



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

September 23, 2016

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

RE: Campbell Road Leak

OrderNo.: 1609C73

Dear Kerry Egan:

Hall Environmental Analysis Laboratory received 12 sample(s) on 9/22/2016 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 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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-3M-N) North

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-001

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 1:20:53 PM	27672
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/22/2016 11:49:09 AM	M37409
Surr: BFB	105	70-130		%Rec	1	9/22/2016 11:49:09 AM	M37409
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2016 11:44:14 AM	27651
Surr: DNOP	92.6	70-130		%Rec	1	9/22/2016 11:44:14 AM	27651
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.017		mg/Kg	1	9/22/2016 11:49:09 AM	S37409
Toluene	ND	0.034		mg/Kg	1	9/22/2016 11:49:09 AM	S37409
Ethylbenzene	ND	0.034		mg/Kg	1	9/22/2016 11:49:09 AM	S37409
Xylenes, Total	ND	0.069		mg/Kg	1	9/22/2016 11:49:09 AM	S37409
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	9/22/2016 11:49:09 AM	S37409
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	9/22/2016 11:49:09 AM	S37409
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/22/2016 11:49:09 AM	S37409
Surr: Toluene-d8	95.2	70-130		%Rec	1	9/22/2016 11:49:09 AM	S37409

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

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
	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 1609C73

Date Reported: 9/23/2016

CLIENT: Agave Energy Company

Client Sample ID: (T-3M-N) East

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-002

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 1:33:18 PM	27672
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	9/22/2016 12:17:56 PM	M37409
Surr: BFB	105	70-130		%Rec	1	9/22/2016 12:17:56 PM	M37409
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2016 12:06:00 PM	27651
Surr: DNOP	95.3	70-130		%Rec	1	9/22/2016 12:06:00 PM	27651
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.018		mg/Kg	1	9/22/2016 12:17:56 PM	S37409
Toluene	ND	0.036		mg/Kg	1	9/22/2016 12:17:56 PM	S37409
Ethylbenzene	ND	0.036		mg/Kg	1	9/22/2016 12:17:56 PM	S37409
Xylenes, Total	ND	0.072		mg/Kg	1	9/22/2016 12:17:56 PM	S37409
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	9/22/2016 12:17:56 PM	S37409
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	9/22/2016 12:17:56 PM	S37409
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/22/2016 12:17:56 PM	S37409
Surr: Toluene-d8	96.3	70-130		%Rec	1	9/22/2016 12:17:56 PM	S37409

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

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
	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 1609C73

Date Reported: 9/23/2016

CLIENT: Agave Energy Company

Client Sample ID: (T-3M-N) South

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-003

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 1:45:42 PM	27672
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/22/2016 12:46:45 PM	M37409
Surr: BFB	101	70-130		%Rec	1	9/22/2016 12:46:45 PM	M37409
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2016 12:27:50 PM	27651
Surr: DNOP	97.2	70-130		%Rec	1	9/22/2016 12:27:50 PM	27651
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.017		mg/Kg	1	9/22/2016 12:46:45 PM	S37409
Toluene	ND	0.034		mg/Kg	1	9/22/2016 12:46:45 PM	S37409
Ethylbenzene	ND	0.034		mg/Kg	1	9/22/2016 12:46:45 PM	S37409
Xylenes, Total	ND	0.067		mg/Kg	1	9/22/2016 12:46:45 PM	S37409
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	1	9/22/2016 12:46:45 PM	S37409
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	9/22/2016 12:46:45 PM	S37409
Surr: Dibromofluoromethane	108	70-130		%Rec	1	9/22/2016 12:46:45 PM	S37409
Surr: Toluene-d8	93.4	70-130		%Rec	1	9/22/2016 12:46:45 PM	S37409

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-3M-N) West

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-004

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 1:58:07 PM	27672
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/22/2016 1:15:39 PM	M37409
Surr: BFB	106	70-130		%Rec	1	9/22/2016 1:15:39 PM	M37409
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2016 12:49:23 PM	27651
Surr: DNOP	96.6	70-130		%Rec	1	9/22/2016 12:49:23 PM	27651
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.017		mg/Kg	1	9/22/2016 1:15:39 PM	S37409
Toluene	ND	0.034		mg/Kg	1	9/22/2016 1:15:39 PM	S37409
Ethylbenzene	ND	0.034		mg/Kg	1	9/22/2016 1:15:39 PM	S37409
Xylenes, Total	ND	0.068		mg/Kg	1	9/22/2016 1:15:39 PM	S37409
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	1	9/22/2016 1:15:39 PM	S37409
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	9/22/2016 1:15:39 PM	S37409
Surr: Dibromofluoromethane	105	70-130		%Rec	1	9/22/2016 1:15:39 PM	S37409
Surr: Toluene-d8	92.0	70-130		%Rec	1	9/22/2016 1:15:39 PM	S37409

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-4F-S) North

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-005

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 2:10:31 PM	27672
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	9/22/2016 1:44:29 PM	M37409
Surr: BFB	102	70-130		%Rec	1	9/22/2016 1:44:29 PM	M37409
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/22/2016 1:11:11 PM	27651
Surr: DNOP	99.3	70-130		%Rec	1	9/22/2016 1:11:11 PM	27651
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.018		mg/Kg	1	9/22/2016 1:44:29 PM	S37409
Toluene	ND	0.036		mg/Kg	1	9/22/2016 1:44:29 PM	S37409
Ethylbenzene	ND	0.036		mg/Kg	1	9/22/2016 1:44:29 PM	S37409
Xylenes, Total	ND	0.073		mg/Kg	1	9/22/2016 1:44:29 PM	S37409
Surr: 1,2-Dichloroethane-d4	95.7	70-130		%Rec	1	9/22/2016 1:44:29 PM	S37409
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	9/22/2016 1:44:29 PM	S37409
Surr: Dibromofluoromethane	109	70-130		%Rec	1	9/22/2016 1:44:29 PM	S37409
Surr: Toluene-d8	94.9	70-130		%Rec	1	9/22/2016 1:44:29 PM	S37409

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-4F-S) East

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-006

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 2:22:56 PM	27672
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/22/2016 2:13:19 PM	M37409
Surr: BFB	103	70-130		%Rec	1	9/22/2016 2:13:19 PM	M37409
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/22/2016 1:32:45 PM	27651
Surr: DNOP	96.8	70-130		%Rec	1	9/22/2016 1:32:45 PM	27651
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.017		mg/Kg	1	9/22/2016 2:13:19 PM	S37409
Toluene	ND	0.034		mg/Kg	1	9/22/2016 2:13:19 PM	S37409
Ethylbenzene	ND	0.034		mg/Kg	1	9/22/2016 2:13:19 PM	S37409
Xylenes, Total	ND	0.068		mg/Kg	1	9/22/2016 2:13:19 PM	S37409
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	1	9/22/2016 2:13:19 PM	S37409
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	9/22/2016 2:13:19 PM	S37409
Surr: Dibromofluoromethane	107	70-130		%Rec	1	9/22/2016 2:13:19 PM	S37409
Surr: Toluene-d8	93.0	70-130		%Rec	1	9/22/2016 2:13:19 PM	S37409

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-4F-S) South

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-007

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 2:35:21 PM	27672
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2016 1:31:12 PM	27651
Surr: DNOP	95.0	70-130		%Rec	1	9/22/2016 1:31:12 PM	27651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/22/2016 11:38:41 AM	SG37405
Surr: BFB	82.4	68.3-144		%Rec	1	9/22/2016 11:38:41 AM	SG37405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	9/22/2016 11:38:41 AM	SB37405
Toluene	ND	0.034		mg/Kg	1	9/22/2016 11:38:41 AM	SB37405
Ethylbenzene	ND	0.034		mg/Kg	1	9/22/2016 11:38:41 AM	SB37405
Xylenes, Total	ND	0.068		mg/Kg	1	9/22/2016 11:38:41 AM	SB37405
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	1	9/22/2016 11:38:41 AM	SB37405

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-4F-S) West

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-008

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 2:47:46 PM	27672
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2016 1:09:18 PM	27651
Surr: DNOP	90.3	70-130		%Rec	1	9/22/2016 1:09:18 PM	27651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	9/22/2016 12:02:50 PM	SG37405
Surr: BFB	86.6	68.3-144		%Rec	1	9/22/2016 12:02:50 PM	SG37405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	9/22/2016 12:02:50 PM	SB37405
Toluene	ND	0.033		mg/Kg	1	9/22/2016 12:02:50 PM	SB37405
Ethylbenzene	ND	0.033		mg/Kg	1	9/22/2016 12:02:50 PM	SB37405
Xylenes, Total	ND	0.066		mg/Kg	1	9/22/2016 12:02:50 PM	SB37405
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	9/22/2016 12:02:50 PM	SB37405

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-6F-S) North

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-009

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 3:25:00 PM	27672
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/22/2016 12:47:19 PM	27651
Surr: DNOP	89.8	70-130		%Rec	1	9/22/2016 12:47:19 PM	27651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/22/2016 12:27:10 PM	SG37405
Surr: BFB	91.7	68.3-144		%Rec	1	9/22/2016 12:27:10 PM	SG37405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	9/22/2016 12:27:10 PM	SB37405
Toluene	ND	0.034		mg/Kg	1	9/22/2016 12:27:10 PM	SB37405
Ethylbenzene	ND	0.034		mg/Kg	1	9/22/2016 12:27:10 PM	SB37405
Xylenes, Total	ND	0.069		mg/Kg	1	9/22/2016 12:27:10 PM	SB37405
Surr: 4-Bromofluorobenzene	112	80-120		%Rec	1	9/22/2016 12:27:10 PM	SB37405

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

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
	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 1609C73

Date Reported: 9/23/2016

CLIENT: Agave Energy Company

Client Sample ID: (T-6F-S) East

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-010

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 3:37:24 PM	27672
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/22/2016 12:25:27 PM	27651
Surr: DNOP	92.4	70-130		%Rec	1	9/22/2016 12:25:27 PM	27651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	9/22/2016 12:51:30 PM	SG37405
Surr: BFB	85.4	68.3-144		%Rec	1	9/22/2016 12:51:30 PM	SG37405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/22/2016 12:51:30 PM	SB37405
Toluene	ND	0.035		mg/Kg	1	9/22/2016 12:51:30 PM	SB37405
Ethylbenzene	ND	0.035		mg/Kg	1	9/22/2016 12:51:30 PM	SB37405
Xylenes, Total	ND	0.070		mg/Kg	1	9/22/2016 12:51:30 PM	SB37405
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	9/22/2016 12:51:30 PM	SB37405

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-6F-S) South

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-011

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 3:49:49 PM	27672
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/22/2016 12:03:22 PM	27651
Surr: DNOP	91.9	70-130		%Rec	1	9/22/2016 12:03:22 PM	27651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	9/22/2016 1:15:47 PM	SG37405
Surr: BFB	91.6	68.3-144		%Rec	1	9/22/2016 1:15:47 PM	SG37405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/22/2016 1:15:47 PM	SB37405
Toluene	ND	0.036		mg/Kg	1	9/22/2016 1:15:47 PM	SB37405
Ethylbenzene	ND	0.036		mg/Kg	1	9/22/2016 1:15:47 PM	SB37405
Xylenes, Total	ND	0.072		mg/Kg	1	9/22/2016 1:15:47 PM	SB37405
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	9/22/2016 1:15:47 PM	SB37405

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

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
	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 **1609C73**

Date Reported: **9/23/2016**

CLIENT: Agave Energy Company

Client Sample ID: (T-6F-S) West

Project: Campbell Road Leak

Collection Date: 9/20/2016 11:00:00 AM

Lab ID: 1609C73-012

Matrix: MEOH (SOIL)

Received Date: 9/22/2016 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	9/22/2016 4:02:13 PM	27672
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/22/2016 11:41:28 AM	27651
Surr: DNOP	90.9	70-130		%Rec	1	9/22/2016 11:41:28 AM	27651
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	9/22/2016 1:40:05 PM	SG37405
Surr: BFB	89.2	68.3-144		%Rec	1	9/22/2016 1:40:05 PM	SG37405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/22/2016 1:40:05 PM	SB37405
Toluene	ND	0.035		mg/Kg	1	9/22/2016 1:40:05 PM	SB37405
Ethylbenzene	ND	0.035		mg/Kg	1	9/22/2016 1:40:05 PM	SB37405
Xylenes, Total	ND	0.071		mg/Kg	1	9/22/2016 1:40:05 PM	SB37405
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	9/22/2016 1:40:05 PM	SB37405

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

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
	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#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID	MB-27672		SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	27672		RunNo:	37430				
Prep Date:	9/23/2016		Analysis Date:	9/22/2016		SeqNo:	1163444		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-27672		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 27672		RunNo: 37430					
Prep Date:	9/23/2016		Analysis Date: 9/22/2016		SeqNo: 1163445		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	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
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#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID	LCS-27651		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 27651		RunNo: 37383					
Prep Date:	9/22/2016		Analysis Date: 9/22/2016		SeqNo: 1161862		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	93.1	62.6	124			
Surr: DNOP	4.2		5.000		84.8	70	130			

Sample ID	MB-27651		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	27651		RunNo:	37383				
Prep Date:	9/22/2016		Analysis Date:	9/22/2016		SeqNo:	1161863		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	9.2		10.00		92.3	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#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	SG37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162858	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	860		1000		85.7	68.3	144			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	SG37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162859	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	74.6	123			
Surr: BFB	960		1000		96.0	68.3	144			

Sample ID	1609C73-007AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	(T-4F-S) South	Batch ID:	SG37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162860	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.4	17.02	0	95.8	59.3	143			
Surr: BFB	630		680.7		92.6	68.3	144			

Sample ID	1609C73-007AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	(T-4F-S) South	Batch ID:	SG37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162861	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.4	17.02	0	99.1	59.3	143	3.37	20	
Surr: BFB	640		680.7		93.9	68.3	144	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	SB37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162876	Units:	mg/Kg			
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		100	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	SB37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162877	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	75.3	123			
Toluene	1.1	0.050	1.000	0	108	80	124			
Ethylbenzene	1.0	0.050	1.000	0	100	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	98.3	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Sample ID	1609C73-008AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	(T-4F-S) West	Batch ID:	SB37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162878	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.66	0.016	0.6592	0	100	71.5	122			
Toluene	0.65	0.033	0.6592	0	98.4	71.2	123			
Ethylbenzene	0.63	0.033	0.6592	0	96.1	75.2	130			
Xylenes, Total	1.8	0.066	1.978	0.01430	92.1	72.4	131			
Surr: 4-Bromofluorobenzene	0.70		0.6592		107	80	120			

Sample ID	1609C73-008AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	(T-4F-S) West	Batch ID:	SB37405	RunNo:	37405					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162879	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.63	0.016	0.6592	0	95.2	71.5	122	5.36	20	
Toluene	0.61	0.033	0.6592	0	92.4	71.2	123	6.30	20	
Ethylbenzene	0.60	0.033	0.6592	0	91.3	75.2	130	5.12	20	
Xylenes, Total	1.8	0.066	1.978	0.01430	90.5	72.4	131	1.71	20	
Surr: 4-Bromofluorobenzene	0.69		0.6592		105	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID 100ng lcs	SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: LCSS	Batch ID: S37409		RunNo: 37409							
Prep Date:	Analysis Date: 9/22/2016		SeqNo: 1162571		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	70	130			
Toluene	0.96	0.050	1.000	0	95.8	70	130			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.4	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		97.7	70	130			
Surr: Toluene-d8	0.49		0.5000		97.5	70	130			

Sample ID rb	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: S37409		RunNo: 37409							
Prep Date:	Analysis Date: 9/22/2016		SeqNo: 1162572		Units: mg/Kg					
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: 1,2-Dichloroethane-d4	0.49		0.5000		97.1	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.9	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.6	70	130			
Surr: Toluene-d8	0.48		0.5000		95.2	70	130			

Sample ID 1609C73-001AMS	SampType: MS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: (T-3M-N) North	Batch ID: R37409		RunNo: 37409							
Prep Date:	Analysis Date: 9/22/2016		SeqNo: 1162886		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.34		0.3439		97.7	70	130			
Surr: 4-Bromofluorobenzene	0.32		0.3439		92.7	70	130			
Surr: Dibromofluoromethane	0.37		0.3439		107	70	130			
Surr: Toluene-d8	0.33		0.3439		95.6	70	130			

Sample ID 1609c73-001amsd	SampType: MSD		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: (T-3M-N) North	Batch ID: S37409		RunNo: 37409							
Prep Date:	Analysis Date: 9/22/2016		SeqNo: 1162906		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.70	0.017	0.6878	0	102	49.2	155	1.60	20	
Toluene	0.59	0.034	0.6878	0	86.2	52	154	9.14	20	
Surr: 1,2-Dichloroethane-d4	0.36		0.3439		106	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.32		0.3439		93.3	70	130	0	0	

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
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#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID	1609c73-001amsd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	(T-3M-N) North	Batch ID:	S37409	RunNo:	37409					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162906	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	0.38		0.3439		111	70	130	0	0	
Surr: Toluene-d8	0.32		0.3439		92.6	70	130	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C73

23-Sep-16

Client: Agave Energy Company

Project: Campbell Road Leak

Sample ID	2.5ug gro lcs	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	M37409	RunNo:	37409					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162579	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	91.2	62.9	123			
Surr: BFB	490		500.0		98.2	70	130			

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	M37409	RunNo:	37409					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162580	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	500		500.0		99.4	70	130			

Sample ID	1609C73-001AMS	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	(T-3M-N) North	Batch ID:	M37409	RunNo:	37409					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162884	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	15	3.4	17.20	0	89.9	52.3	132			
Surr: BFB	350		343.9		103	70	130			

Sample ID	1609C73-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	(T-3M-N) North	Batch ID:	M37409	RunNo:	37409					
Prep Date:		Analysis Date:	9/22/2016	SeqNo:	1162885	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	3.4	17.20	0	90.6	52.3	132	0.842	20	
Surr: BFB	370		343.9		109	70	130	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

Sample Log-In Check List

Client Name: **AGAVE ENERGY COMP**

Work Order Number: 1609C73

RcptNo: 1

Received by/date:

Logged By:

Lindsay Mangin

9/22/2016 10:10:00 AM

Completed By:

Lindsay Mangin

9/22/2016 10:27:56 AM

Reviewed By:

At 09/22/16

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° 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: ☐ eMail ☐ Phone ☐ Fax ☐ 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	3.1	Good	Yes			

