



04-May-2021

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

Re: **Carney 21-35 Resample**

Work Order: **21042085**

Dear Tim,

ALS Environmental received 4 samples on 22-Apr-2021 04:00 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 12.

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 ALS

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Entrada Consulting Group
Project: Carney 21-35 Resample
Work Order: 21042085

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>
21042085-01	CT2135-SS1	Soil		4/19/2021 12:00	4/22/2021 16:00	<input type="checkbox"/>
21042085-02	CT2135-SS2	Soil		4/19/2021 12:15	4/22/2021 16:00	<input type="checkbox"/>
21042085-03	CT2135-SS3	Soil		4/19/2021 12:30	4/22/2021 16:00	<input type="checkbox"/>
21042085-04	CT2135-SS4	Soil		4/19/2021 12:45	4/22/2021 16:00	<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-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	

ALS Group, USA

Date: 04-May-21

Client: Entrada Consulting Group
Project: Carney 21-35 Resample
Sample ID: CT2135-SS1
Collection Date: 4/19/2021 12:00 PM

Work Order: 21042085
Lab ID: 21042085-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
SOLUBLE CATIONS FOR SAR			Method: SW6020B		Prep: USDA Method 20B / 4/30/21		Analyst: STP
Calcium	1,700		2.5	5.0	mg/L	10	4/30/2021 17:37
Magnesium	110		0.50	2.0	mg/L	10	4/30/2021 17:37
Sodium	590		1.8	2.0	mg/L	10	4/30/2021 17:37
SODIUM ADSORPTION RATIO			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 4/30/21		Analyst: STP
Sodium Adsorption Ratio	3.8		0.010	0.010	none	1	4/30/2021
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 4/30/21		Analyst: QTN
Electrical Conductivity @ Saturation	12		0.011	0.10	mmhos/cm @25°C	20	4/30/2021 15:56

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

ALS Group, USA

Date: 04-May-21

Client: Entrada Consulting Group
Project: Carney 21-35 Resample
Sample ID: CT2135-SS2
Collection Date: 4/19/2021 12:15 PM

Work Order: 21042085
Lab ID: 21042085-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
ELECTRICAL CONDUCTIVITY (SAR)				Method: USDA H60 METHOD 20B	Prep: USDA Method 20B / 4/30/21		Analyst: QTN
Electrical Conductivity @ Saturation	1.6		0.011	0.10	mmhos/cm @25°C	20	4/30/2021 15:56

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

ALS Group, USA

Date: 04-May-21

Client: Entrada Consulting Group
Project: Carney 21-35 Resample
Sample ID: CT2135-SS3
Collection Date: 4/19/2021 12:30 PM

Work Order: 21042085
Lab ID: 21042085-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW3550 / 4/27/21		Analyst: JZB
DRO (C10-C28)	17		3.0	10	mg/Kg-dry	1	4/28/2021 03:24
<i>Surr: 4-Terphenyl-d14</i>	62.2			33-111	%REC	1	4/28/2021 03:24
SOLUBLE CATIONS FOR SAR							
			Method: SW6020B		Prep: USDA Method 20B / 4/30/21		Analyst: STP
Calcium	100		2.5	5.0	mg/L	10	4/30/2021 17:39
Magnesium	13		0.50	2.0	mg/L	10	4/30/2021 17:39
Sodium	66		1.8	2.0	mg/L	10	4/30/2021 17:39
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 4/30/21		Analyst: STP
Sodium Adsorption Ratio	1.6		0.010	0.010	none	1	4/30/2021
ELECTRICAL CONDUCTIVITY (SAR)							
			Method: USDA H60 METHOD 20B		Prep: USDA Method 20B / 4/30/21		Analyst: QTN
Electrical Conductivity @ Saturation	0.86		0.011	0.10	mmhos/cm @25°C	20	4/30/2021 15:56
MOISTURE							
			Method: SW3550C				Analyst: KTP
Moisture	5.3		0.10	0.10	% of sample	1	4/27/2021 15:29

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

ALS Group, USA

Date: 04-May-21

Client: Entrada Consulting Group
Project: Carney 21-35 Resample
Sample ID: CT2135-SS4
Collection Date: 4/19/2021 12:45 PM

Work Order: 21042085
Lab ID: 21042085-04
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
ELECTRICAL CONDUCTIVITY (SAR)				Method: USDA H60 METHOD 20B	Prep: USDA Method 20B / 4/30/21		Analyst: QTN
Electrical Conductivity @ Saturation	3.6		0.011	0.10	mmhos/cm @25°C	20	4/30/2021 15:56

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

Client: Entrada Consulting Group
Work Order: 21042085
Project: Carney 21-35 Resample

QC BATCH REPORT

Batch ID: **175732** Instrument ID **GC8** Method: **SW8015D**

MBLK		Sample ID: DBLKS1-175732-175732				Units: mg/Kg		Analysis Date: 4/27/2021 05:28 PM		
Client ID:		Run ID: GC8_210427C				SeqNo: 7344212		Prep Date: 4/27/2021		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	0	0	0		0			
<i>Surr: 4-Terphenyl-d14</i>	2.247	0	3.33	0	67.5	33-111	0			

LCS		Sample ID: DLCSS1-175732-175732				Units: mg/Kg		Analysis Date: 4/27/2021 11:26 PM		
Client ID:		Run ID: GC8_210427C				SeqNo: 7344221		Prep Date: 4/27/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	340.7	10	333	0	102	64-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.859	0	3.33	0	55.8	33-111	0			

MS		Sample ID: 21042087-02A MS				Units: mg/Kg		Analysis Date: 4/28/2021 06:02 AM		
Client ID:		Run ID: GC8_210427C				SeqNo: 7344231		Prep Date: 4/27/2021		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	411.3	39	324.3	175.2	72.8	64-130	0			
<i>Surr: 4-Terphenyl-d14</i>	1.376	0	3.243	0	42.4	33-111	0			

MSD		Sample ID: 21042087-02A MSD				Units: mg/Kg		Analysis Date: 4/28/2021 06:41 AM		
Client ID:		Run ID: GC8_210427C				SeqNo: 7344232		Prep Date: 4/27/2021		DF: 4
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	480.7	39	328.1	175.2	93.1	64-130	411.3	15.6	30	
<i>Surr: 4-Terphenyl-d14</i>	1.7	0	3.281	0	51.8	33-111	1.376	21	30	

The following samples were analyzed in this batch: 21042085-03A

Client: Entrada Consulting Group
 Work Order: 21042085
 Project: Carney 21-35 Resample

QC BATCH REPORT

Batch ID: **176005** Instrument ID **ICPMS3** Method: **SW6020B**

DUP		Sample ID: 21042087-02ADUP				Units: mg/L		Analysis Date: 4/30/2021 05:45 PM		
Client ID:		Run ID: ICPMS3_210430A				SeqNo: 7356313		Prep Date: 4/30/2021		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	114.9	5.0	0	0	0	0-0	110.2	4.17		
Magnesium	20.87	2.0	0	0	0	0-0	20.09	3.83		
Sodium	41.03	2.0	0	0	0	0-0	40.45	1.42		

The following samples were analyzed in this batch:

21042085-01A	21042085-02A	21042085-03A
21042085-04A		

Batch ID: **176005** Instrument ID **SAR** Method: **USDA H60 Method**

DUP		Sample ID: 21042087-02ADUP				Units: none		Analysis Date: 4/30/2021		
Client ID:		Run ID: SAR_210430B				SeqNo: 7359269		Prep Date: 4/30/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	0.9246	0.010	0	0	0		0.9304	0.624	50	

The following samples were analyzed in this batch:

21042085-01A	21042085-02A	21042085-03A
21042085-04A		

Batch ID: **176005** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP		Sample ID: 21042087-02A DUP				Units: mmhos/cm @25°		Analysis Date: 4/30/2021 03:56 PM		
Client ID:		Run ID: WETCHEM_210430O				SeqNo: 7354728		Prep Date: 4/30/2021		DF: 20
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	1.008	0.10	0	0	0		0.99	1.8	50	

The following samples were analyzed in this batch:

21042085-01A	21042085-02A	21042085-03A
21042085-04A		

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

Client: Entrada Consulting Group
 Work Order: 21042085
 Project: Carney 21-35 Resample

QC BATCH REPORT

Batch ID: **R315063** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R315063				Units: % of sample		Analysis Date: 4/27/2021 03:29 PM		
Client ID:		Run ID: MOIST_210427C		SeqNo: 7345287		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-R315063				Units: % of sample		Analysis Date: 4/27/2021 03:29 PM		
Client ID:		Run ID: MOIST_210427C		SeqNo: 7345286		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: 21042074-01A DUP				Units: % of sample		Analysis Date: 4/27/2021 03:29 PM		
Client ID:		Run ID: MOIST_210427C		SeqNo: 7345270		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 3.54 0.10 0 0 0 0-0 3.61 1.96 10

DUP		Sample ID: 21042087-02A DUP				Units: % of sample		Analysis Date: 4/27/2021 03:29 PM		
Client ID:		Run ID: MOIST_210427C		SeqNo: 7345278		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 6.74 0.10 0 0 0 0-0 6.54 3.01 10

The following samples were analyzed in this batch:

21042085-03A



Environmental

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

ALS Project Manager: Work Order #: 71042085

Customer Information		Project Information					Parameter/Method Request for Analysis									
Purchase Order		Project Name	Carney 21-35 Resample			A	DRO									
Work Order		Project Number	018-065			B	BTEX									
Company Name	Entrada Consulting Group	Bill To Company	Entrada Consulting Group			C	PAH (See Attached List) CO Table 910									
Send Report To	Tim Dobransky	Invoice Attn.	Tim Dobransky			D	Electrical Conductivity									
Address	330 Grand Ave, STE C	Address				E	Sodium Adsorption Ratio									
						F	pH									
City/State/Zip	Grand Junction, CO 81501	City/State/Zip				G	Metals (See Attached List) CO Table 910									
Phone	970.270.2986	Phone				H	Arsenic									
Fax		Fax				I										
e-Mail Address	tdobransky@entradainc.com	e-Mail Address				J										

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CT2135-SS1	04/19/21	1200	Soil	8	1				X	X						
2	CT2135-SS2	04/19/21	1215	Soil	8	1				X							
3	CT2135-SS3	04/19/21	1230	Soil	8	2	X			X	X						
4	CT2135-SS4	04/19/21	1245	Soil	8	1				X							
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Jason McLarty
 Shipment Method: FedEx
 Required Turnaround Time: STD 10 Wk Days 5 Wk Days 2 Wk Days 24 Hour Other
 Results Due Date:

Relinquished by: [Signature] Date: 4/21/21 Time: Received by: [Signature]
 Notes: Chevron Pricing Applies - Per Bruce Schlatter
 Relinquished by: [Signature] Date: 4-21-21 Time: 1830 Fedx Received by (Laboratory): [Signature] Date: 4/21/21 1000
 Cooler Temp. 3.2°C
 QC Package: (Check Box Below)
 Level II: Standard QC
 Level III: Std QC + Raw Data
 Level IV: SW846 CLP-Like
 Logged by (Laboratory): [Signature] Date: 4/23/21 Time: 1040 Checked by (Laboratory): [Signature]
 Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035
 Other:

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental. Copyright 2011 by ALS Group

Sample Receipt Checklist

Client Name: **ENTRADA**

Date/Time Received: **22-Apr-21 16:00**

Work Order: **21042085**

Received by: **KRW**

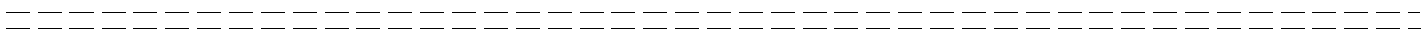
Checklist completed by Keith Wierenga 23-Apr-21
eSignature Date

Reviewed by: Chad Whelton 23-Apr-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="3.2/4.2 C"/>		<input type="text" value="IR3"/>
Cooler(s)/Kit(s):	<input type="text"/>		
Date/Time sample(s) sent to storage:	<input type="text" value="4/23/2021 10:39:22 AM"/>		
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: