

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

#### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Matador Resources	Contact Casey Snow
Address 500 N Main St Suite 1 Roswell NM 88201	Telephone No. (972) 371-5439
Facility Name Young Deep Unit 23	Facility Type Oil

Surface Owner	Mineral Owner Federal	API No. 30-025-29896
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#### LOCATION OF RELEASE

Unit Letter J	Section 9	Township 18S	Range 32E	Feet from the 2310	North/South Line S	Feet from the 1980	East/West Line E	County Lea
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Latitude 32.761017 -32° 8'46.05"N Longitude -103.7693566

#### NATURE OF RELEASE

Type of Release Oil	Volume of Release ~10 bbls	Volume Recovered ~7bbls
Source of Release Equalizer on tank not open	Date and Hour of Occurrence	Date and Hour of Discovery 9-29-16 8am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jason Thibodeaux	
By Whom? Rickie Anguiano	Date and Hour Sep. 29, 2016 8am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*



**APPROVED**

By Olivia Yu at 3:21 pm, Mar 27, 2018

Describe Cause of Problem and Remedial Action Taken.\*  
Equalizer line was shut. Oil could not flow to next production tank,

Describe Area Affected and Cleanup Action Taken.\*  
~10 BBLS of oil spilled into containment. ~7 BBLS recovered.  
Soil in containment will be removed and replaced.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Casey Snow	Approved by Environmental Specialist: 	
Title: Manager Regulatory, Environmental, & Safety	Approval Date: 3/27/2018	Expiration Date: xx/xx/xxxx
E-mail Address: csnow@matadorresources.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: August 2, 2017, 2017 Phone: (972) 371-5439		

\* Attach Additional Sheets If Necessary

1RP-4474



*Detailed Site and Sample Map*  
 Young Deep Unit 23- Matador Resources  
 S.9 T18S R32E, New Mexico

Figure 2

Date Saved: 7/6/2017	By: _____	Date: _____	Revisions	Descr: _____
	By: _____	Date: _____		Descr: _____
Copyright 2015 Souder, Miller & Associates - All Rights Reserved				

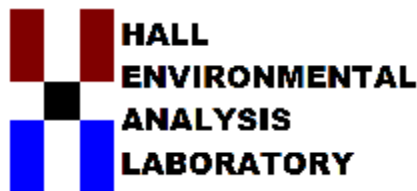
Drawn	Lucas Middleton
Checked	_____
Approved	_____



201 South Halaguena Street  
 Carlsbad, New Mexico 88221  
 (575) 689-7040  
 www.soudermiller.com  
 Serving the Southwest & Rocky Mountains

**Table 1: Summary of Laboratory Analyses**

Analytical Report- 1706A46/1708486-08486	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1706A46/1708486-001	L1	6/14/2017, 8/3/17	3'	<0.093	<0.023	<4.6	14	<30
1706A46/1708486-002	L2	6/14/2017, 8/3/17	3'	<0.093	<0.024	<4.8	220	<30
1706A46/1708486-003	L3	6/14/2017, 8/3/17	3'	<0.092	<0.023	<4.6	<9.6	<30
1706A46/1708486-004	L4	6/14/2017, 8/3/17	3'	<0.097	<0.024	<4.8	55	70
1706A46/1708486-005	L5	6/14/2017, 8/3/17	3'	<0.094	<0.024	<4.7	150	45



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 30, 2017

Austin Weyant  
Souder, Miller & Associates  
201 S Halagueno  
Carlsbad, NM 88221  
TEL: (575) 689-7040  
FAX

RE: Young Deep Unit II

OrderNo.: 1706A46

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order: 1706A46

Date Reported: 6/30/2017

**CLIENT:** Souder, Miller & Associates  
**Project:** Young Deep Unit II

**Lab Order:** 1706A46

**Lab ID:** 1706A46-001 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L1 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	ND	30		mg/Kg	20	6/28/2017 2:24:57 PM	32536

**Lab ID:** 1706A46-002 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L2 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	ND	30		mg/Kg	20	6/28/2017 2:37:22 PM	32536

**Lab ID:** 1706A46-003 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L3 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	ND	30		mg/Kg	20	6/28/2017 2:49:46 PM	32536

**Lab ID:** 1706A46-004 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	70	30		mg/Kg	20	6/28/2017 3:02:11 PM	32536

**Lab ID:** 1706A46-005 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L5 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	45	30		mg/Kg	20	6/28/2017 3:14:35 PM	32536

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1706A46

30-Jun-17

Client: Souder, Miller &amp; Associates

Project: Young Deep Unit II

Sample ID	MB-32536	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	32536	RunNo:	43854					
Prep Date:	6/28/2017	Analysis Date:	6/28/2017	SeqNo:	1383063	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32536	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	32536	RunNo:	43854					
Prep Date:	6/28/2017	Analysis Date:	6/28/2017	SeqNo:	1383064	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1706A46

RcptNo: 1

Received By: Sophia Campuzano

6/20/2017 10:15:00 AM

Completed By: Richie Eriacho

6/20/2017 11:03:24 AM

Reviewed By:

*Re 103*

*6/20/17*

*Sophia Campuzano*

*Richie Eriacho*

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.0	Good				





3-11-61

g Address:

Halagueno

e #: 575-689-5351

[illegible]

courier





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4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 30, 2017

Austin Weyant  
Souder, Miller & Associates  
201 S Halagueno  
Carlsbad, NM 88221  
TEL: (575) 689-7040  
FAX

RE: Young Deep Unit II

OrderNo.: 1706A46

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order: 1706A46

Date Reported: 6/30/2017

**CLIENT:** Souder, Miller & Associates  
**Project:** Young Deep Unit II

**Lab Order:** 1706A46

**Lab ID:** 1706A46-001 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L1 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	ND	30		mg/Kg	20	6/28/2017 2:24:57 PM	32536

**Lab ID:** 1706A46-002 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L2 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	ND	30		mg/Kg	20	6/28/2017 2:37:22 PM	32536

**Lab ID:** 1706A46-003 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L3 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	ND	30		mg/Kg	20	6/28/2017 2:49:46 PM	32536

**Lab ID:** 1706A46-004 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	70	30		mg/Kg	20	6/28/2017 3:02:11 PM	32536

**Lab ID:** 1706A46-005 **Collection Date:** 6/14/2017 2:00:00 PM  
**Client Sample ID:** L5 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: MRA							
Chloride	45	30		mg/Kg	20	6/28/2017 3:14:35 PM	32536

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1706A46

30-Jun-17

Client: Souder, Miller &amp; Associates

Project: Young Deep Unit II

Sample ID	MB-32536		SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	32536		RunNo:	43854				
Prep Date:	6/28/2017		Analysis Date:	6/28/2017		SeqNo:	1383063		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-32536		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 32536		RunNo: 43854					
Prep Date:	6/28/2017		Analysis Date: 6/28/2017		SeqNo: 1383064		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
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P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1706A46

RcptNo: 1

Received By: Sophia Campuzano

6/20/2017 10:15:00 AM

Completed By: Richie Eriacho

6/20/2017 11:03:24 AM

Reviewed By:

*Re 103*

*6/20/17*

*Sophia Campuzano*

*Richie Eriacho*

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:


17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.0	Good				

[illegible]

Turn-Around Time: <u>7 day Turn</u>	
<input type="checkbox"/> Standard	<input type="checkbox"/> Rush
Project Name: <u>Young Deep Unit 11</u>	
Project #: <u>7</u>	
Project Manager: <u>Austin Weyant</u>	
Sampler: <u>LCM</u>	
On Ice: <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Sample Temperature: <u>6.0</u>	
Container Type and #	Preservative Type
	HEAL No. <u>1706A448</u>
	<u>-001</u>
	<u>-002</u>
	<u>-003</u>
	<u>-004</u>
	<u>-005</u>
Received by: <u>[Signature]</u>	Date: <u>6/19/17</u> Time: <u>0900</u>
Received by: <u>[Signature]</u>	Date: <u>06/20/17</u> Time: <u>1015</u>



**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

[illegible]

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date:	Time:
6/18/17	1900	<i>[Signature]</i>	<i>[Signature]</i>	6/19/17	0900
Date:	Time:	Relinquished by:	Received by:	Date:	Time:
6/18/17	1900	<i>[Signature]</i>	<i>[Signature]</i>	06/12/17	1015



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

August 15, 2017

Austin Weyant  
Souder, Miller & Associates  
201 S Halagueno  
Carlsbad, NM 88221  
TEL: (575) 689-7040  
FAX

RE: Young Deep Unit 23

OrderNo.: 1708486

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/8/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1708486

Date Reported: 8/15/2017

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: L1-3

Project: Young Deep Unit 23

Collection Date: 8/3/2017 11:00:00 AM

Lab ID: 1708486-001

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: <b>MAB</b>
Petroleum Hydrocarbons, TR	ND	18		mg/Kg	1	8/14/2017	33322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	14	9.7		mg/Kg	1	8/10/2017 7:49:29 PM	33273
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2017 7:49:29 PM	33273
Surr: DNOP	92.7	70-130		%Rec	1	8/10/2017 7:49:29 PM	33273
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>AG</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2017 11:28:22 PM	33248
Surr: BFB	84.4	54-150		%Rec	1	8/9/2017 11:28:22 PM	33248
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>AG</b>
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	8/9/2017 11:28:22 PM	33248
Benzene	ND	0.023		mg/Kg	1	8/9/2017 11:28:22 PM	33248
Toluene	ND	0.046		mg/Kg	1	8/9/2017 11:28:22 PM	33248
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2017 11:28:22 PM	33248
Xylenes, Total	ND	0.093		mg/Kg	1	8/9/2017 11:28:22 PM	33248
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	8/9/2017 11:28:22 PM	33248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1708486

Date Reported: 8/15/2017

CLIENT: Souder, Miller &amp; Associates

Client Sample ID: L2-3

Project: Young Deep Unit 23

Collection Date: 8/3/2017 11:00:00 AM

Lab ID: 1708486-002

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: <b>MAB</b>
Petroleum Hydrocarbons, TR	610	19		mg/Kg	1	8/14/2017	33322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	220	9.7		mg/Kg	1	8/11/2017 10:48:07 AM	33273
Motor Oil Range Organics (MRO)	250	48		mg/Kg	1	8/11/2017 10:48:07 AM	33273
Surr: DNOP	98.3	70-130		%Rec	1	8/11/2017 10:48:07 AM	33273
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>AG</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/9/2017 11:52:15 PM	33248
Surr: BFB	90.6	54-150		%Rec	1	8/9/2017 11:52:15 PM	33248
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>AG</b>
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	8/9/2017 11:52:15 PM	33248
Benzene	ND	0.024		mg/Kg	1	8/9/2017 11:52:15 PM	33248
Toluene	ND	0.048		mg/Kg	1	8/9/2017 11:52:15 PM	33248
Ethylbenzene	ND	0.048		mg/Kg	1	8/9/2017 11:52:15 PM	33248
Xylenes, Total	ND	0.096		mg/Kg	1	8/9/2017 11:52:15 PM	33248
Surr: 4-Bromofluorobenzene	115	66.6-132		%Rec	1	8/9/2017 11:52:15 PM	33248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1708486

Date Reported: 8/15/2017

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** L3-3

**Project:** Young Deep Unit 23

**Collection Date:** 8/3/2017 11:00:00 AM

**Lab ID:** 1708486-003

**Matrix:** SOIL

**Received Date:** 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: <b>MAB</b>
Petroleum Hydrocarbons, TR	22	19		mg/Kg	1	8/14/2017	33322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/10/2017 8:34:04 PM	33273
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2017 8:34:04 PM	33273
Surr: DNOP	92.1	70-130		%Rec	1	8/10/2017 8:34:04 PM	33273
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>AG</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/10/2017 12:16:05 AM	33248
Surr: BFB	85.8	54-150		%Rec	1	8/10/2017 12:16:05 AM	33248
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>AG</b>
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	8/10/2017 12:16:05 AM	33248
Benzene	ND	0.023		mg/Kg	1	8/10/2017 12:16:05 AM	33248
Toluene	ND	0.046		mg/Kg	1	8/10/2017 12:16:05 AM	33248
Ethylbenzene	ND	0.046		mg/Kg	1	8/10/2017 12:16:05 AM	33248
Xylenes, Total	ND	0.092		mg/Kg	1	8/10/2017 12:16:05 AM	33248
Surr: 4-Bromofluorobenzene	114	66.6-132		%Rec	1	8/10/2017 12:16:05 AM	33248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1708486

Date Reported: 8/15/2017

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** L4-3

**Project:** Young Deep Unit 23

**Collection Date:** 8/3/2017 11:00:00 AM

**Lab ID:** 1708486-004

**Matrix:** SOIL

**Received Date:** 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: <b>MAB</b>
Petroleum Hydrocarbons, TR	220	20		mg/Kg	1	8/14/2017	33322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	55	9.6		mg/Kg	1	8/11/2017 11:12:58 AM	33273
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	8/11/2017 11:12:58 AM	33273
Surr: DNOP	84.1	70-130		%Rec	1	8/11/2017 11:12:58 AM	33273
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>AG</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2017 12:39:58 AM	33248
Surr: BFB	84.9	54-150		%Rec	1	8/10/2017 12:39:58 AM	33248
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>AG</b>
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	8/10/2017 12:39:58 AM	33248
Benzene	ND	0.024		mg/Kg	1	8/10/2017 12:39:58 AM	33248
Toluene	ND	0.048		mg/Kg	1	8/10/2017 12:39:58 AM	33248
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2017 12:39:58 AM	33248
Xylenes, Total	ND	0.097		mg/Kg	1	8/10/2017 12:39:58 AM	33248
Surr: 4-Bromofluorobenzene	112	66.6-132		%Rec	1	8/10/2017 12:39:58 AM	33248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1708486

Date Reported: 8/15/2017

**CLIENT:** Souder, Miller & Associates

**Client Sample ID:** L5-3

**Project:** Young Deep Unit 23

**Collection Date:** 8/3/2017 11:00:00 AM

**Lab ID:** 1708486-005

**Matrix:** SOIL

**Received Date:** 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: <b>MAB</b>
Petroleum Hydrocarbons, TR	240	19		mg/Kg	1	8/14/2017	33322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	150	9.7		mg/Kg	1	8/14/2017 10:13:24 AM	33273
Motor Oil Range Organics (MRO)	390	48		mg/Kg	1	8/14/2017 10:13:24 AM	33273
Surr: DNOP	100	70-130		%Rec	1	8/14/2017 10:13:24 AM	33273
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>AG</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/10/2017 1:03:54 AM	33248
Surr: BFB	88.3	54-150		%Rec	1	8/10/2017 1:03:54 AM	33248
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>AG</b>
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	8/10/2017 1:03:54 AM	33248
Benzene	ND	0.024		mg/Kg	1	8/10/2017 1:03:54 AM	33248
Toluene	ND	0.047		mg/Kg	1	8/10/2017 1:03:54 AM	33248
Ethylbenzene	ND	0.047		mg/Kg	1	8/10/2017 1:03:54 AM	33248
Xylenes, Total	ND	0.094		mg/Kg	1	8/10/2017 1:03:54 AM	33248
Surr: 4-Bromofluorobenzene	112	66.6-132		%Rec	1	8/10/2017 1:03:54 AM	33248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1708486

15-Aug-17

Client: Souder, Miller &amp; Associates

Project: Young Deep Unit 23

Sample ID	MB-33322	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	33322	RunNo:	44941					
Prep Date:	8/11/2017	Analysis Date:	8/14/2017	SeqNo:	1421414	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-33322	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	33322	RunNo:	44941					
Prep Date:	8/11/2017	Analysis Date:	8/14/2017	SeqNo:	1421415	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	98.0	80.5	126			

Sample ID	LCSD-33322	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	33322	RunNo:	44941					
Prep Date:	8/11/2017	Analysis Date:	8/14/2017	SeqNo:	1421416	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	100	80.5	126	2.20	20	

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1708486

15-Aug-17

Client: Souder, Miller &amp; Associates

Project: Young Deep Unit 23

Sample ID	LCS-33273		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 33273		RunNo: 44860					
Prep Date:	8/9/2017		Analysis Date: 8/10/2017		SeqNo: 1418517		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	73.2	114			
Surr: DNOP	4.5		5.000		89.5	70	130			

Sample ID	MB-33273		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 33273		RunNo: 44860					
Prep Date:	8/9/2017		Analysis Date: 8/10/2017		SeqNo: 1418518		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.0	70	130			

### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1708486

15-Aug-17

Client: Souder, Miller &amp; Associates

Project: Young Deep Unit 23

Sample ID	LCS-33248		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 33248		RunNo: 44855					
Prep Date:	8/8/2017		Analysis Date: 8/9/2017		SeqNo: 1418071		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	76.4	125			
Surr: BFB	970		1000		96.5	54	150			

Sample ID	MB-33248		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	33248		RunNo:	44855				
Prep Date:	8/8/2017		Analysis Date:	8/9/2017		SeqNo:	1418072		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	880		1000		87.8	54	150				

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1708486

15-Aug-17

Client: Souder, Miller &amp; Associates

Project: Young Deep Unit 23

Sample ID	LCS-33248			SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS			Batch ID:	33248		RunNo:	44855			
Prep Date:	8/8/2017			Analysis Date:	8/9/2017		SeqNo:	1418218		Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Methyl tert-butyl ether (MTBE)	0.92	0.10	1.000	0	92.3	66.5	120				
Benzene	0.98	0.025	1.000	0	98.2	80	120				
Toluene	0.98	0.050	1.000	0	98.2	80	120				
Ethylbenzene	0.98	0.050	1.000	0	97.7	80	120				
Xylenes, Total	3.0	0.10	3.000	0	100	80	120				
Surr: 4-Bromofluorobenzene	1.2		1.000		118	66.6	132				

Sample ID	MB-33248		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 33248		RunNo: 44855					
Prep Date:	8/8/2017		Analysis Date: 8/9/2017		SeqNo: 1418219		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		115	66.6	132			

### Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

## Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1708486

RcptNo: 1

Received By: Erin Melendrez

8/8/2017 9:40:00 AM

Completed By: Ashley Gallegos

8/8/2017 1:26:33 PM

Reviewed By: ENM

8/8/17

*Handwritten signatures*

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0° C Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Yes			

[illegible]

g Address:

Halagueno

e #: 575-689-5351

[illegible]

courier