



14-Sep-2021

Tim Dobransky
Entrada Consulting Group
330 Grand Ave.
Suite C
Grand Junction, CO 81501

Re: **MB Larson C11X25 Spill**

Work Order: **21090207**

Dear Tim,

ALS Environmental received 7 samples on 01-Sep-2021 02:30 PM 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 39.

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: MB Larson C11X25 Spill
Work Order: 21090207

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>
21090207-01	MBLARBC11X25-BG1	Soil		8/26/2021 10:45	9/1/2021 14:30	<input type="checkbox"/>
21090207-02	MBLARBC11X25-TP8 (8')	Soil		8/26/2021 12:50	9/1/2021 14:30	<input type="checkbox"/>
21090207-03	MBLARBC11X25-TP8 (10')	Soil		8/26/2021 12:55	9/1/2021 14:30	<input type="checkbox"/>
21090207-04	MBLARBC11X25-TP10 (10.5')	Soil		8/26/2021 13:15	9/1/2021 14:30	<input type="checkbox"/>
21090207-05	MBLARBC11X25-TP11 (10')	Soil		8/26/2021 13:35	9/1/2021 14:30	<input type="checkbox"/>
21090207-06	MBLARBC11X25-TP12 (8-10')	Soil		8/26/2021 14:25	9/1/2021 14:30	<input type="checkbox"/>
21090207-07	MBLARBC11X25-FL-NOC (4.5')	Soil		8/26/2021 14:40	9/1/2021 14:30	<input type="checkbox"/>

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg	Milligrams per Kilogram
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-BG1
Collection Date: 8/26/2021 10:45 AM

Work Order: 21090207
Lab ID: 21090207-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	4.7		0.048	0.40	mg/Kg	1	9/8/2021 00:21
Barium	74		0.37	0.40	mg/Kg	1	9/8/2021 00:21
Cadmium	0.035	J	0.024	0.16	mg/Kg	1	9/8/2021 00:21
Copper	11		0.40	0.40	mg/Kg	1	9/8/2021 00:21
Lead	13		0.19	0.40	mg/Kg	1	9/8/2021 00:21
Nickel	12		0.21	0.40	mg/Kg	1	9/8/2021 00:21
Selenium	1.1		0.37	0.40	mg/Kg	1	9/8/2021 00:21
Silver	0.061	J	0.053	0.40	mg/Kg	1	9/8/2021 00:21
Zinc	55		0.79	0.80	mg/Kg	1	9/8/2021 00:21
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/7/21		Analyst: DSC
Calcium	440		2.5	5.0	mg/L	10	9/7/2021 21:50
Magnesium	490		0.50	2.0	mg/L	10	9/7/2021 21:50
Sodium	1,200		1.8	2.0	mg/L	10	9/7/2021 21:50
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/3/21		Analyst: ABL
Boron (Hot Water Soluble)	3.2		0.016	0.40	mg/Kg	10	9/3/2021 21:05
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/7/21		Analyst: DSC
Sodium Adsorption Ratio	9.6		0.010	0.010	none	1	9/7/2021
ELECTRICAL CONDUCTIVITY (SAR)							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/7/21		Analyst: QTN
Electrical Conductivity @ Saturation	12		0.011	0.10	mmhos/cm @25°C	20	9/7/2021 16:13
CHROMIUM, HEXAVALENT							
			Method: SW7196A		Prep: SW3060A / 9/3/21		Analyst: RZM
Chromium, Hexavalent	U		0.85	1.0	mg/Kg	1	9/7/2021 16:42
PH MEASURED IN SOIL PASTE							
			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/7/21		Analyst: QTN
pH @ Saturation	7.28		0.10	0.10	s.u.	1	9/8/2021 09:27

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP8 (8')
Collection Date: 8/26/2021 12:50 PM

Work Order: 21090207
Lab ID: 21090207-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 9/7/21		Analyst: SJB
ERO (C10-C36)	320		8.5	22	mg/Kg-dry	1	9/8/2021 02:46
<i>Surr: 4-Terphenyl-d14</i>	67.2			33-111	%REC	1	9/8/2021 02:46
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035A / 9/3/21		Analyst: SJB
GRO (C6-C10)	U		2.7	6.5	mg/Kg-dry	1	9/12/2021 03:07
<i>Surr: Toluene-d8</i>	98.3			71-123	%REC	1	9/12/2021 03:07
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	5.7		0.049	0.41	mg/Kg-dry	1	9/7/2021 21:57
Barium	66		0.37	0.41	mg/Kg-dry	1	9/7/2021 21:57
Cadmium	0.065	J	0.024	0.16	mg/Kg-dry	1	9/7/2021 21:57
Copper	9.3		0.41	0.41	mg/Kg-dry	1	9/7/2021 21:57
Lead	15		0.20	0.41	mg/Kg-dry	1	9/7/2021 21:57
Nickel	14		0.21	0.41	mg/Kg-dry	1	9/7/2021 21:57
Selenium	1.2		0.37	0.41	mg/Kg-dry	1	9/7/2021 21:57
Silver	0.080	J	0.054	0.41	mg/Kg-dry	1	9/7/2021 21:57
Zinc	64		0.80	0.82	mg/Kg-dry	1	9/7/2021 21:57
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/8/21		Analyst: DSC
Calcium	470		2.5	5.0	mg/L	10	9/8/2021 14:50
Magnesium	210		0.50	2.0	mg/L	10	9/8/2021 14:50
Sodium	420		1.8	2.0	mg/L	10	9/8/2021 14:50
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/8/21		Analyst: DSC
Boron (Hot Water Soluble)	0.99		0.018	0.45	mg/Kg-dry	10	9/9/2021 01:35
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: STP
Sodium Adsorption Ratio	4.0		0.010	0.010	none	1	9/8/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 9/8/21		Analyst: EEW
1-Methylnaphthalene	U		0.0027	0.0046	mg/Kg-dry	1	9/9/2021 01:06
2-Methylnaphthalene	U		0.0032	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Acenaphthene	U		0.0039	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Anthracene	U		0.0041	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Benzo(a)anthracene	0.017		0.0044	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Benzo(a)pyrene	U		0.0037	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Benzo(b)fluoranthene	U		0.0039	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Benzo(k)fluoranthene	U		0.0037	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Chrysene	0.021		0.0042	0.0046	mg/Kg-dry	1	9/9/2021 01:06

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP8 (8')
Collection Date: 8/26/2021 12:50 PM

Work Order: 21090207
Lab ID: 21090207-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		0.0037	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Fluoranthene	U		0.0036	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Fluorene	U		0.0036	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Indeno(1,2,3-cd)pyrene	U		0.0040	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Naphthalene	U		0.0044	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Pyrene	U		0.0044	0.0046	mg/Kg-dry	1	9/9/2021 01:06
Surr: 2-Fluorobiphenyl	104			20-140	%REC	1	9/9/2021 01:06
Surr: 4-Terphenyl-d14	93.2			22-172	%REC	1	9/9/2021 01:06
Surr: Nitrobenzene-d5	94.7			28-140	%REC	1	9/9/2021 01:06
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035A / 9/3/21		Analyst: MF
1,2,4-Trimethylbenzene	U		0.029	0.039	mg/Kg-dry	1	9/6/2021 02:07
1,3,5-Trimethylbenzene	U		0.046	0.13	mg/Kg-dry	1	9/6/2021 02:07
Benzene	U		0.019	0.039	mg/Kg-dry	1	9/6/2021 02:07
Ethylbenzene	U		0.0083	0.039	mg/Kg-dry	1	9/6/2021 02:07
m,p-Xylene	U		0.052	0.078	mg/Kg-dry	1	9/6/2021 02:07
o-Xylene	U		0.015	0.039	mg/Kg-dry	1	9/6/2021 02:07
Toluene	U		0.011	0.039	mg/Kg-dry	1	9/6/2021 02:07
Xylenes, Total	U		0.052	0.12	mg/Kg-dry	1	9/6/2021 02:07
Surr: 1,2-Dichloroethane-d4	98.9			70-130	%REC	1	9/6/2021 02:07
Surr: 4-Bromofluorobenzene	101			70-130	%REC	1	9/6/2021 02:07
Surr: Dibromofluoromethane	97.5			70-130	%REC	1	9/6/2021 02:07
Surr: Toluene-d8	96.9			70-130	%REC	1	9/6/2021 02:07
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
Electrical Conductivity @ Saturation	7.0		0.011	0.10	mmhos/cm @25°C	20	9/8/2021 12:58
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 9/3/21		Analyst: RZM
Chromium, Hexavalent	U		0.95	1.1	mg/Kg-dry	1	9/7/2021 16:42
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	11		0.10	0.10	% of sample	1	9/7/2021 14:53
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
pH @ Saturation	7.92		0.11	0.11	s.u.-dry	1	9/8/2021 09:27

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP8 (10')
Collection Date: 8/26/2021 12:55 PM

Work Order: 21090207
Lab ID: 21090207-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 9/7/21		Analyst: SJB
ERO (C10-C36)	40		8.7	23	mg/Kg-dry	1	9/8/2021 03:24
Surr: 4-Terphenyl-d14	55.2			33-111	%REC	1	9/8/2021 03:24
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035A / 9/3/21		Analyst: SJB
GRO (C6-C10)	4.1	J	2.8	6.7	mg/Kg-dry	1	9/12/2021 03:29
Surr: Toluene-d8	94.2			71-123	%REC	1	9/12/2021 03:29
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	7.0		0.045	0.38	mg/Kg-dry	1	9/7/2021 22:00
Barium	120		0.35	0.38	mg/Kg-dry	1	9/7/2021 22:00
Cadmium	0.066	J	0.023	0.15	mg/Kg-dry	1	9/7/2021 22:00
Copper	15		0.38	0.38	mg/Kg-dry	1	9/7/2021 22:00
Lead	38		0.18	0.38	mg/Kg-dry	1	9/7/2021 22:00
Nickel	20		2.0	3.8	mg/Kg-dry	10	9/8/2021 13:20
Selenium	0.86		0.35	0.38	mg/Kg-dry	1	9/7/2021 22:00
Silver	0.084	J	0.050	0.38	mg/Kg-dry	1	9/7/2021 22:00
Zinc	78		0.74	0.76	mg/Kg-dry	1	9/7/2021 22:00
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/8/21		Analyst: DSC
Calcium	440		2.5	5.0	mg/L	10	9/8/2021 14:51
Magnesium	330		0.50	2.0	mg/L	10	9/8/2021 14:51
Sodium	1,000		1.8	2.0	mg/L	10	9/8/2021 14:51
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/8/21		Analyst: DSC
Boron (Hot Water Soluble)	0.73		0.018	0.46	mg/Kg-dry	10	9/9/2021 01:38
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: STP
Sodium Adsorption Ratio	8.9		0.010	0.010	none	1	9/8/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 9/8/21		Analyst: EEW
1-Methylnaphthalene	0.0036	J	0.0028	0.0048	mg/Kg-dry	1	9/9/2021 01:22
2-Methylnaphthalene	U		0.0033	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Acenaphthene	U		0.0041	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Anthracene	U		0.0043	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Benzo(a)anthracene	U		0.0046	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Benzo(a)pyrene	U		0.0038	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Benzo(b)fluoranthene	U		0.0040	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Benzo(k)fluoranthene	U		0.0039	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Chrysene	U		0.0044	0.0048	mg/Kg-dry	1	9/9/2021 01:22

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP8 (10')
Collection Date: 8/26/2021 12:55 PM

Work Order: 21090207
Lab ID: 21090207-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		0.0039	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Fluoranthene	U		0.0038	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Fluorene	U		0.0037	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Indeno(1,2,3-cd)pyrene	U		0.0042	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Naphthalene	U		0.0046	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Pyrene	U		0.0046	0.0048	mg/Kg-dry	1	9/9/2021 01:22
Surr: 2-Fluorobiphenyl	98.9			20-140	%REC	1	9/9/2021 01:22
Surr: 4-Terphenyl-d14	88.9			22-172	%REC	1	9/9/2021 01:22
Surr: Nitrobenzene-d5	93.0			28-140	%REC	1	9/9/2021 01:22
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035A / 9/3/21		Analyst: MF
1,2,4-Trimethylbenzene	U		0.029	0.040	mg/Kg-dry	1	9/6/2021 02:26
1,3,5-Trimethylbenzene	U		0.047	0.13	mg/Kg-dry	1	9/6/2021 02:26
Benzene	U		0.019	0.040	mg/Kg-dry	1	9/6/2021 02:26
Ethylbenzene	U		0.0084	0.040	mg/Kg-dry	1	9/6/2021 02:26
m,p-Xylene	U		0.053	0.080	mg/Kg-dry	1	9/6/2021 02:26
o-Xylene	U		0.015	0.040	mg/Kg-dry	1	9/6/2021 02:26
Toluene	U		0.011	0.040	mg/Kg-dry	1	9/6/2021 02:26
Xylenes, Total	U		0.053	0.12	mg/Kg-dry	1	9/6/2021 02:26
Surr: 1,2-Dichloroethane-d4	100			70-130	%REC	1	9/6/2021 02:26
Surr: 4-Bromofluorobenzene	102			70-130	%REC	1	9/6/2021 02:26
Surr: Dibromofluoromethane	100			70-130	%REC	1	9/6/2021 02:26
Surr: Toluene-d8	96.6			70-130	%REC	1	9/6/2021 02:26
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
Electrical Conductivity @ Saturation	11		0.011	0.10	mmhos/cm @25°C	20	9/8/2021 12:58
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 9/3/21		Analyst: RZM
Chromium, Hexavalent	U		0.98	1.2	mg/Kg-dry	1	9/7/2021 16:42
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	14		0.10	0.10	% of sample	1	9/7/2021 14:53
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
pH @ Saturation	8.37		0.12	0.12	s.u.-dry	1	9/8/2021 09:27

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP10 (10.5')
Collection Date: 8/26/2021 01:15 PM

Work Order: 21090207
Lab ID: 21090207-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 9/7/21		Analyst: SJB
ERO (C10-C36)	U		8.5	22	mg/Kg-dry	1	9/8/2021 04:01
Surr: 4-Terphenyl-d14	60.8			33-111	%REC	1	9/8/2021 04:01
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035A / 9/3/21		Analyst: SJB
GRO (C6-C10)	U		3.4	8.0	mg/Kg-dry	1	9/12/2021 03:51
Surr: Toluene-d8	100			71-123	%REC	1	9/12/2021 03:51
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	5.5		0.044	0.37	mg/Kg-dry	1	9/7/2021 22:03
Barium	77		0.34	0.37	mg/Kg-dry	1	9/7/2021 22:03
Cadmium	0.052	J	0.022	0.15	mg/Kg-dry	1	9/7/2021 22:03
Copper	10		0.37	0.37	mg/Kg-dry	1	9/7/2021 22:03
Lead	15		0.18	0.37	mg/Kg-dry	1	9/7/2021 22:03
Nickel	19		1.9	3.7	mg/Kg-dry	10	9/8/2021 13:21
Selenium	0.80		0.34	0.37	mg/Kg-dry	1	9/7/2021 22:03
Silver	0.068	J	0.049	0.37	mg/Kg-dry	1	9/7/2021 22:03
Zinc	60		0.73	0.74	mg/Kg-dry	1	9/7/2021 22:03
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/8/21		Analyst: DSC
Calcium	410		2.5	5.0	mg/L	10	9/8/2021 14:56
Magnesium	500		0.50	2.0	mg/L	10	9/8/2021 14:56
Sodium	1,200		1.8	2.0	mg/L	10	9/8/2021 14:56
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/8/21		Analyst: DSC
Boron (Hot Water Soluble)	1.1		0.019	0.46	mg/Kg-dry	10	9/9/2021 01:40
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: STP
Sodium Adsorption Ratio	9.2		0.010	0.010	none	1	9/8/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 9/8/21		Analyst: EEW
1-Methylnaphthalene	U		0.0028	0.0048	mg/Kg-dry	1	9/9/2021 01:37
2-Methylnaphthalene	U		0.0033	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Acenaphthene	U		0.0040	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Anthracene	U		0.0043	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Benzo(a)anthracene	U		0.0046	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Benzo(a)pyrene	U		0.0038	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Benzo(b)fluoranthene	U		0.0040	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Benzo(k)fluoranthene	U		0.0039	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Chrysene	U		0.0044	0.0048	mg/Kg-dry	1	9/9/2021 01:37

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP10 (10.5')
Collection Date: 8/26/2021 01:15 PM

Work Order: 21090207
Lab ID: 21090207-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		0.0039	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Fluoranthene	U		0.0038	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Fluorene	U		0.0037	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Indeno(1,2,3-cd)pyrene	U		0.0042	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Naphthalene	U		0.0046	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Pyrene	U		0.0046	0.0048	mg/Kg-dry	1	9/9/2021 01:37
Surr: 2-Fluorobiphenyl	104			20-140	%REC	1	9/9/2021 01:37
Surr: 4-Terphenyl-d14	94.6			22-172	%REC	1	9/9/2021 01:37
Surr: Nitrobenzene-d5	94.4			28-140	%REC	1	9/9/2021 01:37
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035A / 9/3/21		Analyst: MF
1,2,4-Trimethylbenzene	U		0.035	0.048	mg/Kg-dry	1	9/6/2021 02:46
1,3,5-Trimethylbenzene	U		0.056	0.16	mg/Kg-dry	1	9/6/2021 02:46
Benzene	U		0.023	0.048	mg/Kg-dry	1	9/6/2021 02:46
Ethylbenzene	U		0.010	0.048	mg/Kg-dry	1	9/6/2021 02:46
m,p-Xylene	U		0.064	0.096	mg/Kg-dry	1	9/6/2021 02:46
o-Xylene	U		0.019	0.048	mg/Kg-dry	1	9/6/2021 02:46
Toluene	U		0.013	0.048	mg/Kg-dry	1	9/6/2021 02:46
Xylenes, Total	U		0.064	0.14	mg/Kg-dry	1	9/6/2021 02:46
Surr: 1,2-Dichloroethane-d4	97.9			70-130	%REC	1	9/6/2021 02:46
Surr: 4-Bromofluorobenzene	103			70-130	%REC	1	9/6/2021 02:46
Surr: Dibromofluoromethane	98.6			70-130	%REC	1	9/6/2021 02:46
Surr: Toluene-d8	97.9			70-130	%REC	1	9/6/2021 02:46
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
Electrical Conductivity @ Saturation	13		0.011	0.10	mmhos/cm @25°C	20	9/8/2021 12:58
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 9/3/21		Analyst: RZM
Chromium, Hexavalent	U		0.98	1.2	mg/Kg-dry	1	9/7/2021 16:42
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	14		0.10	0.10	% of sample	1	9/7/2021 14:53
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
pH @ Saturation	7.94		0.12	0.12	s.u.-dry	1	9/8/2021 09:27

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP11 (10')
Collection Date: 8/26/2021 01:35 PM

Work Order: 21090207
Lab ID: 21090207-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 9/7/21		Analyst: SJB
ERO (C10-C36)	U		8.3	22	mg/Kg-dry	1	9/8/2021 04:38
Surr: 4-Terphenyl-d14	63.0			33-111	%REC	1	9/8/2021 04:38
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035A / 9/3/21		Analyst: SJB
GRO (C6-C10)	U		3.3	7.9	mg/Kg-dry	1	9/12/2021 04:13
Surr: Toluene-d8	99.8			71-123	%REC	1	9/12/2021 04:13
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	8.4		0.048	0.40	mg/Kg-dry	1	9/7/2021 22:05
Barium	65		0.37	0.40	mg/Kg-dry	1	9/7/2021 22:05
Cadmium	0.068	J	0.024	0.16	mg/Kg-dry	1	9/7/2021 22:05
Copper	12		0.40	0.40	mg/Kg-dry	1	9/7/2021 22:05
Lead	18		0.19	0.40	mg/Kg-dry	1	9/7/2021 22:05
Nickel	18		2.1	4.0	mg/Kg-dry	10	9/8/2021 13:23
Selenium	0.73		0.37	0.40	mg/Kg-dry	1	9/7/2021 22:05
Silver	0.079	J	0.053	0.40	mg/Kg-dry	1	9/7/2021 22:05
Zinc	68		0.79	0.81	mg/Kg-dry	1	9/7/2021 22:05
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/8/21		Analyst: DSC
Calcium	400		2.5	5.0	mg/L	10	9/8/2021 14:58
Magnesium	870		0.50	2.0	mg/L	10	9/8/2021 14:58
Sodium	2,300		18	20	mg/L	100	9/9/2021 15:10
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/8/21		Analyst: DSC
Boron (Hot Water Soluble)	0.95		0.018	0.45	mg/Kg-dry	10	9/9/2021 01:43
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: STP
Sodium Adsorption Ratio	15		0.010	0.010	none	1	9/8/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 9/8/21		Analyst: EEW
1-Methylnaphthalene	U		0.0028	0.0047	mg/Kg-dry	1	9/9/2021 01:53
2-Methylnaphthalene	U		0.0033	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Acenaphthene	U		0.0040	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Anthracene	U		0.0042	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Benzo(a)anthracene	U		0.0045	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Benzo(a)pyrene	U		0.0037	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Benzo(b)fluoranthene	U		0.0040	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Benzo(k)fluoranthene	U		0.0038	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Chrysene	U		0.0043	0.0047	mg/Kg-dry	1	9/9/2021 01:53

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP11 (10')
Collection Date: 8/26/2021 01:35 PM

Work Order: 21090207
Lab ID: 21090207-05
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		0.0038	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Fluoranthene	U		0.0037	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Fluorene	U		0.0036	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Indeno(1,2,3-cd)pyrene	U		0.0041	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Naphthalene	U		0.0045	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Pyrene	U		0.0045	0.0047	mg/Kg-dry	1	9/9/2021 01:53
Surr: 2-Fluorobiphenyl	102			20-140	%REC	1	9/9/2021 01:53
Surr: 4-Terphenyl-d14	91.9			22-172	%REC	1	9/9/2021 01:53
Surr: Nitrobenzene-d5	93.1			28-140	%REC	1	9/9/2021 01:53
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035A / 9/3/21		Analyst: HJ
1,2,4-Trimethylbenzene	U		0.035	0.047	mg/Kg-dry	1	9/8/2021 04:40
1,3,5-Trimethylbenzene	U		0.055	0.16	mg/Kg-dry	1	9/8/2021 04:40
Benzene	U		0.023	0.047	mg/Kg-dry	1	9/8/2021 04:40
Ethylbenzene	U		0.010	0.047	mg/Kg-dry	1	9/8/2021 04:40
m,p-Xylene	U		0.063	0.095	mg/Kg-dry	1	9/8/2021 04:40
o-Xylene	U		0.018	0.047	mg/Kg-dry	1	9/8/2021 04:40
Toluene	U		0.013	0.047	mg/Kg-dry	1	9/8/2021 04:40
Xylenes, Total	U		0.063	0.14	mg/Kg-dry	1	9/8/2021 04:40
Surr: 1,2-Dichloroethane-d4	108			70-130	%REC	1	9/8/2021 04:40
Surr: 4-Bromofluorobenzene	93.8			70-130	%REC	1	9/8/2021 04:40
Surr: Dibromofluoromethane	104			70-130	%REC	1	9/8/2021 04:40
Surr: Toluene-d8	96.8			70-130	%REC	1	9/8/2021 04:40
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
Electrical Conductivity @ Saturation	20		0.011	0.10	mmhos/cm @25°C	20	9/8/2021 12:58
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 9/3/21		Analyst: RZM
Chromium, Hexavalent	U		0.96	1.1	mg/Kg-dry	1	9/7/2021 16:42
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	12		0.10	0.10	% of sample	1	9/7/2021 14:53
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
pH @ Saturation	7.65		0.11	0.11	s.u.-dry	1	9/8/2021 09:27

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group

Project: MB Larson C11X25 Spill

Sample ID: MBLARBC11X25-TP12 (8-10')

Collection Date: 8/26/2021 02:25 PM

Work Order: 21090207

Lab ID: 21090207-06

Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 9/7/21		Analyst: SJB
ERO (C10-C36)	U		8.8	23	mg/Kg-dry	1	9/8/2021 05:16
Surr: 4-Terphenyl-d14	62.0			33-111	%REC	1	9/8/2021 05:16
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035A / 9/3/21		Analyst: SJB
GRO (C6-C10)	U		3.2	7.5	mg/Kg-dry	1	9/12/2021 04:35
Surr: Toluene-d8	97.0			71-123	%REC	1	9/12/2021 04:35
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	5.4		0.047	0.39	mg/Kg-dry	1	9/7/2021 22:13
Barium	110		0.36	0.39	mg/Kg-dry	1	9/7/2021 22:13
Cadmium	0.070	J	0.024	0.16	mg/Kg-dry	1	9/7/2021 22:13
Copper	12		0.39	0.39	mg/Kg-dry	1	9/7/2021 22:13
Lead	19		0.19	0.39	mg/Kg-dry	1	9/7/2021 22:13
Nickel	13		0.20	0.39	mg/Kg-dry	1	9/7/2021 22:13
Selenium	0.86		0.36	0.39	mg/Kg-dry	1	9/7/2021 22:13
Silver	0.068	J	0.052	0.39	mg/Kg-dry	1	9/7/2021 22:13
Zinc	63		0.77	0.78	mg/Kg-dry	1	9/7/2021 22:13
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/8/21		Analyst: DSC
Calcium	520		2.5	5.0	mg/L	10	9/8/2021 14:59
Magnesium	430		0.50	2.0	mg/L	10	9/8/2021 14:59
Sodium	1,400		1.8	2.0	mg/L	10	9/8/2021 14:59
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/3/21		Analyst: ABL
Boron (Hot Water Soluble)	1.6		0.019	0.47	mg/Kg-dry	10	9/3/2021 21:07
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: STP
Sodium Adsorption Ratio	11		0.010	0.010	none	1	9/8/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 9/8/21		Analyst: EEW
1-Methylnaphthalene	U		0.0029	0.0049	mg/Kg-dry	1	9/9/2021 02:08
2-Methylnaphthalene	U		0.0034	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Acenaphthene	U		0.0041	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Anthracene	U		0.0044	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Benzo(a)anthracene	U		0.0047	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Benzo(a)pyrene	U		0.0039	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Benzo(b)fluoranthene	U		0.0041	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Benzo(k)fluoranthene	U		0.0040	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Chrysene	U		0.0045	0.0049	mg/Kg-dry	1	9/9/2021 02:08

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-TP12 (8-10')
Collection Date: 8/26/2021 02:25 PM

Work Order: 21090207
Lab ID: 21090207-06
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		0.0040	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Fluoranthene	U		0.0039	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Fluorene	U		0.0038	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Indeno(1,2,3-cd)pyrene	U		0.0042	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Naphthalene	U		0.0047	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Pyrene	U		0.0047	0.0049	mg/Kg-dry	1	9/9/2021 02:08
Surr: 2-Fluorobiphenyl	104			20-140	%REC	1	9/9/2021 02:08
Surr: 4-Terphenyl-d14	95.1			22-172	%REC	1	9/9/2021 02:08
Surr: Nitrobenzene-d5	93.8			28-140	%REC	1	9/9/2021 02:08
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035A / 9/3/21		Analyst: HJ
1,2,4-Trimethylbenzene	U		0.033	0.045	mg/Kg-dry	1	9/8/2021 05:02
1,3,5-Trimethylbenzene	U		0.053	0.15	mg/Kg-dry	1	9/8/2021 05:02
Benzene	U		0.022	0.045	mg/Kg-dry	1	9/8/2021 05:02
Ethylbenzene	U		0.0095	0.045	mg/Kg-dry	1	9/8/2021 05:02
m,p-Xylene	U		0.060	0.090	mg/Kg-dry	1	9/8/2021 05:02
o-Xylene	U		0.017	0.045	mg/Kg-dry	1	9/8/2021 05:02
Toluene	U		0.012	0.045	mg/Kg-dry	1	9/8/2021 05:02
Xylenes, Total	U		0.060	0.14	mg/Kg-dry	1	9/8/2021 05:02
Surr: 1,2-Dichloroethane-d4	106			70-130	%REC	1	9/8/2021 05:02
Surr: 4-Bromofluorobenzene	94.7			70-130	%REC	1	9/8/2021 05:02
Surr: Dibromofluoromethane	105			70-130	%REC	1	9/8/2021 05:02
Surr: Toluene-d8	94.6			70-130	%REC	1	9/8/2021 05:02
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
Electrical Conductivity @ Saturation	15		0.011	0.10	mmhos/cm @25°C	20	9/8/2021 12:58
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 9/9/21		Analyst: RZM
Chromium, Hexavalent	U		1.0	1.2	mg/Kg-dry	1	9/9/2021 14:42
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	16		0.10	0.10	% of sample	1	9/7/2021 14:53
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
pH @ Saturation	7.53		0.12	0.12	s.u.-dry	1	9/8/2021 09:27

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-FL-NOC (4.5')
Collection Date: 8/26/2021 02:40 PM

Work Order: 21090207
Lab ID: 21090207-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 9/7/21		Analyst: SJB
ERO (C10-C36)	11	J	8.2	21	mg/Kg-dry	1	9/8/2021 05:53
Surr: 4-Terphenyl-d14	57.5			33-111	%REC	1	9/8/2021 05:53
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035A / 9/3/21		Analyst: SJB
GRO (C6-C10)	3.8	J	2.7	6.4	mg/Kg-dry	1	9/11/2021 19:09
Surr: Toluene-d8	96.6			71-123	%REC	1	9/11/2021 19:09
METALS BY ICP-MS							
			Method: SW6020B		Prep: SW3050B / 9/6/21		Analyst: DSC
Arsenic	6.2		0.053	0.44	mg/Kg-dry	1	9/7/2021 22:15
Barium	130		0.41	0.44	mg/Kg-dry	1	9/7/2021 22:15
Cadmium	0.10	J	0.026	0.18	mg/Kg-dry	1	9/7/2021 22:15
Copper	12		0.44	0.44	mg/Kg-dry	1	9/7/2021 22:15
Lead	17		0.21	0.44	mg/Kg-dry	1	9/7/2021 22:15
Nickel	19		2.3	4.4	mg/Kg-dry	10	9/8/2021 13:25
Selenium	1.0		0.41	0.44	mg/Kg-dry	1	9/7/2021 22:15
Silver	0.069	J	0.058	0.44	mg/Kg-dry	1	9/7/2021 22:15
Zinc	61		0.86	0.88	mg/Kg-dry	1	9/7/2021 22:15
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 9/8/21		Analyst: DSC
Calcium	490		2.5	5.0	mg/L	10	9/8/2021 15:01
Magnesium	250		0.50	2.0	mg/L	10	9/8/2021 15:01
Sodium	500		1.8	2.0	mg/L	10	9/8/2021 15:01
HOT WATER SOLUBLE BORON BY ICP-MS							
			Method: SW6020B		Prep: EXTRACT / 9/3/21		Analyst: ABL
Boron (Hot Water Soluble)	2.1		0.017	0.43	mg/Kg-dry	10	9/3/2021 21:09
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: STP
Sodium Adsorption Ratio	4.5		0.010	0.010	none	1	9/8/2021
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)							
			Method: SW8270E		Prep: SW3546 / 9/8/21		Analyst: EEW
1-Methylnaphthalene	U		0.0026	0.0044	mg/Kg-dry	1	9/9/2021 02:24
2-Methylnaphthalene	U		0.0031	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Acenaphthene	U		0.0037	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Anthracene	U		0.0040	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Benzo(a)anthracene	U		0.0043	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Benzo(a)pyrene	U		0.0035	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Benzo(b)fluoranthene	U		0.0037	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Benzo(k)fluoranthene	U		0.0036	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Chrysene	U		0.0040	0.0044	mg/Kg-dry	1	9/9/2021 02:24

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

ALS Group, USA

Date: 14-Sep-21

Client: Entrada Consulting Group
Project: MB Larson C11X25 Spill
Sample ID: MBLARBC11X25-FL-NOC (4.5')
Collection Date: 8/26/2021 02:40 PM

Work Order: 21090207
Lab ID: 21090207-07
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Dibenzo(a,h)anthracene	U		0.0036	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Fluoranthene	U		0.0035	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Fluorene	U		0.0034	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Indeno(1,2,3-cd)pyrene	U		0.0038	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Naphthalene	U		0.0043	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Pyrene	U		0.0042	0.0044	mg/Kg-dry	1	9/9/2021 02:24
Surr: 2-Fluorobiphenyl	96.4			20-140	%REC	1	9/9/2021 02:24
Surr: 4-Terphenyl-d14	89.8			22-172	%REC	1	9/9/2021 02:24
Surr: Nitrobenzene-d5	82.8			28-140	%REC	1	9/9/2021 02:24
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035A / 9/3/21		Analyst: HJ
1,2,4-Trimethylbenzene	U		0.028	0.039	mg/Kg-dry	1	9/8/2021 05:24
1,3,5-Trimethylbenzene	U		0.045	0.13	mg/Kg-dry	1	9/8/2021 05:24
Benzene	U		0.019	0.039	mg/Kg-dry	1	9/8/2021 05:24
Ethylbenzene	0.011	J	0.0082	0.039	mg/Kg-dry	1	9/8/2021 05:24
m,p-Xylene	U		0.052	0.077	mg/Kg-dry	1	9/8/2021 05:24
o-Xylene	0.016	J	0.015	0.039	mg/Kg-dry	1	9/8/2021 05:24
Toluene	U		0.011	0.039	mg/Kg-dry	1	9/8/2021 05:24
Xylenes, Total	U		0.052	0.12	mg/Kg-dry	1	9/8/2021 05:24
Surr: 1,2-Dichloroethane-d4	112			70-130	%REC	1	9/8/2021 05:24
Surr: 4-Bromofluorobenzene	92.6			70-130	%REC	1	9/8/2021 05:24
Surr: Dibromofluoromethane	106			70-130	%REC	1	9/8/2021 05:24
Surr: Toluene-d8	96.8			70-130	%REC	1	9/8/2021 05:24
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
Electrical Conductivity @ Saturation	7.5		0.011	0.10	mmhos/cm @25°C	20	9/8/2021 12:58
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 9/9/21		Analyst: RZM
Chromium, Hexavalent	U		0.92	1.1	mg/Kg-dry	1	9/9/2021 14:42
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	7.9		0.10	0.10	% of sample	1	9/7/2021 14:53
PH MEASURED IN SOIL PASTE			Method: USDA METHOD 20B		Prep: USDA Method 20B / 9/8/21		Analyst: QTN
pH @ Saturation	7.83		0.11	0.11	s.u.-dry	1	9/8/2021 09:27

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183216** Instrument ID **GC8** Method: **SW8015D**

MBLK		Sample ID: DBLKS1-183216-183216				Units: mg/Kg		Analysis Date: 9/7/2021 05:58 PM		
Client ID:		Run ID: GC8_210907B				SeqNo: 7732231		Prep Date: 9/7/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	U	20								
<i>Surr: 4-Terphenyl-d14</i>	1.564	0	3.33	0	47	33-111	0			

LCS		Sample ID: DLCSS1-183216-183216				Units: mg/Kg		Analysis Date: 9/7/2021 06:36 PM		
Client ID:		Run ID: GC8_210907B				SeqNo: 7732232		Prep Date: 9/7/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	537.2	20	667	0	80.5	51-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.898	0	3.33	0	57	33-111	0			

MS		Sample ID: 21082612-08A MS				Units: mg/Kg		Analysis Date: 9/7/2021 07:14 PM		
Client ID:		Run ID: GC8_210907B				SeqNo: 7732233		Prep Date: 9/7/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	456.1	19	638.4	14.56	69.2	51-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.747	0	3.187	0	54.8	33-111	0			

MSD		Sample ID: 21082612-08A MSD				Units: mg/Kg		Analysis Date: 9/7/2021 07:52 PM		
Client ID:		Run ID: GC8_210907B				SeqNo: 7732234		Prep Date: 9/7/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
ERO (C10-C36)	495.8	20	655.9	14.56	73.4	51-130	456.1	8.34	30	
<i>Surr: 4-Terphenyl-d14</i>	1.825	0	3.275	0	55.7	33-111	1.747	4.4	30	

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183140** Instrument ID **GC9** Method: **SW8015D**

MBLK		Sample ID: MBLK-183140-183140				Units: µg/Kg-dry		Analysis Date: 9/12/2021 02:46 AM		
Client ID:		Run ID: GC9_210911A				SeqNo: 7740723		Prep Date: 9/3/2021		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								
<i>Surr: Toluene-d8</i>	5050	0	5000	0	101	71-123	0			

LCS		Sample ID: LCS-183140-183140				Units: µg/Kg-dry		Analysis Date: 9/12/2021 02:02 AM		
Client ID:		Run ID: GC9_210911A				SeqNo: 7740722		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	210000	5,000	250000	0	84	71-123	0			
<i>Surr: Toluene-d8</i>	4794	0	5000	0	95.9	71-123	0			

MS		Sample ID: 21090215-01A MS				Units: µg/Kg-dry		Analysis Date: 9/12/2021 05:19 AM		
Client ID:		Run ID: GC9_210911A				SeqNo: 7740730		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	432800	9,500	474600	0	91.2	71-123	0			
<i>Surr: Toluene-d8</i>	9126	0	9493	0	96.1	71-123	0			

MSD		Sample ID: 21090215-01A MSD				Units: µg/Kg-dry		Analysis Date: 9/12/2021 05:41 AM		
Client ID:		Run ID: GC9_210911A				SeqNo: 7740731		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	432200	9,500	474600	0	91.1	71-123	432800	0.148	30	
<i>Surr: Toluene-d8</i>	9281	0	9493	0	97.8	71-123	9126	1.68	30	

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183150** Instrument ID **ICPMS4** Method: **SW6020B**

MBLK		Sample ID: MBLK-183150-183150				Units: mg/Kg		Analysis Date: 9/3/2021 08:42 PM		
Client ID:		Run ID: ICPMS4_210903B				SeqNo: 7723941		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.01339	0.040								J

LCS		Sample ID: LCS-183150-183150				Units: mg/Kg		Analysis Date: 9/3/2021 08:44 PM		
Client ID:		Run ID: ICPMS4_210903B				SeqNo: 7723942		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.8893	0.040	1	0	88.9	80-120		0		

The following samples were analyzed in this batch:

21090207-01A	21090207-06A	21090207-07A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: 183212 Instrument ID ICPMS4 Method: SW6020B

MBLK Sample ID: MBLK-183212-183212				Units: mg/Kg		Analysis Date: 9/7/2021 11:04 PM				
Client ID:		Run ID: ICPMS4_210907B		SeqNo: 7727027		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.25								
Barium	U	0.25								
Cadmium	U	0.10								
Copper	U	0.25								
Lead	U	0.25								
Nickel	U	0.25								
Selenium	U	0.25								
Silver	U	0.25								
Zinc	U	0.50								

LCS Sample ID: LCS-183212-183212				Units: mg/Kg		Analysis Date: 9/7/2021 11:06 PM				
Client ID:		Run ID: ICPMS4_210907B		SeqNo: 7727029		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.984	0.25	5	0	99.7	80-120	0			
Barium	5.031	0.25	5	0	101	80-120	0			
Cadmium	4.815	0.10	5	0	96.3	80-120	0			
Copper	4.97	0.25	5	0	99.4	80-120	0			
Lead	4.888	0.25	5	0	97.8	80-120	0			
Nickel	4.915	0.25	5	0	98.3	80-120	0			
Selenium	4.908	0.25	5	0	98.2	80-120	0			
Silver	4.557	0.25	5	0	91.1	80-120	0			
Zinc	4.853	0.50	5	0	97.1	80-120	0			

MS Sample ID: 21090142-03AMS				Units: mg/Kg		Analysis Date: 9/8/2021 12:54 AM				
Client ID:		Run ID: ICPMS4_210907B		SeqNo: 7727087		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.81	0.39	7.874	2.924	113	75-125	0			
Barium	108.7	0.39	7.874	72.95	454	75-125	0			SO
Cadmium	7.693	0.16	7.874	0.4067	92.5	75-125	0			
Copper	78.49	0.39	7.874	55.38	294	75-125	0			SO
Lead	33.69	0.39	7.874	19.82	176	75-125	0			S
Nickel	12.96	0.39	7.874	3.767	117	75-125	0			
Selenium	9.027	0.39	7.874	1.098	101	75-125	0			
Silver	6.661	0.39	7.874	0.03471	84.2	75-125	0			
Zinc	42.42	0.79	7.874	24.55	227	75-125	0			S

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183212** Instrument ID **ICPMS4** Method: **SW6020B**

MSD				Sample ID: 21090142-03AMSD			Units: mg/Kg		Analysis Date: 9/8/2021 12:57 AM		
Client ID:			Run ID: ICPMS4_210907B			SeqNo: 7727088		Prep Date: 9/6/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	14.07	0.37	7.496	2.924	149	75-125	11.81	17.5	20	S	
Barium	142.8	0.37	7.496	72.95	932	75-125	108.7	27.1	20	SREO	
Cadmium	7.355	0.15	7.496	0.4067	92.7	75-125	7.693	4.49	20		
Copper	79.61	0.37	7.496	55.38	323	75-125	78.49	1.41	20	SO	
Lead	33.65	0.37	7.496	19.82	185	75-125	33.69	0.116	20	S	
Nickel	13.12	0.37	7.496	3.767	125	75-125	12.96	1.27	20		
Selenium	8.784	0.37	7.496	1.098	103	75-125	9.027	2.72	20		
Silver	6.438	0.37	7.496	0.03471	85.4	75-125	6.661	3.42	20		
Zinc	44.41	0.75	7.496	24.55	265	75-125	42.42	4.59	20	S	

The following samples were analyzed in this batch:

21090207-01A

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183213** Instrument ID **ICPMS4** Method: **SW6020B**

MBLK				Sample ID: MBLK-183213-183213				Units: mg/Kg			Analysis Date: 9/7/2021 09:53 PM		
Client ID:			Run ID: ICPMS4_210907B				SeqNo: 7726985		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
Arsenic	U	0.25											
Barium	U	0.25											
Cadmium	U	0.10											
Copper	U	0.25											
Lead	U	0.25											
Nickel	U	0.25											
Selenium	U	0.25											
Silver	U	0.25											
Zinc	U	0.50											

LCS					Sample ID: LCS-183213-183213			Units: mg/Kg		Analysis Date: 9/7/2021 09:55 PM		
Client ID:			Run ID: ICPMS4_210907B			SeqNo: 7726986		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
Arsenic	4.954	0.25	5	0	99.1	80-120	0					
Barium	5.027	0.25	5	0	101	80-120	0					
Cadmium	4.958	0.10	5	0	99.2	80-120	0					
Copper	5.076	0.25	5	0	102	80-120	0					
Lead	4.91	0.25	5	0	98.2	80-120	0					
Nickel	4.964	0.25	5	0	99.3	80-120	0					
Selenium	5.116	0.25	5	0	102	80-120	0					
Silver	4.714	0.25	5	0	94.3	80-120	0					
Zinc	5.019	0.50	5	0	100	80-120	0					

MS					Sample ID: 21090250-01BMS			Units: mg/Kg		Analysis Date: 9/7/2021 10:20 PM		
Client ID:			Run ID: ICPMS4_210907B			SeqNo: 7726996		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
Arsenic	11.24	0.36	7.194	4.211	97.6	75-125	0					
Cadmium	6.298	0.14	7.194	0.4631	81.1	75-125	0					
Copper	40.68	0.36	7.194	34.57	84.9	75-125	0			O		
Nickel	17.84	0.36	7.194	10.05	108	75-125	0					
Selenium	6.466	0.36	7.194	0.4378	83.8	75-125	0					
Silver	5.569	0.36	7.194	0.09654	76.1	75-125	0					

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183213** Instrument ID **ICPMS4** Method: **SW6020B**

MS					Sample ID: 21090250-01BMS			Units: mg/Kg		Analysis Date: 9/8/2021 01:31 PM		
Client ID:			Run ID: ICPMS4_210908B			SeqNo: 7729033		Prep Date: 9/6/2021		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
Barium	183.4	3.6	7.194	213	-412	75-125	0			SO		
Lead	180.7	3.6	7.194	173.8	95.8	75-125	0			O		
Zinc	309.7	7.2	7.194	261.3	673	75-125	0			SO		

MSD					Sample ID: 21090250-01BMSD			Units: mg/Kg		Analysis Date: 9/7/2021 10:23 PM		
Client ID:			Run ID: ICPMS4_210907B			SeqNo: 7726997		Prep Date: 9/6/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
Arsenic	12.83	0.41	8.157	4.211	106	75-125	11.24	13.2	20			
Cadmium	6.565	0.16	8.157	0.4631	74.8	75-125	6.298	4.15	20	S		
Copper	46.1	0.41	8.157	34.57	141	75-125	40.68	12.5	20	SO		
Nickel	18.52	0.41	8.157	10.05	104	75-125	17.84	3.75	20			
Selenium	7.22	0.41	8.157	0.4378	83.2	75-125	6.466	11	20			
Silver	6.159	0.41	8.157	0.09654	74.3	75-125	5.569	10.1	20	S		

MSD					Sample ID: 21090250-01BMSD			Units: mg/Kg		Analysis Date: 9/8/2021 01:33 PM	
Client ID:			Run ID: ICPMS4_210908B			SeqNo: 7729034		Prep Date: 9/6/2021		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Barium	304.7	4.1	8.157	213	1120	75-125	183.4	49.7	20	SRO	
Lead	225	4.1	8.157	173.8	627	75-125	180.7	21.8	20	SRO	
Zinc	233.4	8.2	8.157	261.3	-342	75-125	309.7	28.1	20	SRO	

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183260** Instrument ID **ICPMS4** Method: **SW6020B**

DUP		Sample ID: 21082612-16A DUP				Units: mg/L		Analysis Date: 9/7/2021 09:46 PM		
Client ID:		Run ID: ICPMS4_210907A				SeqNo: 7726954		Prep Date: 9/7/2021		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	133	5.0	0	0	0	0-0	104.5	24		
Magnesium	17.72	2.0	0	0	0	0-0	14.86	17.6		

DUP		Sample ID: 21082612-16A DUP				Units: mg/L		Analysis Date: 9/8/2021 01:17 PM		
Client ID:		Run ID: ICPMS4_210908A				SeqNo: 7728695		Prep Date: 9/7/2021		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	10.2	2.0	0	0	0	0-0	7.307	33		

The following samples were analyzed in this batch:

21090207-01A

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183307** Instrument ID **ICPMS4** Method: **SW6020B**

DUP					Sample ID: 21090207-07A dup		Units: mg/L		Analysis Date: 9/8/2021 03:03 PM		
Client ID: MBLARBC11X25-FL-NOC (4.5')			Run ID: ICPMS4_210908A		SeqNo: 7730246		Prep Date: 9/8/2021		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Calcium	466.9	5.0	0	0	0	0-0	489.8	4.78			
Magnesium	248.6	2.0	0	0	0	0-0	254.6	2.39			
Sodium	483.6	2.0	0	0	0	0-0	495.8	2.49			

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183322** Instrument ID **ICPMS4** Method: **SW6020B**

MBLK		Sample ID: MBLK-183322-183322				Units: mg/Kg		Analysis Date: 9/9/2021 01:13 AM		
Client ID:		Run ID: ICPMS4_210908B				SeqNo: 7731308		Prep Date: 9/8/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.01598	0.040								J

LCS		Sample ID: LCS-183322-183322				Units: mg/Kg		Analysis Date: 9/9/2021 01:16 AM		
Client ID:		Run ID: ICPMS4_210908B				SeqNo: 7731309		Prep Date: 9/8/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron (Hot Water Soluble)	0.9249	0.040	1	0	92.5	80-120		0		

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A		

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183307** Instrument ID **SAR** Method: **USDA H60 Method**

DUP		Sample ID: 21090207-07A dup				Units: none		Analysis Date: 9/8/2021		
Client ID: MBLARBC11X25-FL-NOC (4.5')		Run ID: SAR_210908A				SeqNo: 7732958		Prep Date: 9/8/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	4.497	0.010	0	0	0		4.527	0.661	50	

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183315** Instrument ID **SVMS6** Method: **SW8270E**

MBLK				Sample ID: SBLKS1-183315-183315				Units: µg/Kg		Analysis Date: 9/8/2021 06:37 PM		
Client ID:			Run ID: SVMS6_210908A			SeqNo: 7731289		Prep Date: 9/8/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual		
1-Methylnaphthalene	U	4.2										
2-Methylnaphthalene	U	4.2										
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	3465	0	3333	0	104	20-140		0				
Surr: 4-Terphenyl-d14	3150	0	3333	0	94.5	22-172		0				
Surr: Nitrobenzene-d5	2976	0	3333	0	89.3	28-140		0				

LCS				Sample ID: SLCSS1-183315-183315				Units: µg/Kg		Analysis Date: 9/8/2021 06:53 PM	
Client ID:		Run ID: SVMS6_210908A			SeqNo: 7731290		Prep Date: 9/8/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1-Methylnaphthalene	1244	4.2	1333	0	93.3	40-140	0				
2-Methylnaphthalene	961.5	4.2	1333	0	72.1	40-140	0				
Acenaphthene	1135	4.2	1333	0	85.2	40-140	0				
Anthracene	1234	4.2	1333	0	92.6	40-140	0				
Benzo(a)anthracene	1273	4.2	1333	0	95.5	40-140	0				
Benzo(a)pyrene	1345	4.2	1333	0	101	40-140	0				
Benzo(b)fluoranthene	1082	4.2	1333	0	81.2	40-140	0				
Benzo(k)fluoranthene	1455	4.2	1333	0	109	40-140	0				
Chrysene	1281	4.2	1333	0	96.1	40-140	0				
Dibenzo(a,h)anthracene	1227	4.2	1333	0	92.1	40-140	0				
Fluoranthene	1169	4.2	1333	0	87.7	40-140	0				
Fluorene	1116	4.2	1333	0	83.7	40-140	0				
Indeno(1,2,3-cd)pyrene	1237	4.2	1333	0	92.8	40-140	0				
Naphthalene	1277	4.2	1333	0	95.8	40-140	0				
Pyrene	1103	4.2	1333	0	82.7	40-140	0				
Surr: 2-Fluorobiphenyl	3505	0	3333	0	105	20-140	0				
Surr: 4-Terphenyl-d14	3242	0	3333	0	97.3	22-172	0				
Surr: Nitrobenzene-d5	2115	0	3333	0	63.5	28-140	0				

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: 183315 Instrument ID SVMS6 Method: SW8270E

MS				Sample ID: 21082612-14A MS		Units: µg/Kg		Analysis Date: 9/8/2021 07:56 PM		
Client ID:		Run ID: SVMS6_210908A		SeqNo: 7731291		Prep Date: 9/8/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1206	4.1	1323	0	91.2	40-140	0			
2-Methylnaphthalene	1059	4.1	1323	0	80	40-140	0			
Acenaphthene	1167	4.1	1323	0	88.2	40-140	0			
Anthracene	1240	4.1	1323	0	93.7	40-140	0			
Benzo(a)anthracene	1209	4.1	1323	0	91.4	40-140	0			
Benzo(a)pyrene	1297	4.1	1323	0	98	40-140	0			
Benzo(b)fluoranthene	1121	4.1	1323	0	84.7	40-140	0			
Benzo(k)fluoranthene	1314	4.1	1323	0	99.3	40-140	0			
Chrysene	1246	4.1	1323	0	94.2	40-140	0			
Dibenzo(a,h)anthracene	1161	4.1	1323	0	87.8	40-140	0			
Fluoranthene	1131	4.1	1323	0	85.4	40-140	0			
Fluorene	1132	4.1	1323	0	85.6	40-140	0			
Indeno(1,2,3-cd)pyrene	1122	4.1	1323	0	84.8	40-140	0			
Naphthalene	1303	4.1	1323	0	98.5	40-140	0			
Pyrene	1097	4.1	1323	0	82.9	40-140	0			
Surr: 2-Fluorobiphenyl	3544	0	3308	0	107	20-140	0			
Surr: 4-Terphenyl-d14	3248	0	3308	0	98.2	22-172	0			
Surr: Nitrobenzene-d5	2461	0	3308	0	74.4	28-140	0			

MSD				Sample ID: 21082612-14A MSD		Units: µg/Kg		Analysis Date: 9/8/2021 08:11 PM		
Client ID:		Run ID: SVMS6_210908A		SeqNo: 7731292		Prep Date: 9/8/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1170	4.0	1282	0	91.3	40-140	1206	3.04	30	
2-Methylnaphthalene	1036	4.0	1282	0	80.8	40-140	1059	2.22	30	
Acenaphthene	1136	4.0	1282	0	88.6	40-140	1167	2.66	30	
Anthracene	1195	4.0	1282	0	93.2	40-140	1240	3.68	30	
Benzo(a)anthracene	1207	4.0	1282	0	94.1	40-140	1209	0.193	30	
Benzo(a)pyrene	1230	4.0	1282	0	95.9	40-140	1297	5.34	30	
Benzo(b)fluoranthene	1054	4.0	1282	0	82.2	40-140	1121	6.13	30	
Benzo(k)fluoranthene	1430	4.0	1282	0	112	40-140	1314	8.45	30	
Chrysene	1223	4.0	1282	0	95.4	40-140	1246	1.85	30	
Dibenzo(a,h)anthracene	1151	4.0	1282	0	89.8	40-140	1161	0.87	30	
Fluoranthene	1096	4.0	1282	0	85.5	40-140	1131	3.11	30	
Fluorene	1115	4.0	1282	0	87	40-140	1132	1.5	30	
Indeno(1,2,3-cd)pyrene	1084	4.0	1282	0	84.5	40-140	1122	3.51	30	
Naphthalene	1265	4.0	1282	0	98.7	40-140	1303	2.94	30	
Pyrene	1073	4.0	1282	0	83.7	40-140	1097	2.26	30	
Surr: 2-Fluorobiphenyl	3462	0	3206	0	108	20-140	3544	2.35	30	
Surr: 4-Terphenyl-d14	3179	0	3206	0	99.1	22-172	3248	2.16	30	
Surr: Nitrobenzene-d5	2409	0	3206	0	75.1	28-140	2461	2.15	30	

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183315** Instrument ID **SVMS6** Method: **SW8270E**

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183138** Instrument ID **VMS8** Method: **SW8260C**

MBLK				Sample ID: MBLK-183138-183138				Units: µg/Kg-dry			Analysis Date: 9/4/2021 07:31 AM		
Client ID:			Run ID: VMS8_210903B				SeqNo: 7724636		Prep Date: 9/3/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
1,2,4-Trimethylbenzene	U	30											
1,3,5-Trimethylbenzene	U	100											
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	1012	0	1000	0	101	70-130		0					
Surr: 4-Bromofluorobenzene	1020	0	1000	0	102	70-130		0					
Surr: Dibromofluoromethane	979.5	0	1000	0	98	70-130		0					
Surr: Toluene-d8	984.5	0	1000	0	98.4	70-130		0					

LCS				Sample ID: LCS-183138-183138			Units: µg/Kg-dry		Analysis Date: 9/4/2021 06:33 AM		
Client ID:			Run ID: VMS8_210903B			SeqNo: 7724634		Prep Date: 9/3/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trimethylbenzene	811	30	1000	0	81.1	65-135	0				
1,3,5-Trimethylbenzene	862.5	100	1000	0	86.2	65-135	0				
Benzene	899.5	30	1000	0	90	75-125	0				
Ethylbenzene	855	30	1000	0	85.5	75-125	0				
m,p-Xylene	1705	60	2000	0	85.2	80-125	0				
o-Xylene	877	30	1000	0	87.7	75-125	0				
Toluene	895	30	1000	0	89.5	70-125	0				
Xylenes, Total	2582	90	3000	0	86.1	75-125	0				
Surr: 1,2-Dichloroethane-d4	987	0	1000	0	98.7	70-130	0				
Surr: 4-Bromofluorobenzene	1016	0	1000	0	102	70-130	0				
Surr: Dibromofluoromethane	999	0	1000	0	99.9	70-130	0				
Surr: Toluene-d8	1010	0	1000	0	101	70-130	0				

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: 183138 Instrument ID VMS8 Method: SW8260C

MS					Sample ID: 21090215-01A MS		Units: µg/Kg-dry		Analysis Date: 9/4/2021 11:06 AM		
Client ID:			Run ID: VMS8_210903B			SeqNo: 7724647		Prep Date: 9/3/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trimethylbenzene	1744	57	1899	0	91.9	65-135	0				
1,3,5-Trimethylbenzene	1821	190	1899	0	95.9	65-135	0				
Benzene	1937	57	1899	0	102	75-125	0				
Ethylbenzene	1794	57	1899	0	94.5	75-125	0				
m,p-Xylene	3570	110	3797	0	94	80-125	0				
o-Xylene	1812	57	1899	0	95.5	75-125	0				
Toluene	1831	57	1899	0	96.4	70-125	0				
Xylenes, Total	5382	170	5696	0	94.5	75-125	0				
Surr: 1,2-Dichloroethane-d4	1876	0	1899	0	98.8	70-130	0				
Surr: 4-Bromofluorobenzene	1915	0	1899	0	101	70-130	0				
Surr: Dibromofluoromethane	1893	0	1899	0	99.7	70-130	0				
Surr: Toluene-d8	1854	0	1899	0	97.6	70-130	0				

MSD				Sample ID: 21090215-01A MSD			Units: µg/Kg-dry		Analysis Date: 9/4/2021 11:26 AM		
Client ID:		Run ID: VMS8_210903B			SeqNo: 7724648		Prep Date: 9/3/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
1,2,4-Trimethylbenzene	1693	57	1899	0	89.2	65-135	1744	2.98	30		
1,3,5-Trimethylbenzene	1786	190	1899	0	94.1	65-135	1821	1.95	30		
Benzene	1872	57	1899	0	98.6	75-125	1937	3.39	30		
Ethylbenzene	1746	57	1899	0	92	75-125	1794	2.74	30		
m,p-Xylene	3478	110	3797	0	91.6	80-125	3570	2.61	30		
o-Xylene	1771	57	1899	0	93.3	75-125	1812	2.28	30		
Toluene	1776	57	1899	0	93.5	70-125	1831	3.05	30		
Xylenes, Total	5249	170	5696	0	92.2	75-125	5382	2.5	30		
Surr: 1,2-Dichloroethane-d4	1872	0	1899	0	98.6	70-130	1876	0.203	30		
Surr: 4-Bromofluorobenzene	1878	0	1899	0	98.9	70-130	1915	1.95	30		
Surr: Dibromofluoromethane	1893	0	1899	0	99.7	70-130	1893	0	30		
Surr: Toluene-d8	1843	0	1899	0	97.1	70-130	1854	0.565	30		

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183260** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 21082612-16A DUP				Units: mmhos/cm @25°		Analysis Date: 9/7/2021 04:13 PM		
Client ID:		Run ID: WETCHEM_210907F		SeqNo: 7726246		Prep Date: 9/7/2021		DF: 20		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.748	0.10	0	0	0		0.662	12.2	50	

DUP		Sample ID: 21082612-16A DUP				Units: s.u.		Analysis Date: 9/8/2021 09:27 AM		
Client ID:		Run ID: WETCHEM_210908E		SeqNo: 7728214		Prep Date: 9/7/2021		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH @ Saturation	7.9	0.10	0	0	0	0-0	7.9	0	20	

The following samples were analyzed in this batch:

21090207-01A

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183286** Instrument ID **SPEC-04** Method: **SW7196A**

MBLK		Sample ID: MBLK-183286-183286				Units: mg/Kg		Analysis Date: 9/7/2021 04:42 PM		
Client ID:		Run ID: SPEC-04_210907A				SeqNo: 7726410		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 1.0

LCS		Sample ID: LCS-183286-183286				Units: mg/Kg		Analysis Date: 9/7/2021 04:42 PM		
Client ID:		Run ID: SPEC-04_210907A				SeqNo: 7726411		Prep Date: 9/3/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 5.12 1.0 5 0 102 80-120 0

MS		Sample ID: 21090142-03A MSI				Units: mg/Kg		Analysis Date: 9/7/2021 04:42 PM		
Client ID:		Run ID: SPEC-04_210907A				SeqNo: 7726417		Prep Date: 9/3/2021		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 100 2397 4 -0.167 75-125 0 S

MS		Sample ID: 21090142-03AMS				Units: mg/Kg		Analysis Date: 9/7/2021 04:42 PM		
Client ID:		Run ID: SPEC-04_210907A				SeqNo: 7726419		Prep Date: 9/3/2021		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 100 5 4 -80 75-125 0 S

MSD		Sample ID: 21090142-03AMSD				Units: mg/Kg		Analysis Date: 9/7/2021 04:42 PM		
Client ID:		Run ID: SPEC-04_210907A				SeqNo: 7726420		Prep Date: 9/3/2021		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 100 5 4 -80 75-125 4 0 20 S

The following samples were analyzed in this batch:

21090207-01A	21090207-02A	21090207-03A
21090207-04A	21090207-05A	

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

Client: Entrada Consulting Group
Work Order: 21090207
Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183307** Instrument ID **WETCHEM** Method: **USDA Method 20B**

DUP					Sample ID: 21090207-07A DUP		Units: s.u.		Analysis Date: 9/8/2021 09:27 AM		
Client ID: MBLARBC11X25-FL-NOC (4.5')			Run ID: WETCHEM_210908E			SeqNo: 7728223		Prep Date: 9/8/2021		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH @ Saturation	7.11	0.10	0	0	0	0-0	7.21	1.4	20		

DUP					Sample ID: 21090207-07A DUP		Units: mmhos/cm @25°		Analysis Date: 9/8/2021 12:58 PM	
Client ID: MBLARBC11X25-FL-NOC (4.5')			Run ID: WETCHEM_210908G			SeqNo: 7728268		Prep Date: 9/8/2021		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	7.72	0.10	0	0	0		7.54	2.36	50	

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **183398** Instrument ID **SPEC-04** Method: **SW7196A**

MBLK		Sample ID: MBLK-183398-183398				Units: mg/Kg		Analysis Date: 9/9/2021 02:42 PM		
Client ID:		Run ID: SPEC-04_210909B				SeqNo: 7732632		Prep Date: 9/9/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 1.0

LCS		Sample ID: LCS-183398-183398				Units: mg/Kg		Analysis Date: 9/9/2021 02:42 PM		
Client ID:		Run ID: SPEC-04_210909B				SeqNo: 7732633		Prep Date: 9/9/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.87 1.0 5 0 97.4 80-120 0

MS		Sample ID: 21090207-07A MS				Units: mg/Kg		Analysis Date: 9/9/2021 02:42 PM		
Client ID: MBLARBC11X25-FL-NOC (4.5')		Run ID: SPEC-04_210909B				SeqNo: 7732636		Prep Date: 9/9/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 5 1.0 5 0.54 89.2 75-125 0

MS		Sample ID: 21090207-07A MSI				Units: mg/Kg		Analysis Date: 9/9/2021 02:42 PM		
Client ID: MBLARBC11X25-FL-NOC (4.5')		Run ID: SPEC-04_210909B				SeqNo: 7732638		Prep Date: 9/9/2021		DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 2072 100 2156 0.54 96.1 75-125 0

MSD		Sample ID: 21090207-07A MSD				Units: mg/Kg		Analysis Date: 9/9/2021 02:42 PM		
Client ID: MBLARBC11X25-FL-NOC (4.5')		Run ID: SPEC-04_210909B				SeqNo: 7732637		Prep Date: 9/9/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 5.24 1.0 5 0.54 94 75-125 5 4.69 20

The following samples were analyzed in this batch:

21090207-06A 21090207-07A

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

Client: Entrada Consulting Group
 Work Order: 21090207
 Project: MB Larson C11X25 Spill

QC BATCH REPORT

Batch ID: **R326170** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R326170				Units: % of sample		Analysis Date: 9/7/2021 02:53 PM		
Client ID:		Run ID: MOIST_210907C				SeqNo: 7727521		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-R326170				Units: % of sample		Analysis Date: 9/7/2021 02:53 PM		
Client ID:		Run ID: MOIST_210907C				SeqNo: 7727520		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.98	0.10	100	0	100	98-102	0			

DUP		Sample ID: 21090111-03B DUP				Units: % of sample		Analysis Date: 9/7/2021 02:53 PM		
Client ID:		Run ID: MOIST_210907C				SeqNo: 7727501		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	18.19	0.10	0	0	0	0-0	18.56	2.01	10	

DUP		Sample ID: 21090243-01A DUP				Units: % of sample		Analysis Date: 9/7/2021 02:53 PM		
Client ID:		Run ID: MOIST_210907C				SeqNo: 7727513		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	3.42	0.10	0	0	0	0-0	3.58	4.57	10	

The following samples were analyzed in this batch:

21090207-02A	21090207-03A	21090207-04A
21090207-05A	21090207-06A	21090207-07A

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



Chain of Custody Form

Page _____ of _____

☒ ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

				ALS Project Manager:						ALS Work Order #: 21090207							
Customer Information				Project Information				Parameter/Method Request for Analysis									
Purchase Order				Project Name		MB Larson C11X25 Spill		A		BTEX, TMBs							
Work Order				Project Number				B		Table 915 PAHs							
Company Name		Entrada Consulting Group		Bill To Company		Entrada Consulting Group		C		Table 915 Metals							
Send Report To		Tim Dobransky		Invoice Attn.				D		Hot Water Soluble Boron							
Address		330 Grand Ave., Ste C		Address		330 Grand Ave., Ste, C		E		GRO							
								F		ERO							
City/State/Zip		Grand Junction, CO 81501		City/State/Zip		Grand Junction, CO 81501		G		SAR/EC/pH							
Phone		970-270-2986		Phone		970-270-2986		H									
Fax				Fax				I									
e-Mail Address				tdobransky@entradainc.com				J									

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
	MBLARBC11X25-BG1	8/26/2021	1045	Soil	8	2			X	X			X				
	MBLARBC11X25-TP8 (8')	8/26/2021	1250	Soil	8	3	X	X	X	X	X	X	X				
	MBLARBC11X25-TP8 (10')	8/26/2021	1255	Soil	8	3	X	X	X	X	X	X	X				
	MBLARBC11X25-TP10 (10.5')	8/26/2021	1315	Soil	8	3	X	X	X	X	X	X	X				
	MBLARBC11X25-TP11 (10')	8/26/2021	1335	Soil	8	3	X	X	X	X	X	X	X				
	MBLARBC11X25-TP12 (8-10')	8/26/2021	1425	Soil	8	3	X	X	X	X	X	X	X				
	MBLARBC11X25-FL-NOC (4.5')	8/26/2021	1440	Soil	8	3	X	X	X	X	X	X	X				

Sampler(s): Please Print & Sign Dobransky		Shipment Method:	Turnaround Time: (Business Days) <input type="checkbox"/> 10 BD <input checked="" type="checkbox"/> 5 BD <input type="checkbox"/> 3 BD <input type="checkbox"/> 2 BD <input type="checkbox"/> 1 BD <input type="checkbox"/> Other _____	Results Due Date:														
Relinquished by: 	Date: 8/30/21 Time: 1330	Received by: 	Date: 8-30-21 Time: 1830	Notes:														
Relinquished by: 	Date: 8-30-21 Time: 1830	Received by (Laboratory): 	Date: 9/1/21 Time: 1430	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="width:10%;">ALS Cooler ID</td> <td rowspan="4" style="width:10%;">Cooler Temp</td> <td colspan="2">QC Package: (Check Box Below)</td> </tr> <tr> <td><input type="checkbox"/> Level II: Standard QC</td> <td><input type="checkbox"/> Level III: Raw Data</td> </tr> <tr> <td><input type="checkbox"/> TRRP LRC</td> <td><input type="checkbox"/> TRRP Level IV</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Level IV: SW846 Methods/CLP like</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"><input type="checkbox"/> Other: _____</td> </tr> </table>	ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)		<input type="checkbox"/> Level II: Standard QC	<input type="checkbox"/> Level III: Raw Data	<input type="checkbox"/> TRRP LRC	<input type="checkbox"/> TRRP Level IV	<input type="checkbox"/> Level IV: SW846 Methods/CLP like				<input type="checkbox"/> Other: _____	
ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)																
		<input type="checkbox"/> Level II: Standard QC	<input type="checkbox"/> Level III: Raw Data															
		<input type="checkbox"/> TRRP LRC	<input type="checkbox"/> TRRP Level IV															
		<input type="checkbox"/> Level IV: SW846 Methods/CLP like																
		<input type="checkbox"/> Other: _____																
Logged by (Laboratory): Ke	Date: 9/2/21 Time: 1315	Checked by (Laboratory): 																

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C

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

Sample Receipt Checklist

Client Name: **ENTRADA**

Date/Time Received: **01-Sep-21 14:30**

Work Order: **21090207**

Received by: **KRW**

Checklist completed by **Keith Wierenga**

02-Sep-21

Reviewed by: **Chad Whelton**

02-Sep-21

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): **3.1/4.1 C** **IR3**

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: **9/2/2021 1:20:32 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: