



14-May-2021

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

Re: **FEE 113X Spill**

Work Order: **21050114**

Dear Tim,

ALS Environmental received 4 samples on 03-May-2021 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 17.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton", is written over a faint, light-colored signature line.

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

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Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Entrada Consulting Group
Project: FEE 113X Spill
Work Order: 21050114

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>
21050114-01	FEE113X-SS5	Soil		4/29/2021 08:30	5/3/2021 10:00	<input type="checkbox"/>
21050114-02	FEE113X-SS1	Soil		4/29/2021 08:50	5/3/2021 10:00	<input type="checkbox"/>
21050114-03	FEE113X-SS2	Soil		4/29/2021 09:10	5/3/2021 10:00	<input type="checkbox"/>
21050114-04	FEE113X-DGSS	Soil		4/29/2021 09:30	5/3/2021 10:00	<input type="checkbox"/>

Client: Entrada Consulting Group

Project: FEE 113X Spill

Work Order: 21050114

Case Narrative

Batch 176227, Method SW8270E, Sample FEE113X-SS1 (21050114-02A): One or more PAH surrogate recoveries were below the lower control limits. The sample results may be biased low.

<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-dry	Milligrams per Kilogram Dry Weight
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
s.u.	Standard Units

ALS Group, USA

Date: 14-May-21

Client: Entrada Consulting Group
Project: FEE 113X Spill
Sample ID: FEE113X-SS5
Collection Date: 4/29/2021 08:30 AM

Work Order: 21050114
Lab ID: 21050114-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			Method: SW8015D		Prep: SW3550 / 5/6/21		Analyst: JZB
DRO (C10-C28)	33		3.2	11	mg/Kg-dry	1	5/10/2021 13:05
<i>Surr: 4-Terphenyl-d14</i>	52.4			33-111	%REC	1	5/10/2021 13:05
GASOLINE RANGE ORGANICS BY GC-FID			Method: SW8015D		Prep: SW5035A / 5/4/21		Analyst: JZB
GRO (C6-C10)	U		2.1	5.0	mg/Kg-dry	1	5/6/2021 09:20
<i>Surr: Toluene-d8</i>	95.2			71-123	%REC	1	5/6/2021 09:20
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			Method: SW8270E		Prep: SW3546 / 5/5/21		Analyst: EEW
Acenaphthene	U		0.0039	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Anthracene	U		0.0042	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Benzo(a)anthracene	U		0.0045	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Benzo(a)pyrene	U		0.0037	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Benzo(b)fluoranthene	U		0.0039	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Benzo(k)fluoranthene	U		0.0038	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Chrysene	U		0.0042	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Dibenzo(a,h)anthracene	U		0.0038	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Fluoranthene	U		0.0037	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Fluorene	U		0.0036	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Indeno(1,2,3-cd)pyrene	U		0.0040	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Naphthalene	U		0.0045	0.0046	mg/Kg-dry	1	5/5/2021 18:02
Pyrene	U		0.0044	0.0046	mg/Kg-dry	1	5/5/2021 18:02
<i>Surr: 2-Fluorobiphenyl</i>	84.6			20-140	%REC	1	5/5/2021 18:02
<i>Surr: 4-Terphenyl-d14</i>	65.8			22-172	%REC	1	5/5/2021 18:02
<i>Surr: Nitrobenzene-d5</i>	78.9			28-140	%REC	1	5/5/2021 18:02
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	13		0.10	0.10	% of sample	1	5/12/2021 16:35
SOIL PH MEASURED IN WATER AT NOTED TEMP.			Method: SW9045D		Prep: SW9045D / 5/5/21		Analyst: QTN
pH	8.37		0.10	0.10	s.u.	1	5/6/2021 10:37
Temperature	20.3		0.10	0.10	°C	1	5/6/2021 10:37

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

ALS Group, USA

Date: 14-May-21

Client: Entrada Consulting Group
Project: FEE 113X Spill
Sample ID: FEE113X-SS1
Collection Date: 4/29/2021 08:50 AM

Work Order: 21050114
Lab ID: 21050114-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			Method: SW8270E		Prep: SW3546 / 5/5/21		Analyst: EEW
Acenaphthene	U		0.0039	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Anthracene	U		0.0041	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Benzo(a)anthracene	U		0.0044	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Benzo(a)pyrene	U		0.0036	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Benzo(b)fluoranthene	U		0.0038	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Benzo(k)fluoranthene	U		0.0037	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Chrysene	U		0.0042	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Dibenzo(a,h)anthracene	U		0.0037	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Fluoranthene	U		0.0036	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Fluorene	U		0.0035	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Indeno(1,2,3-cd)pyrene	U		0.0040	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Naphthalene	U		0.0044	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Pyrene	U		0.0044	0.0045	mg/Kg-dry	1	5/5/2021 18:18
Surr: 2-Fluorobiphenyl	35.7			20-140	%REC	1	5/5/2021 18:18
Surr: 4-Terphenyl-d14	17.0	S		22-172	%REC	1	5/5/2021 18:18
Surr: Nitrobenzene-d5	19.8	S		28-140	%REC	1	5/5/2021 18:18
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	11		0.10	0.10	% of sample	1	5/12/2021 16:35

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

ALS Group, USA

Date: 14-May-21

Client: Entrada Consulting Group
Project: FEE 113X Spill
Sample ID: FEE113X-SS2
Collection Date: 4/29/2021 09:10 AM

Work Order: 21050114
Lab ID: 21050114-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS) Method: SW8270E Prep: SW3546 / 5/5/21 Analyst: EEW							
Acenaphthene	U		0.013	0.016	mg/Kg-dry	1	5/5/2021 18:33
Anthracene	U		0.014	0.016	mg/Kg-dry	1	5/5/2021 18:33
Benzo(a)anthracene	U		0.015	0.016	mg/Kg-dry	1	5/5/2021 18:33
Benzo(a)pyrene	U		0.013	0.016	mg/Kg-dry	1	5/5/2021 18:33
Benzo(b)fluoranthene	U		0.013	0.016	mg/Kg-dry	1	5/5/2021 18:33
Benzo(k)fluoranthene	U		0.013	0.016	mg/Kg-dry	1	5/5/2021 18:33
Chrysene	U		0.014	0.016	mg/Kg-dry	1	5/5/2021 18:33
Dibenzo(a,h)anthracene	U		0.013	0.016	mg/Kg-dry	1	5/5/2021 18:33
Fluoranthene	U		0.012	0.016	mg/Kg-dry	1	5/5/2021 18:33
Fluorene	U		0.012	0.016	mg/Kg-dry	1	5/5/2021 18:33
Indeno(1,2,3-cd)pyrene	U		0.014	0.016	mg/Kg-dry	1	5/5/2021 18:33
Naphthalene	U		0.015	0.016	mg/Kg-dry	1	5/5/2021 18:33
Pyrene	U		0.015	0.016	mg/Kg-dry	1	5/5/2021 18:33
Surr: 2-Fluorobiphenyl	86.1			20-140	%REC	1	5/5/2021 18:33
Surr: 4-Terphenyl-d14	94.7			22-172	%REC	1	5/5/2021 18:33
Surr: Nitrobenzene-d5	91.7			28-140	%REC	1	5/5/2021 18:33
ELECTRICAL CONDUCTIVITY (SAR) Method: USDA H60 METHOD 20B Prep: USDA Method 20B / 5/13/21 Analyst: QTN							
Electrical Conductivity @ Saturation	3.2		0.011	0.10	mmhos/cm @25°C	20	5/13/2021 18:42
MOISTURE Method: SW3550C Analyst: KTP							
Moisture	27		0.10	0.10	% of sample	1	5/12/2021 16:35

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

ALS Group, USA

Date: 14-May-21

Client: Entrada Consulting Group
Project: FEE 113X Spill
Sample ID: FEE113X-DGSS
Collection Date: 4/29/2021 09:30 AM

Work Order: 21050114
Lab ID: 21050114-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)			Method: SW8270E		Prep: SW3546 / 5/5/21		Analyst: EEW
Acenaphthene	U		0.012	0.015	mg/Kg-dry	1	5/5/2021 18:49
Anthracene	U		0.013	0.015	mg/Kg-dry	1	5/5/2021 18:49
Benzo(a)anthracene	U		0.014	0.015	mg/Kg-dry	1	5/5/2021 18:49
Benzo(a)pyrene	U		0.012	0.015	mg/Kg-dry	1	5/5/2021 18:49
Benzo(b)fluoranthene	U		0.012	0.015	mg/Kg-dry	1	5/5/2021 18:49
Benzo(k)fluoranthene	U		0.012	0.015	mg/Kg-dry	1	5/5/2021 18:49
Chrysene	U		0.013	0.015	mg/Kg-dry	1	5/5/2021 18:49
Dibenzo(a,h)anthracene	U		0.012	0.015	mg/Kg-dry	1	5/5/2021 18:49
Fluoranthene	U		0.012	0.015	mg/Kg-dry	1	5/5/2021 18:49
Fluorene	U		0.011	0.015	mg/Kg-dry	1	5/5/2021 18:49
Indeno(1,2,3-cd)pyrene	U		0.013	0.015	mg/Kg-dry	1	5/5/2021 18:49
Naphthalene	U		0.014	0.015	mg/Kg-dry	1	5/5/2021 18:49
Pyrene	U		0.014	0.015	mg/Kg-dry	1	5/5/2021 18:49
Surr: 2-Fluorobiphenyl	85.0			20-140	%REC	1	5/5/2021 18:49
Surr: 4-Terphenyl-d14	94.7			22-172	%REC	1	5/5/2021 18:49
Surr: Nitrobenzene-d5	90.2			28-140	%REC	1	5/5/2021 18:49
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	24		0.10	0.10	% of sample	1	5/12/2021 16:35

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

Client: Entrada Consulting Group
Work Order: 21050114
Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: **176290** Instrument ID **GC8** Method: **SW8015D**

MBLK		Sample ID: DBLKS1-176290-176290				Units: mg/Kg		Analysis Date: 5/6/2021 05:49 PM		
Client ID:		Run ID: GC8_210506B				SeqNo: 7373425		Prep Date: 5/6/2021		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								
<i>Surr: 4-Terphenyl-d14</i>	2.052	0	3.33	0	61.6	33-111	0			

LCS		Sample ID: DLCSS1-176290-176290				Units: mg/Kg		Analysis Date: 5/7/2021 12:32 PM		
Client ID:		Run ID: GC8_210507A				SeqNo: 7373450		Prep Date: 5/6/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	314.2	10	333	0	94.4	64-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.873	0	3.33	0	56.3	33-111	0			

MS		Sample ID: 21050098-03A MS				Units: mg/Kg		Analysis Date: 5/6/2021 07:08 PM		
Client ID:		Run ID: GC8_210506B				SeqNo: 7373427		Prep Date: 5/6/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	311.9	9.7	321.6	4.119	95.7	64-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.709	0	3.216	0	53.2	33-111	0			

MSD		Sample ID: 21050098-03A MSD				Units: mg/Kg		Analysis Date: 5/6/2021 07:48 PM		
Client ID:		Run ID: GC8_210506B				SeqNo: 7373428		Prep Date: 5/6/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	297.8	9.8	327.1	4.119	89.8	64-130	311.9	4.62	30	
<i>Surr: 4-Terphenyl-d14</i>	1.653	0	3.271	0	50.5	33-111	1.709	3.35	30	

The following samples were analyzed in this batch: 21050114-01A

Client: Entrada Consulting Group
 Work Order: 21050114
 Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: **176156** Instrument ID **GC9** Method: **SW8015D**

MBLK		Sample ID: MBLK-176156-176156				Units: µg/Kg-dry		Analysis Date: 5/5/2021 07:46 AM		
Client ID:		Run ID: GC9_210504A		SeqNo: 7364529		Prep Date: 5/4/2021		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	0	0	0	0	0			
<i>Surr: Toluene-d8</i>	<i>4984</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>99.7</i>	<i>71-123</i>	<i>0</i>			

LCS		Sample ID: LCS-176156-176156				Units: µg/Kg-dry		Analysis Date: 5/5/2021 10:03 AM		
Client ID:		Run ID: GC9_210504A		SeqNo: 7364536		Prep Date: 5/4/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	216000	5,000	250000	0	86.4	71-123	0			
<i>Surr: Toluene-d8</i>	<i>4710</i>	<i>0</i>	<i>5000</i>	<i>0</i>	<i>94.2</i>	<i>71-123</i>	<i>0</i>			

MS		Sample ID: 21050109-01A MS				Units: µg/Kg-dry		Analysis Date: 5/5/2021 09:18 AM		
Client ID:		Run ID: GC9_210504A		SeqNo: 7364533		Prep Date: 5/4/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	311800	6,800	340800	0	91.5	71-123	0			
<i>Surr: Toluene-d8</i>	<i>6422</i>	<i>0</i>	<i>6817</i>	<i>0</i>	<i>94.2</i>	<i>71-123</i>	<i>0</i>			

MSD		Sample ID: 21050109-01A MSD				Units: µg/Kg-dry		Analysis Date: 5/5/2021 09:40 AM		
Client ID:		Run ID: GC9_210504A		SeqNo: 7364534		Prep Date: 5/4/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	286000	6,800	338800	0	84.4	71-123	311800	8.63	30	
<i>Surr: Toluene-d8</i>	<i>6476</i>	<i>0</i>	<i>6777</i>	<i>0</i>	<i>95.6</i>	<i>71-123</i>	<i>6422</i>	<i>0.832</i>	<i>30</i>	

The following samples were analyzed in this batch: 21050114-01A

Client: Entrada Consulting Group
 Work Order: 21050114
 Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: 176227 Instrument ID SVMS6 Method: SW8270E

MBLK				Sample ID: SBLKS1-176227-176227			Units: µg/Kg		Analysis Date: 5/5/2021 02:09 PM		
Client ID:		Run ID: SVMS6_210505A		SeqNo: 7368908		Prep Date: 5/5/2021		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									
Surr: 2-Fluorobiphenyl	2797	0	3333	0	83.9	20-140	0				
Surr: 4-Terphenyl-d14	2660	0	3333	0	79.8	22-172	0				
Surr: Nitrobenzene-d5	2927	0	3333	0	87.8	28-140	0				

LCS				Sample ID: SLCSS1-176227-176227			Units: µg/Kg		Analysis Date: 5/5/2021 02:25 PM		
Client ID:		Run ID: SVMS6_210505A		SeqNo: 7368912		Prep Date: 5/5/2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1182	4.2	1333	0	88.7	40-140	0				
Anthracene	1193	4.2	1333	0	89.5	40-140	0				
Benzo(a)anthracene	1156	4.2	1333	0	86.7	40-140	0				
Benzo(a)pyrene	988.4	4.2	1333	0	74.1	40-140	0				
Benzo(b)fluoranthene	1004	4.2	1333	0	75.3	40-140	0				
Benzo(k)fluoranthene	947.9	4.2	1333	0	71.1	40-140	0				
Chrysene	1154	4.2	1333	0	86.6	40-140	0				
Dibenzo(a,h)anthracene	974.1	4.2	1333	0	73.1	40-140	0				
Fluoranthene	1230	4.2	1333	0	92.3	40-140	0				
Fluorene	1138	4.2	1333	0	85.4	40-140	0				
Indeno(1,2,3-cd)pyrene	1045	4.2	1333	0	78.4	40-140	0				
Naphthalene	1196	4.2	1333	0	89.8	40-140	0				
Pyrene	1114	4.2	1333	0	83.5	40-140	0				
Surr: 2-Fluorobiphenyl	2910	0	3333	0	87.3	20-140	0				
Surr: 4-Terphenyl-d14	2718	0	3333	0	81.5	22-172	0				
Surr: Nitrobenzene-d5	2444	0	3333	0	73.3	28-140	0				

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

Client: Entrada Consulting Group
 Work Order: 21050114
 Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: 176227 Instrument ID SVMS6 Method: SW8270E

MS				Sample ID: 21050266-01B MS			Units: µg/Kg		Analysis Date: 5/5/2021 02:40 PM		
Client ID:		Run ID: SVMS6_210505A		SeqNo: 7368914		Prep Date: 5/5/2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1045	4.0	1264	0	82.7	40-140	0				
Anthracene	1053	4.0	1264	0	83.3	40-140	0				
Benzo(a)anthracene	1002	4.0	1264	0	79.3	40-140	0				
Benzo(a)pyrene	875.2	4.0	1264	0	69.2	40-140	0				
Benzo(b)fluoranthene	938.3	4.0	1264	1.942	74.1	40-140	0				
Benzo(k)fluoranthene	848	4.0	1264	0	67.1	40-140	0				
Chrysene	993.3	4.0	1264	0	78.6	40-140	0				
Dibenzo(a,h)anthracene	816	4.0	1264	0	64.6	40-140	0				
Fluoranthene	1096	4.0	1264	0	86.7	40-140	0				
Fluorene	1006	4.0	1264	0	79.6	40-140	0				
Indeno(1,2,3-cd)pyrene	872.4	4.0	1264	0	69	40-140	0				
Naphthalene	1128	4.0	1264	0	89.2	40-140	0				
Pyrene	973.9	4.0	1264	0	77	40-140	0				
Surr: 2-Fluorobiphenyl	2560	0	3161	0	81	20-140	0				
Surr: 4-Terphenyl-d14	2388	0	3161	0	75.5	22-172	0				
Surr: Nitrobenzene-d5	2554	0	3161	0	80.8	28-140	0				

MSD				Sample ID: 21050266-01B MSD			Units: µg/Kg		Analysis Date: 5/5/2021 02:56 PM		
Client ID:		Run ID: SVMS6_210505A		SeqNo: 7368915		Prep Date: 5/5/2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1054	3.9	1261	0	83.6	40-140	1045	0.797	30		
Anthracene	1071	3.9	1261	0	85	40-140	1053	1.73	30		
Benzo(a)anthracene	1022	3.9	1261	0	81.1	40-140	1002	2.02	30		
Benzo(a)pyrene	890.1	3.9	1261	0	70.6	40-140	875.2	1.68	30		
Benzo(b)fluoranthene	941.8	3.9	1261	1.942	74.5	40-140	938.3	0.382	30		
Benzo(k)fluoranthene	843.5	3.9	1261	0	66.9	40-140	848	0.538	30		
Chrysene	1016	3.9	1261	0	80.6	40-140	993.3	2.3	30		
Dibenzo(a,h)anthracene	850.4	3.9	1261	0	67.4	40-140	816	4.13	30		
Fluoranthene	1043	3.9	1261	0	82.7	40-140	1096	5.02	30		
Fluorene	1016	3.9	1261	0	80.6	40-140	1006	0.999	30		
Indeno(1,2,3-cd)pyrene	892.4	3.9	1261	0	70.8	40-140	872.4	2.26	30		
Naphthalene	1103	3.9	1261	0	87.4	40-140	1128	2.28	30		
Pyrene	1069	3.9	1261	0	84.7	40-140	973.9	9.26	30		
Surr: 2-Fluorobiphenyl	2569	0	3153	0	81.5	20-140	2560	0.372	30		
Surr: 4-Terphenyl-d14	2531	0	3153	0	80.3	22-172	2388	5.83	30		
Surr: Nitrobenzene-d5	2515	0	3153	0	79.8	28-140	2554	1.53	30		

The following samples were analyzed in this batch:

21050114-01A	21050114-02A	21050114-03A
21050114-04A		

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

Client: Entrada Consulting Group
Work Order: 21050114
Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: **176276** Instrument ID **WETCHEM** Method: **SW9045D**

LCS		Sample ID: LCS-176276-176276				Units: s.u.		Analysis Date: 5/6/2021 10:37 AM			
Client ID:		Run ID: WETCHEM_210506C		SeqNo: 7368976		Prep Date: 5/5/2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	4.02	0.10	4	0	100	90-110	0				

DUP		Sample ID: 21050106-01A DUP				Units: s.u.		Analysis Date: 5/6/2021 10:37 AM			
Client ID:		Run ID: WETCHEM_210506C		SeqNo: 7368978		Prep Date: 5/5/2021		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	8.51	0.10	0	0	0	0-0	8.45	0.708	20		
Temperature	20.2	0.10	0	0	0		20.4	0.985			

The following samples were analyzed in this batch: 21050114-01A

Client: Entrada Consulting Group
Work Order: 21050114
Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: **176730** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 21050114-03A DUP				Units: mmhos/cm @25°		Analysis Date: 5/13/2021 06:42 PM		
Client ID: FEE113X-SS2		Run ID: WETCHEM_210513T		SeqNo: 7392780		Prep Date: 5/13/2021		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	3.246	0.10	0	0	0		3.168	2.43	50	

The following samples were analyzed in this batch:

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

Client: Entrada Consulting Group
 Work Order: 21050114
 Project: FEE 113X Spill

QC BATCH REPORT

Batch ID: **R316233** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R316233				Units: % of sample		Analysis Date: 5/12/2021 04:35 PM		
Client ID:		Run ID: MOIST_210512B		SeqNo: 7390013		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-R316233				Units: % of sample		Analysis Date: 5/12/2021 04:35 PM		
Client ID:		Run ID: MOIST_210512B		SeqNo: 7390012		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: 21050116-02A DUP				Units: % of sample		Analysis Date: 5/12/2021 04:35 PM		
Client ID:		Run ID: MOIST_210512B		SeqNo: 7390000		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 6.05 0.10 0 0 0 0-0 6.06 0.165 10

DUP		Sample ID: 21050506-03B DUP				Units: % of sample		Analysis Date: 5/12/2021 04:35 PM		
Client ID:		Run ID: MOIST_210512B		SeqNo: 7390007		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 8.76 0.10 0 0 0 0-0 9.21 5.01 10

The following samples were analyzed in this batch:

21050114-01A	21050114-02A	21050114-03A
21050114-04A		



Chain of Custody Form

Page 1 of 1

COC ID: 123456

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

Customer Information			ALS Project Manager:				Work Order #: <u>21050114</u>										
Purchase Order			Project Information				Parameter/Method Request for Analysis										
Project Name	FEE 113X Spill		A	TPH (GRO & DRO)													
Project Number			B	BTEX													
Company Name	Entrada Consulting Group		C	PAH (See Attached List) CO Table 910													
Bill To Company	Entrada Consulting Group		D	Electrical Conductivity													
Invoice Attn.	Tim Dobransky		E	Sodium Adsorption Ratio													
Address	330 Grand Ave Unit C		F	pH													
City/State/Zip	Grand Junction, CO 81501		G	Metals (See Attached List) CO Table 910													
Phone	970.270.2986		H	Arsenic Only													
Fax			I														
e-Mail Address	tdobransky@entradainc.com		J														
e-Mail Address	tdobransky@entradainc.com																
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	FEE113X-SS5	04/29/21	830	Soil	8	2	X		X			X					
2	FEE113X-SS1	04/29/21	850	Soil	8	1			X								
3	FEE113X-SS2	04/29/21	910	Soil	8	2			X	X							
4	FEE113X-DGSS	04/29/21	930	Soil	8	1			X								
5																	
6																	
7																	
8																	
9																	
10																	
Sampler(s): Please Print & Sign McLarty			Shipment Method: FedEx			Required Turnaround Time: <input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour					Results Due Date:						
Relinquished by:		Date:	Time:	Received by:		Notes: Chevron Pricing Applies - Per Bruce Schlatter											
Relinquished by:		Date: 4-30-21	Time: 1820	Received by (Laboratory):		Cooler Temp. 3.5°C		QC Package: (Check Box Below)									
Logged by (Laboratory):		Date: 5/3/21	Time: 1640	Checked by (Laboratory):		123		<input checked="" type="checkbox"/>	Level II: Standard QC								
									Level III: Std QC + Raw Data								
									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: **03-May-21 10:00**

Work Order: **21050114**

Received by: **KRW**

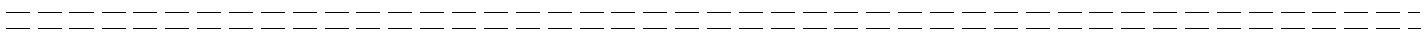
Checklist completed by Keith Wierenga 03-May-21
eSignature Date

Reviewed by: Chad Whelton 05-May-21
eSignature Date

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="3.5/4.5 C"/>		<input type="text" value="IR3"/>
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="5/3/2021 4:40:34 PM"/>		
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:	<input type="text"/>		

Login Notes:



Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: