Date: 4/9/2020		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.4046	0.10	0	0	0		0.3994	1.29	50	

The following samples were analyzed in this batch:

20040277-01B	20040277-02B	20040277-03B
20040277-04B	20040277-05B	20040277-06B
20040277-07B	20040277-08B	

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154425** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-154425-154425				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347837		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 0.99

LCS		Sample ID: LCS-154425-154425				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347838		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.713 0.99 4.95 0 95.2 80-120 0

MS		Sample ID: 20040275-02A MS				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347840		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.63 1.0 5 0.4216 84.2 75-125 0

MS		Sample ID: 20040275-02A MSI				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347842		Prep Date: 4/8/2020		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2287 99 2310 0.4216 99 75-125 0

MS		Sample ID: 20040467-01A MS				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347853		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1.667 0.98 4.902 0.3 27.9 75-125 0 S

MS		Sample ID: 20040467-01A MSI				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347855		Prep Date: 4/8/2020		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2107 97 2093 0.3 101 75-125 0

MSD		Sample ID: 20040275-02A MSD				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM		
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347841		Prep Date: 4/8/2020		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 5.27 1.0 5 0.4216 97 75-125 4.63 12.9 20

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

Client: Entrada Consulting Group
Work Order: 20040277
Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **154425** Instrument ID **WETCHEM** Method: **SW7196A**

MSD		Sample ID: 20040467-01A MSD				Units: mg/Kg		Analysis Date: 4/9/2020 02:05 PM			
Client ID:		Run ID: WETCHEM_200409S				SeqNo: 6347854		Prep Date: 4/8/2020		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Chromium, Hexavalent	1.307	0.99	4.95	0.3	20.3	75-125	0.3	125	20	SR	

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A	20040277-08A	

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

Client: Entrada Consulting Group
 Work Order: 20040277
 Project: FEE 43 Spill

QC BATCH REPORT

Batch ID: **R286272** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R286272				Units: % of sample		Analysis Date: 4/8/2020 11:49 AM		
Client ID:		Run ID: MOIST_200408A				SeqNo: 6347072		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture U 0.10

LCS		Sample ID: LCS-R286272				Units: % of sample		Analysis Date: 4/8/2020 11:49 AM		
Client ID:		Run ID: MOIST_200408A				SeqNo: 6347071		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 99.99 0.10 100 0 100 98-102 0

DUP		Sample ID: 20040277-01A DUP				Units: % of sample		Analysis Date: 4/8/2020 11:49 AM		
Client ID: FEE43-SS1		Run ID: MOIST_200408A				SeqNo: 6347053		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 15.17 0.10 0 0 0 0-0 15.2 0.198 10

DUP		Sample ID: 20040277-09A DUP				Units: % of sample		Analysis Date: 4/8/2020 11:49 AM		
Client ID: FEE43-BG2		Run ID: MOIST_200408A				SeqNo: 6347062		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 11.04 0.10 0 0 0 0-0 11.12 0.722 10

The following samples were analyzed in this batch:

20040277-01A	20040277-02A	20040277-03A
20040277-04A	20040277-05A	20040277-06A
20040277-07A	20040277-08A	20040277-09A

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



Environmental

Chain of Custody Form

Page 1 of 1

COC ID: 123456

☐ Cincinnati, OH
+1 513 733 5336

☐ Everett, WA
+1 425 356 2600

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+1 970 490 1511

☒ Holland, MI
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☐ 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

ALS Project Manager:

Work Order #:

20040277

Customer Information		Project Information					Parameter/Method Request for Analysis											
Purchase Order		Project Name	FEE 43 Spill				A TPH (GRO & DRO)											
Work Order		Project Number	018-085				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, STE C	Address					E Sodium Adsorption Ratio											
							F pH											
City/State/Zip	Grand Junction, CO 81501	City/State/Zip					G Metals (See Attached List) CO Table 910											
Phone	970.270.2986	Phone					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	FEE43-SS1	4/1/20	1115	Soil	8	2	X	X	X	X	X	X	X					
2	FEE43-SS2	4/1/20	1130	Soil	8	2	X	X	X	X	X	X	X					
3	FEE43-SS3	4/1/20	1145	Soil	8	2	X	X	X	X	X	X	X					
4	FEE43-SS4	4/1/20	1215	Soil	8	2	X	X	X	X	X	X	X					
5	FEE43-SS5	4/1/20	1245	Soil	8	2	X	X	X	X	X	X	X					
6	FEE43-SS6	4/1/20	1300	Soil	8	2	X	X	X	X	X	X	X					
7	FEE43-SS7	4/1/20	1315	Soil	8	2	X	X	X	X	X	X	X					
8	FEE43-BG1	4/1/20	1200	Soil	8	2				X	X	X	X					
9	FEE43-BG2	4/1/20	1330	Soil	8	1								X				
10																		

Sampler(s): Please Print & Sign Jason McLarty		Shipment Method: FedEx		Required Turnaround Time: <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		Results Due Date:	
Relinquished by: J McLarty		Date: 4/2/20	Time: 1000	Received by: [Signature]		Notes: Chevron Pricing Applies - Per Bruce Schlatter	
Relinquished by: [Signature]		Date: 4-2-20	Time: 1230	Received by (Laboratory): [Signature]		Cooler Temp. 38°	
Logged by (Laboratory): KJ		Date: 4/3/20	Time: 1615	Checked by (Laboratory): [Signature]		QC Package: (Check Box Below) <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:	
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035							

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

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Sample Receipt Checklist

Client Name: **ENTRADA**

Date/Time Received: **03-Apr-20 09:00**

Work Order: **20040277**

Received by: **KRW**

Checklist completed by **Chad Whelton**

03-Apr-20

Reviewed by: **Chad Whelton**

03-Apr-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** **SR2**

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: **4/3/2020 4:51:48 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: