



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)

November 08, 2016

Kerry Egan  
Agave Energy Company  
P.O. Box 158  
Artesia, NM 88211  
TEL: (575) 513-8988  
FAX

RE: Catclaw Battery

OrderNo.: 1611232

Dear Kerry Egan:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/4/2016 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 1611232

Date Reported: 11/8/2016

**CLIENT:** Agave Energy Company

**Client Sample ID:** Catclaw #1

**Project:** Catclaw Battery

**Collection Date:** 11/2/2016 1:00:00 PM

**Lab ID:** 1611232-001

**Matrix:** SOIL

**Received Date:** 11/4/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	400	30		mg/Kg	20	11/7/2016 10:34:19 AM	28488
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	450	9.5		mg/Kg	1	11/7/2016 2:51:16 PM	28470
Surr: DNOP	116	70-130		%Rec	1	11/7/2016 2:51:16 PM	28470
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	37	9.4		mg/Kg	2	11/7/2016 12:35:11 PM	28479
Surr: BFB	126	68.3-144		%Rec	2	11/7/2016 12:35:11 PM	28479
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.074	0.047		mg/Kg	2	11/7/2016 12:35:11 PM	28479
Toluene	1.4	0.094		mg/Kg	2	11/7/2016 12:35:11 PM	28479
Ethylbenzene	0.84	0.094		mg/Kg	2	11/7/2016 12:35:11 PM	28479
Xylenes, Total	2.9	0.19		mg/Kg	2	11/7/2016 12:35:11 PM	28479
Surr: 4-Bromofluorobenzene	117	80-120		%Rec	2	11/7/2016 12:35:11 PM	28479

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
	R	RPD outside accepted recovery limits	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 1611232

Date Reported: 11/8/2016

**CLIENT:** Agave Energy Company

**Client Sample ID:** Catclaw #2

**Project:** Catclaw Battery

**Collection Date:** 11/2/2016 1:00:00 PM

**Lab ID:** 1611232-002

**Matrix:** SOIL

**Received Date:** 11/4/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	580	30		mg/Kg	20	11/7/2016 11:11:33 AM	28488
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	880	9.7		mg/Kg	1	11/7/2016 2:36:28 PM	28470
Surr: DNOP	124	70-130		%Rec	1	11/7/2016 2:36:28 PM	28470
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	79	25		mg/Kg	5	11/7/2016 12:58:38 PM	28479
Surr: BFB	119	68.3-144		%Rec	5	11/7/2016 12:58:38 PM	28479
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.26	0.12		mg/Kg	5	11/7/2016 12:58:38 PM	28479
Toluene	3.2	0.25		mg/Kg	5	11/7/2016 12:58:38 PM	28479
Ethylbenzene	2.2	0.25		mg/Kg	5	11/7/2016 12:58:38 PM	28479
Xylenes, Total	6.2	0.50		mg/Kg	5	11/7/2016 12:58:38 PM	28479
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	5	11/7/2016 12:58:38 PM	28479

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
	R	RPD outside accepted recovery limits	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 1611232

Date Reported: 11/8/2016

**CLIENT:** Agave Energy Company

**Client Sample ID:** Catclaw #3

**Project:** Catclaw Battery

**Collection Date:** 11/2/2016 1:00:00 PM

**Lab ID:** 1611232-003

**Matrix:** SOIL

**Received Date:** 11/4/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	280	30		mg/Kg	20	11/7/2016 11:23:57 AM	28488
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	2400	94		mg/Kg	10	11/7/2016 3:19:44 PM	28470
Surr: DNOP	0	70-130	S	%Rec	10	11/7/2016 3:19:44 PM	28470
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	840	240		mg/Kg	50	11/7/2016 10:37:35 AM	28479
Surr: BFB	118	68.3-144		%Rec	50	11/7/2016 10:37:35 AM	28479
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	4.6	1.2		mg/Kg	50	11/7/2016 10:37:35 AM	28479
Toluene	24	2.4		mg/Kg	50	11/7/2016 10:37:35 AM	28479
Ethylbenzene	7.3	2.4		mg/Kg	50	11/7/2016 10:37:35 AM	28479
Xylenes, Total	29	4.8		mg/Kg	50	11/7/2016 10:37:35 AM	28479
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	50	11/7/2016 10:37:35 AM	28479

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
	R	RPD outside accepted recovery limits	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 1611232

Date Reported: 11/8/2016

**CLIENT:** Agave Energy Company

**Client Sample ID:** Catclaw #4

**Project:** Catclaw Battery

**Collection Date:** 11/2/2016 1:00:00 PM

**Lab ID:** 1611232-004

**Matrix:** SOIL

**Received Date:** 11/4/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	870	30		mg/Kg	20	11/7/2016 11:36:21 AM	28488
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	510	9.9		mg/Kg	1	11/7/2016 4:14:10 PM	28470
Surr: DNOP	113	70-130		%Rec	1	11/7/2016 4:14:10 PM	28470
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	45	9.8		mg/Kg	2	11/7/2016 1:22:01 PM	28479
Surr: BFB	158	68.3-144	S	%Rec	2	11/7/2016 1:22:01 PM	28479
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.067	0.049		mg/Kg	2	11/7/2016 1:22:01 PM	28479
Toluene	0.83	0.098		mg/Kg	2	11/7/2016 1:22:01 PM	28479
Ethylbenzene	0.59	0.098		mg/Kg	2	11/7/2016 1:22:01 PM	28479
Xylenes, Total	2.0	0.20		mg/Kg	2	11/7/2016 1:22:01 PM	28479
Surr: 4-Bromofluorobenzene	113	80-120		%Rec	2	11/7/2016 1:22:01 PM	28479

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
	R	RPD outside accepted recovery limits	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 1611232

Date Reported: 11/8/2016

**CLIENT:** Agave Energy Company

**Client Sample ID:** Catclaw #5

**Project:** Catclaw Battery

**Collection Date:** 11/2/2016 1:00:00 PM

**Lab ID:** 1611232-005

**Matrix:** SOIL

**Received Date:** 11/4/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	80	30		mg/Kg	20	11/7/2016 11:48:46 AM	28488
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	240	97		mg/Kg	10	11/7/2016 4:02:47 PM	28470
Surr: DNOP	0	70-130	S	%Rec	10	11/7/2016 4:02:47 PM	28470
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	60	25		mg/Kg	5	11/7/2016 11:24:43 AM	28479
Surr: BFB	114	68.3-144		%Rec	5	11/7/2016 11:24:43 AM	28479
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.19	0.12		mg/Kg	5	11/7/2016 11:24:43 AM	28479
Toluene	2.0	0.25		mg/Kg	5	11/7/2016 11:24:43 AM	28479
Ethylbenzene	1.4	0.25		mg/Kg	5	11/7/2016 11:24:43 AM	28479
Xylenes, Total	4.4	0.49		mg/Kg	5	11/7/2016 11:24:43 AM	28479
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	5	11/7/2016 11:24:43 AM	28479

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
	R	RPD outside accepted recovery limits	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#: 1611232

08-Nov-16

Client: Agave Energy Company

Project: Catclaw Battery

Sample ID	MB-28488		SampType: MBLK		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 28488		RunNo: 38499					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202342		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-28488		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 28488		RunNo: 38499					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202343		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.6	90	110			

Sample ID	MB-28488		SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	28488		RunNo:	38500				
Prep Date:	11/4/2016		Analysis Date:	11/7/2016		SeqNo:	1202365		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-28488		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 28488		RunNo: 38500					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202366		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	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  
R RPD outside accepted recovery limits  
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#: 1611232

08-Nov-16

Client: Agave Energy Company

Project: Catclaw Battery

Sample ID	MB-28470		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 28470		RunNo: 38494					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202336		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.3		10.00		93.1	70	130			

Sample ID	LCS-28470		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 28470		RunNo: 38494					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202420		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.4	62.6	124			
Surr: DNOP	4.4		5.000		87.3	70	130			

### 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  
R RPD outside accepted recovery limits  
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#: 1611232

08-Nov-16

Client: Agave Energy Company

Project: Catclaw Battery

Sample ID	MB-28479		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 28479		RunNo: 38496					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202502		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	830		1000		83.2	68.3	144			

Sample ID	LCS-28479		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 28479		RunNo: 38496					
Prep Date:	11/4/2016		Analysis Date: 11/7/2016		SeqNo: 1202503		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.1	74.6	123			
Surr: BFB	900		1000		90.4	68.3	144			

### 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  
R RPD outside accepted recovery limits  
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#: 1611232

08-Nov-16

Client: Agave Energy Company

Project: Catclaw Battery

Sample ID	<b>MB-28479</b>		SampType:	<b>MBLK</b>		TestCode:	<b>EPA Method 8021B: Volatiles</b>			
Client ID:	<b>PBS</b>		Batch ID:	<b>28479</b>		RunNo:	<b>38496</b>			
Prep Date:	<b>11/4/2016</b>		Analysis Date:	<b>11/7/2016</b>		SeqNo:	<b>1202543</b>	Units:	<b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	<b>LCS-28479</b>		SampType:	<b>LCS</b>		TestCode:	<b>EPA Method 8021B: Volatiles</b>			
Client ID:	<b>LCSS</b>		Batch ID:	<b>28479</b>		RunNo:	<b>38496</b>			
Prep Date:	<b>11/4/2016</b>		Analysis Date:	<b>11/7/2016</b>		SeqNo:	<b>1202544</b>	Units:	<b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	75.2	115			
Toluene	1.0	0.050	1.000	0	100	80.7	112			
Ethylbenzene	0.98	0.050	1.000	0	97.8	78.9	117			
Xylenes, Total	2.9	0.10	3.000	0	97.4	79.2	115			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	<b>1611232-001AMS</b>		SampType:	<b>MS</b>		TestCode:	<b>EPA Method 8021B: Volatiles</b>			
Client ID:	<b>Catclaw #1</b>		Batch ID:	<b>28479</b>		RunNo:	<b>38496</b>			
Prep Date:	<b>11/4/2016</b>		Analysis Date:	<b>11/7/2016</b>		SeqNo:	<b>1202545</b>	Units:	<b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9756	0.07376	100	71.5	122			
Toluene	2.3	0.098	0.9756	1.365	94.4	71.2	123			
Ethylbenzene	1.8	0.098	0.9756	0.8401	101	75.2	130			
Xylenes, Total	5.8	0.20	2.927	2.878	100	72.4	131			
Surr: 4-Bromofluorobenzene	2.2		1.951		115	80	120			

Sample ID	<b>1611232-001AMSD</b>		SampType:	<b>MSD</b>		TestCode:	<b>EPA Method 8021B: Volatiles</b>			
Client ID:	<b>Catclaw #1</b>		Batch ID:	<b>28479</b>		RunNo:	<b>38496</b>			
Prep Date:	<b>11/4/2016</b>		Analysis Date:	<b>11/7/2016</b>		SeqNo:	<b>1202546</b>	Units:	<b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.049	0.9709	0.07376	83.3	71.5	122	17.4	20	
Toluene	1.9	0.097	0.9709	1.365	59.9	71.2	123	16.1	20	S
Ethylbenzene	1.6	0.097	0.9709	0.8401	80.4	75.2	130	11.9	20	
Xylenes, Total	5.2	0.19	2.913	2.878	78.4	72.4	131	11.8	20	
Surr: 4-Bromofluorobenzene	2.3		1.942		118	80	120	0	0	

### 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  
R RPD outside accepted recovery limits  
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: AGAVE ENERGY COMP

Work Order Number: 1611232

RcptNo: 1

Received by/date:

AS 11/04/16

Logged By: Lindsay Mangin

11/4/2016 9:55:00 AM

*Lindsay Mangin*

Completed By: Lindsay Mangin

11/4/2016 10:17:01 AM

*Lindsay Mangin*

Reviewed By:

JC 11/04/16

### 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?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

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?

Yes ☒

No ☐

(If no, notify customer for authorization)

# 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	2.1	Good	Yes			

4901 Hawkins NE - Albuquerque, NM 87109

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

[illegible]

necessary, samples submitted to Hell Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.