1RP 4370

NMOCD APPROVED Workplan

AGAVE ENERGY COMPANY

Agave Energy Company

Grace Line Release

Sec 20, T22S – R 32E

Lea County, New Mexico

September 13, 2016

Location

The location of the pipeline release is approximately 4 miles east of County Road 798, Red Road, in the SW/NE Sec 20, T22S, R32E.

Introduction

On July 16, 2016 a rupture and subsequent release along an 8" poly line was reported to Agave. Agave personnel immediately responded to shut-in the line. The line is a low-pressure gas gathering line. The apparent cause of the leak cannot be definitively identified. We suspect, based on inspection of the pipe, that it may have been gouged during installation. This caused a weak spot in the pipe, and being uncovered by the shifting sand dunes, the pipe ruptured due to high line pressure over the weekend.

Along with the release of gas, was a minor amount of hydrocarbon liquids (approximately 5-10 bbls). These liquids were carried by the wind and covered an area approximately 450 ft. by 200 ft. at its greatest extent. There was no evidence of any release of produced water or chlorides. Soil sampling will be conducted to determine if chlorides were released.

The release occurred on BLM land, and notifications to the Carlsbad Field Office have been made. On Thursday 7/21/16 a BLM representative accompanied Agave personnel to the location to document the release and make recommendations/requirements regarding the remediation of contamination.

Site Ranking

Based on the *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, August 13, 1993), hereafter referred to as "the Guidelines", the site ranking criteria are as follows.

Depth to Ground Water: The nearest Depth to Groundwater record (C-02096) listed on the New Mexico Office of the State Engineer (Sec 14, T22S-R32E) shows depth of groundwater to be approximately 360 feet. Average depth to groundwater in this Township is reported as 350 feet. Exhibiting a depth to groundwater of greater than 100 feet, results in a ranking score of 0.

Wellhead Protection Area: The nearest water source to the station C-02096 used for livestock watering, located 2.97 miles to the northeast of the site. According to the *Guidelines,* not being within 1000 feet of a water source results in a site ranking of 0.

Distance to Surface Water Body: The nearest surface water body is the Salt Lakes east of Carlsbad, located 13 miles to the west, or the Pecos River, located 21 miles to the west, resulting in a site ranking of 0.

Total Site Ranking:

Depth to Ground water	0
Wellhead Protection Area	0
Distance to Surface Water Body	0
Total:	0

Recommended Remediation Action Level

According to the *Guidelines*, a location with a site ranking of 0 is subject to the following Recommended Remediation Action Level (RRAL).

Benzene	10 ppm
BTEX	50 ppm
TPH	5000 ppm

There are no standards set for chloride contamination set within the *Guidelines*. In consulting with the BLM representative, a Mr. Randy Pair, upon the remediation of this location, he informed Agave that the BLM has set an action level for chlorides at 1000ppm. This will be the target concentration Agave will work towards in remediation of any chloride contamination.

Proposed Remediation Work (Revised)

Originally Proposed Remediation Plan

Due to the fact that most of the released liquids were blown over a large area, and didn't pool up and penetrate the soil to a substantial depth, Agave is proposing to remediate the contamination in place. This would be done by applying MicroBlaze or an equivalent product to the area affected by the overspray of hydrocarbon liquids. After this application, the vegetation most heavily contaminated would be mulched, brush-hogged, or otherwise mowed to encourage aeration and ultimate degradation of the hydrocarbon contamination. Agave and the BLM are in agreement that leaving as much vegetation in place as is possible would be preferable to excavating and disposing of soil. If we are forced to remove portions of the vegetation above ground by mulching, leaving the root structures in tact until new vegetation can grow, would result in the least amount of damage to the area as a whole.

Unless chlorides are shown to be present in levels exceeding the accepted action levels, excavation may be an unnecessary strategy for remediation. The ground water in this area is found at 300 feet and greater depths. The relatively minor amount of liquid released to the soil poses no threat to the groundwater. Additionally, the nearest freshwater body is over 20 miles away, and is not at risk of being contaminated. Overall, the potential harm posed to the environment by this release, is relatively minimal. If soil sampling shows contamination to have reached lower depths, the affected soil can be tilled and turned over on site, as necessary, to aerate the soil. Doing this in conjunction with additional applications of MicroBlaze should be able to ameliorate the level of contamination in place.

Closure samples will be collected after the onsite remediation has been conducted, and given enough time to affect the hydrocarbons present.

Revised Remediation Plan (9/13/16)

An initial round of thorough sampling was conducted at the site in early August. The results revealed no detectable BTEX at any of the sample locations. Additionally, TPH levels were well below the RRAL for all sample locations. The sample results showed chlorides to exceed the 1000 ppm action level (set by the BLM) in four of the sample locations. These locations and their chloride concentrations were as follows: 3A (9000 ppm), 3B (1100 ppm), 11A (1600 ppm), and 5A (5100). Where detected the chloride contamination was very shallow, levels were observed to fall below the RRAL before 1' of depth.

In the weeks following the round of soil sampling the area experienced heavy precipitation events (approximately 8" or more). This precipitation has had the effect of washing some of the contamination off of the leaves of vegetation, which will accelerate degradation of the hydrocarbons by soil microbes, as well as lessening the overall effects of the overspray on vegetation. Additionally, the precipitation has helped to disperse the remaining shallow chloride concentrations, in those areas where they were shown to be above the RRAL. Agave believes that the dispersion of the chloride contamination was sufficient to lower the levels at those hotspots into the acceptable range.

Rather than proceeding with any excavation or soil disturbance, Agave is proposing a second round of sampling localized at the areas previously identified as having higher than acceptable chloride concentrations to determine the effect of the precipitation, and the remaining concentrations. If chloride concentrations in these areas has been reduced to sufficient levels Agave proposes to take no action to excavate or further disturb the soil. Rather we will continue with our plan to apply soil nutrient/amendment (MicroBlaze or its equivalent) to speed the degradation of any remaining hydrocarbons.

Unless the NMOCD District I office disagrees with this remediation strategy, or has additional stipulations, Agave will proceed upon receiving final approval from the BLM.

Please direct any questions or concerns regarding this remediation plan to Kerry Egan at (575) 513-8988 or Kegan@agaveenergy.com

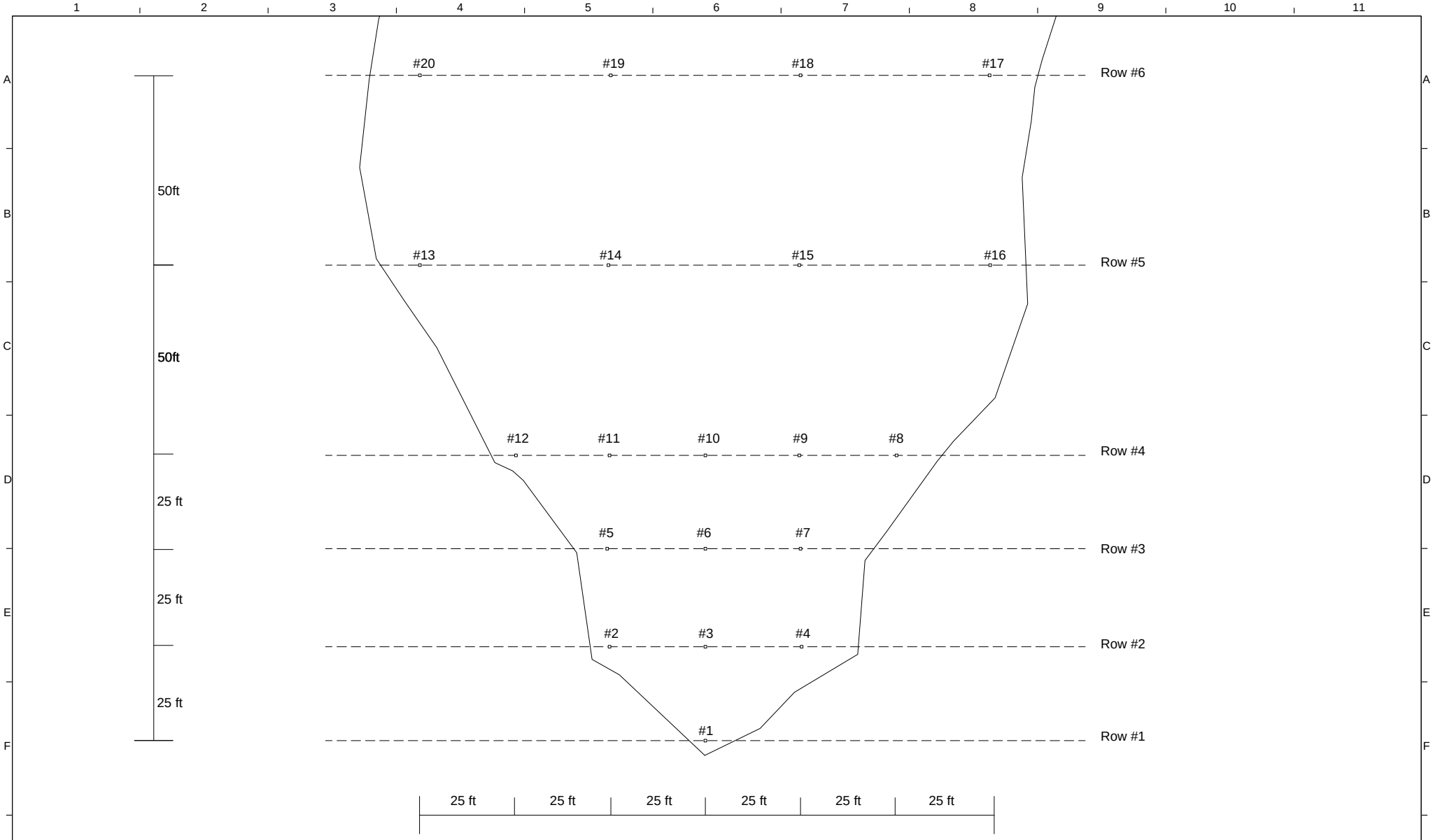
Sampling Summary for Grace Well Leak

Analytical Report 1608654	Field ID	Sample Date	Depth	BTEX	GRO	DRO	Cl-	GPS Coordinates	Comments
1608654-001	1A	8/5/2016	Surface	ND	ND	1300	340	32.37915, -103.69669	Collected at the point of line rupture.
1608654-002	1B	8/5/2016	1'	ND	ND	260	250	32.37915, -103.69669	Collected at the point of line rupture.
1608654-003	1C	8/5/2016	2'	ND	ND	ND	61	32.37915, -103.69669	Collected at the point of line rupture.
1608654-004	1D	8/5/2016	3'	ND	ND	ND	41	32.37915, -103.69669	Collected at the point of line rupture.
1608654-005	2A	8/5/2016	Surface	ND	ND	ND	660	32.37922, -103.69678	Collected at the West edge of contaminated area along the second sample row.
1608654-006	2B	8/5/2016	1'	ND	ND	ND	89	32.37922, -103.69678	Collected at the West edge of contaminated area along the second sample row.
1608654-007	2C	8/5/2016	2'	ND	ND	ND	34	32.37922, -103.69678	Collected at the West edge of contaminated area along the second sample row.
1608654-008	3A	8/5/2016	Surface	ND	ND	1100	9000	32.37920, -103.69669	Collected in the center of the contaminated area along the second sample row.
1608654-009	3B	8/5/2016	1'	ND	ND	ND	1100	32.37920, -103.69669	Collected in the center of the contaminated area along the second sample row.
1608654-010	3C	8/5/2016	2'	ND	ND	ND	690	32.37920, -103.69669	Collected in the center of the contaminated area along the second sample row.
1608654-011	4A	8/5/2016	Surface	ND	ND	140	670	32.37921, -103.69663	Collected at the east edge of the contaminated area along the second sample row.
1608654-012	4B	8/5/2016	1'	ND	ND	ND	ND	32.37921, -103.69663	Collected at the east edge of the contaminated area along the second sample row.
1608654-013	4C	8/5/2016	2'	ND	ND	ND	ND	32.37921, -103.69663	Collected at the east edge of the contaminated area along the second sample row.
1608654-014	5A	8/5/2016	Surface	ND	ND	730	5100	32.37927, -103.69676	Collected at the West edge of contaminated area along the third sample row.

1608654-015	5B	8/5/2016	1'	ND	ND	ND	65	32.37927, -103.69676	Collected at the West edge of contaminated area along the third sample row.
1608654-016	5C	8/5/2016	2'	ND	ND	ND	ND	32.37927, -103.69676	Collected at the West edge of contaminated area along the third sample row.
1608654-017	6A	8/5/2016	Surface	ND	ND	120	940	32.37929, -103.696693	Collected in the center of the contaminated area along the third sample row.
1608654-018	6B	8/5/2016	1'	ND	ND	63	110	32.37929, -103.696693	Collected in the center of the contaminated area along the third sample row.
1608654-019	6C	8/5/2016	2'	ND	ND	200	390	32.37929, -103.696693	Collected in the center of the contaminated area along the third sample row.
1608654-020	7A	8/5/2016	Surface	ND	ND	ND	ND	32.37927, -103.69661	Collected at the east edge of the contaminated area along the third sample row.
1608654-021	7B	8/5/2016	1'	ND	ND	ND	ND	32.37927, -103.69661	Collected along the fourth sample row.
1608654-022	7C	8/5/2016	2'	ND	ND	ND	ND	32.37927, -103.69661	Collected along the fourth sample row.
1608654-023	8A	8/5/2016	Surface	ND	ND	910	340	32.37934, -103.69659	Collected along the fourth sample row.
1608654-024	8B	8/5/2016	1'	ND	ND	ND	100	32.37934, -103.69659	Collected along the fourth sample row.
1608654-025	8C	8/5/2016	2'	ND	ND	17	130	32.37934, -103.69659	Collected along the fourth sample row.
1608654-026	9A	8/5/2016	Surface	ND	ND	270	640	32.37935, -103.69666	Collected along the fourth sample row.
1608654-027	9B	8/5/2016	1'	ND	ND	ND	210	32.37935, -103.69666	Collected along the fourth sample row.
1608654-028	9C	8/5/2016	2'	ND	ND	ND	150	32.37935, -103.69666	Collected along the fourth sample row.
1608654-029	10A	8/5/2016	Surface	ND	ND	210	690	32.37935, -103.69673	Collected along the fourth sample row.
1608654-030	10B	8/5/2016	1'	ND	ND	ND	120	32.37935, -103.69673	Collected along the fourth sample row.

1608654-031	10C	8/5/2016	2'	ND	ND	ND	180	32.37935, -103.69673	Collected along the fourth sample row.
1608654-032	11A	8/5/2016	Surface	ND	ND	330	1600	32.37937, -103.69681	Collected along the fourth sample row.
1608654-033	11B	8/5/2016	1'	ND	ND	ND	150	32.37937, -103.69681	Collected along the fourth sample row.
1608654-034	11C	8/5/2016	2'	ND	ND	ND	89	32.37937, -103.69681	Collected along the fourth sample row.
1608654-035	12A	8/5/2016	Surface	ND	ND	64	90	32.37936, -103.69689	Collected along the fourth sample row.
1608654-036	12B	8/5/2016	1'	ND	ND	ND	71	32.37936, -103.69689	Collected along the fourth sample row.
1608654-037	12C	8/5/2016	2'	ND	ND	ND	100	32.37936, -103.69689	Collected along the fourth sample row.
1608654-038	13A	8/5/2016	Surface	ND	ND	39	38	32.37949, -103.69695	Collected along the fifth sample row.
1608654-039	13B	8/5/2016	1'	ND	ND	ND	79	32.37949, -103.69695	Collected along the fifth sample row.
1608654-040	13C	8/5/2016	2'	ND	ND	ND	200	32.37949, -103.69695	Collected along the fifth sample row.
1608654-041	14A	8/5/2016	Surface	ND	ND	1100	71	32.37951, -103.69678	Collected along the fifth sample row.
1608654-042	14B	8/5/2016	1'	ND	ND	ND	190	32.37951, -103.69678	Collected along the fifth sample row.
1608654-043	14C	8/5/2016	2'	ND	ND	ND	ND	32.37951, -103.69678	Collected along the fifth sample row.
1608654-044	15A	8/5/2016	Surface	ND	ND	21	71	32.37952, -103.69660	Collected along the fifth sample row.
1608654-045	15B	8/5/2016	1'	ND	ND	ND	350	32.37952, -103.69660	Collected along the fifth sample row.
1608654-046	15C	8/5/2016	2'	ND	ND	ND	150	32.37952, -103.69660	Collected along the fifth sample row.
1608654-047	16A	8/5/2016	Surface	ND	ND	ND	ND	32.37953, -103.69643	Collected along the fifth sample row.

1608654-048	16B	8/5/2016	1'	ND	ND	ND	34	32.37953, -103.69643	Collected along the fifth sample row.
1608654-049	16C	8/6/2016	2'	ND	ND	ND	110	32.37953, -103.69643	Collected along the fifth sample row.
1608654-049	17A	8/5/2016	Surface	ND	ND	ND	ND	32.37968, -103.69645	Collected along the sixth sample row.
1608654-050	17B	8/5/2016	1'	ND	ND	ND	84	32.37968, -103.69645	Collected along the sixth sample row.
1608654-051	18A	8/5/2016	Surface	ND	ND	ND	110	32.37971, -103.69662	Collected along the sixth sample row.
1608654-052	18B	8/5/2016	1'	ND	ND	ND	89	32.37971, -103.69662	Collected along the sixth sample row.
1608654-053	19A	8/5/2016	Surface	ND	ND	ND	47	32.37973, -103.69680	Collected along the sixth sample row.
1608654-054	19B	8/5/2016	1'	ND	ND	ND	170	32.37973, -103.69680	Collected along the sixth sample row.
1608654-055	20A	8/5/2016	Surface	ND	ND	ND	ND	32.379711, -103.69636	Collected along the sixth sample row.
1608654-056	20B	8/5/2016	1'	ND	ND	ND	57	32.379711, -103.69636	Collected along the sixth sample row.



REFERENCE DRAWINGS	SPECIAL NOTES	REVISIONS					DRAWN BY: KE		AGAVE ENERGY COMPANY
	1. INSTRUMENT LETTER DESIGNATIONS PER ANSI/ISA-5S.1 (LATEST EDITION) 2. FOR BLOCK VALVES - USE BALL OR GATE VALVES UP TO 275°F DESIGN TEMPERATURES AND GATE VALVES FOR HIGHER DESIGN TEMPERATURES. 3. ALL DRAIN PIPING TO BE FREE DRAINING. 4. ALL PIPING TO PSV's TO BE FREE DRAINING. 5. PROVIDE VENTS WITH 0.5" VALVES ON ALL HIGH POINTS, AND DRAINS WITH 0.75" VALVES ON ALL LOW POINTS.	REV.	DATE	BY	DESCRIPTION	APP'D.	CHECKED BY:	THIS DRAWING IS THE PROPERTY OF AGAVE ENERGY COMPANY AND SHALL NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY INTENDED	Grace Well Leak Sampling Diagram
							APPROVAL:		
							APPROVAL: N/A		
							DATE:		
							SCALE: N.T.S.		LIVINGSTON RIDGE SYSTEM LEA COUNTY
									JOB # DWG # REV 1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

August 18, 2016

Kerry Egan

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

RE: Grace Well Leak OrderNo.: 1608654

Dear Kerry Egan:

Hall Environmental Analysis Laboratory received 57 sample(s) on 8/10/2016 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 qualifers 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,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Agave Energy Company
Client Sample ID: 1A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-001 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	340	30		mg/Kg	20	8/12/2016 2:38:42 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1300	96		mg/Kg	10	8/15/2016 4:55:41 PM	26947
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 4:55:41 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/14/2016 4:03:12 PM	26929
Surr: BFB	79.9	68.3-144		%Rec	1	8/14/2016 4:03:12 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/14/2016 4:03:12 PM	26929
Toluene	ND	0.046		mg/Kg	1	8/14/2016 4:03:12 PM	26929
Ethylbenzene	ND	0.046		mg/Kg	1	8/14/2016 4:03:12 PM	26929
Xylenes, Total	ND	0.092		mg/Kg	1	8/14/2016 4:03:12 PM	26929
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/14/2016 4:03:12 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 1B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-002
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	250	30		mg/Kg	20	8/12/2016 3:15:55 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	260	10		mg/Kg	1	8/15/2016 6:03:34 PM	26947
Surr: DNOP	90.8	70-130		%Rec	1	8/15/2016 6:03:34 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 5:16:58 PM	26929
Surr: BFB	84.0	68.3-144		%Rec	1	8/14/2016 5:16:58 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 5:16:58 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 5:16:58 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 5:16:58 PM	26929
Xylenes, Total	ND	0.097		mg/Kg	1	8/14/2016 5:16:58 PM	26929
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	8/14/2016 5:16:58 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 1C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-003
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	61	30		mg/Kg	20	8/12/2016 3:28:20 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/15/2016 6:25:34 PM	26947
Surr: DNOP	92.9	70-130		%Rec	1	8/15/2016 6:25:34 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/14/2016 6:30:49 PM	26929
Surr: BFB	77.9	68.3-144		%Rec	1	8/14/2016 6:30:49 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/14/2016 6:30:49 PM	26929
Toluene	ND	0.050		mg/Kg	1	8/14/2016 6:30:49 PM	26929
Ethylbenzene	ND	0.050		mg/Kg	1	8/14/2016 6:30:49 PM	26929
Xylenes, Total	ND	0.10		mg/Kg	1	8/14/2016 6:30:49 PM	26929
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/14/2016 6:30:49 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 1D
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-004
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	41	30		mg/Kg	20	8/12/2016 3:40:45 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 6:47:39 PM	26947
Surr: DNOP	85.0	70-130		%Rec	1	8/15/2016 6:47:39 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 6:55:22 PM	26929
Surr: BFB	79.2	68.3-144		%Rec	1	8/14/2016 6:55:22 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 6:55:22 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 6:55:22 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 6:55:22 PM	26929
Xylenes, Total	ND	0.097		mg/Kg	1	8/14/2016 6:55:22 PM	26929
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/14/2016 6:55:22 PM	26929

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
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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.

CLIENT: Agave Energy Company
Client Sample ID: 2A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-005 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	660	30		mg/Kg	20	8/12/2016 3:53:10 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/15/2016 7:09:31 PM	26947
Surr: DNOP	106	70-130		%Rec	1	8/15/2016 7:09:31 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 7:19:57 PM	26929
Surr: BFB	77.9	68.3-144		%Rec	1	8/14/2016 7:19:57 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 7:19:57 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 7:19:57 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 7:19:57 PM	26929
Xylenes, Total	ND	0.097		mg/Kg	1	8/14/2016 7:19:57 PM	26929
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/14/2016 7:19:57 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 2B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-006
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	89	30		mg/Kg	20	8/12/2016 4:30:24 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/15/2016 7:31:33 PM	26947
Surr: DNOP	84.5	70-130		%Rec	1	8/15/2016 7:31:33 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 7:44:22 PM	26929
Surr: BFB	79.8	68.3-144		%Rec	1	8/14/2016 7:44:22 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 7:44:22 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 7:44:22 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 7:44:22 PM	26929
Xylenes, Total	ND	0.096		mg/Kg	1	8/14/2016 7:44:22 PM	26929
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	8/14/2016 7:44:22 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 2C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-007
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	34	30		mg/Kg	20	8/12/2016 4:42:48 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/15/2016 7:53:26 PM	26947
Surr: DNOP	94.2	70-130		%Rec	1	8/15/2016 7:53:26 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/14/2016 8:08:51 PM	26929
Surr: BFB	77.9	68.3-144		%Rec	1	8/14/2016 8:08:51 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/14/2016 8:08:51 PM	26929
Toluene	ND	0.049		mg/Kg	1	8/14/2016 8:08:51 PM	26929
Ethylbenzene	ND	0.049		mg/Kg	1	8/14/2016 8:08:51 PM	26929
Xylenes, Total	ND	0.098		mg/Kg	1	8/14/2016 8:08:51 PM	26929
Surr: 4-Bromofluorobenzene	99.3	80-120		%Rec	1	8/14/2016 8:08:51 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 3A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-008 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	9000	750		mg/Kg	500	8/15/2016 6:54:07 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	8/15/2016 8:15:29 PM	26947
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 8:15:29 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 8:33:32 PM	26929
Surr: BFB	77.1	68.3-144		%Rec	1	8/14/2016 8:33:32 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 8:33:32 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 8:33:32 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 8:33:32 PM	26929
Xylenes, Total	ND	0.095		mg/Kg	1	8/14/2016 8:33:32 PM	26929
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	8/14/2016 8:33:32 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 3B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-009
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1100	30		mg/Kg	20	8/12/2016 5:07:37 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 8:37:20 PM	26947
Surr: DNOP	96.7	70-130		%Rec	1	8/15/2016 8:37:20 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 8:58:10 PM	26929
Surr: BFB	79.4	68.3-144		%Rec	1	8/14/2016 8:58:10 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 8:58:10 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 8:58:10 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 8:58:10 PM	26929
Xylenes, Total	ND	0.097		mg/Kg	1	8/14/2016 8:58:10 PM	26929
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/14/2016 8:58:10 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 3C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-010
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	690	30		mg/Kg	20	8/12/2016 5:20:02 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 8:59:17 PM	26947
Surr: DNOP	86.0	70-130		%Rec	1	8/15/2016 8:59:17 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/14/2016 9:22:40 PM	26929
Surr: BFB	80.0	68.3-144		%Rec	1	8/14/2016 9:22:40 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/14/2016 9:22:40 PM	26929
Toluene	ND	0.046		mg/Kg	1	8/14/2016 9:22:40 PM	26929
Ethylbenzene	ND	0.046		mg/Kg	1	8/14/2016 9:22:40 PM	26929
Xylenes, Total	ND	0.092		mg/Kg	1	8/14/2016 9:22:40 PM	26929
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/14/2016 9:22:40 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 4A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-011
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	670	30		mg/Kg	20	8/12/2016 5:32:27 PM	26964
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	140	9.2		mg/Kg	1	8/15/2016 9:21:06 PM	26947
Surr: DNOP	106	70-130		%Rec	1	8/15/2016 9:21:06 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 11:25:18 PM	26929
Surr: BFB	75.8	68.3-144		%Rec	1	8/14/2016 11:25:18 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 11:25:18 PM	26929
Toluene	ND	0.048		mg/Kg	1	8/14/2016 11:25:18 PM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 11:25:18 PM	26929
Xylenes, Total	ND	0.095		mg/Kg	1	8/14/2016 11:25:18 PM	26929
Surr: 4-Bromofluorobenzene	98.8	80-120		%Rec	1	8/14/2016 11:25:18 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 4B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-012
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	8/12/2016 6:09:41 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 10:04:54 PM	26947
Surr: DNOP	93.6	70-130		%Rec	1	8/15/2016 10:04:54 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/14/2016 11:49:44 PM	26929
Surr: BFB	77.6	68.3-144		%Rec	1	8/14/2016 11:49:44 PM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 11:49:44 PM	26929
Toluene	ND	0.049		mg/Kg	1	8/14/2016 11:49:44 PM	26929
Ethylbenzene	ND	0.049		mg/Kg	1	8/14/2016 11:49:44 PM	26929
Xylenes, Total	ND	0.097		mg/Kg	1	8/14/2016 11:49:44 PM	26929
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/14/2016 11:49:44 PM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 4C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-013
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	8/12/2016 6:22:05 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/15/2016 10:26:46 PM	26947
Surr: DNOP	83.1	70-130		%Rec	1	8/15/2016 10:26:46 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2016 12:14:18 AM	26929
Surr: BFB	75.7	68.3-144		%Rec	1	8/15/2016 12:14:18 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/15/2016 12:14:18 AM	26929
Toluene	ND	0.049		mg/Kg	1	8/15/2016 12:14:18 AM	26929
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2016 12:14:18 AM	26929
Xylenes, Total	ND	0.098		mg/Kg	1	8/15/2016 12:14:18 AM	26929
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	8/15/2016 12:14:18 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 5A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-014
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5100	300		mg/Kg	200	8/15/2016 7:06:32 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	730	97		mg/Kg	10	8/15/2016 10:48:35 PM	26947
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 10:48:35 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2016 12:38:51 AM	26929
Surr: BFB	80.0	68.3-144		%Rec	1	8/15/2016 12:38:51 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/15/2016 12:38:51 AM	26929
Toluene	ND	0.048		mg/Kg	1	8/15/2016 12:38:51 AM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2016 12:38:51 AM	26929
Xylenes, Total	ND	0.095		mg/Kg	1	8/15/2016 12:38:51 AM	26929
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	8/15/2016 12:38:51 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 5B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-015
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	65	30		mg/Kg	20	8/12/2016 8:01:23 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/15/2016 11:10:34 PM	26947
Surr: DNOP	93.5	70-130		%Rec	1	8/15/2016 11:10:34 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/15/2016 1:03:26 AM	26929
Surr: BFB	85.1	68.3-144		%Rec	1	8/15/2016 1:03:26 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/15/2016 1:03:26 AM	26929
Toluene	ND	0.046		mg/Kg	1	8/15/2016 1:03:26 AM	26929
Ethylbenzene	ND	0.046		mg/Kg	1	8/15/2016 1:03:26 AM	26929
Xylenes, Total	ND	0.093		mg/Kg	1	8/15/2016 1:03:26 AM	26929
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	8/15/2016 1:03:26 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 5C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-016
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	8/12/2016 8:13:48 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/15/2016 11:32:26 PM	26947
Surr: DNOP	85.6	70-130		%Rec	1	8/15/2016 11:32:26 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2016 1:28:04 AM	26929
Surr: BFB	82.0	68.3-144		%Rec	1	8/15/2016 1:28:04 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/15/2016 1:28:04 AM	26929
Toluene	ND	0.048		mg/Kg	1	8/15/2016 1:28:04 AM	26929
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2016 1:28:04 AM	26929
Xylenes, Total	ND	0.097		mg/Kg	1	8/15/2016 1:28:04 AM	26929
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	8/15/2016 1:28:04 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 6A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-017 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	940	30		mg/Kg	20	8/12/2016 8:26:13 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	120	9.7		mg/Kg	1	8/15/2016 11:54:20 PM	26947
Surr: DNOP	101	70-130		%Rec	1	8/15/2016 11:54:20 PM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/15/2016 1:52:44 AM	26929
Surr: BFB	74.7	68.3-144		%Rec	1	8/15/2016 1:52:44 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/15/2016 1:52:44 AM	26929
Toluene	ND	0.050		mg/Kg	1	8/15/2016 1:52:44 AM	26929
Ethylbenzene	ND	0.050		mg/Kg	1	8/15/2016 1:52:44 AM	26929
Xylenes, Total	ND	0.10		mg/Kg	1	8/15/2016 1:52:44 AM	26929
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	8/15/2016 1:52:44 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 6B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-018
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	110	30		mg/Kg	20	8/12/2016 8:38:38 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	63	9.2		mg/Kg	1	8/16/2016 12:38:08 AM	26947
Surr: DNOP	89.3	70-130		%Rec	1	8/16/2016 12:38:08 AM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	9.5		mg/Kg	2	8/15/2016 2:17:22 AM	26929
Surr: BFB	82.6	68.3-144		%Rec	2	8/15/2016 2:17:22 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.048		mg/Kg	2	8/15/2016 2:17:22 AM	26929
Toluene	ND	0.095		mg/Kg	2	8/15/2016 2:17:22 AM	26929
Ethylbenzene	ND	0.095		mg/Kg	2	8/15/2016 2:17:22 AM	26929
Xylenes, Total	ND	0.19		mg/Kg	2	8/15/2016 2:17:22 AM	26929
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	2	8/15/2016 2:17:22 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 6C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-019
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	390	30		mg/Kg	20	8/12/2016 8:51:02 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	200	9.8		mg/Kg	1	8/16/2016 1:21:49 AM	26947
Surr: DNOP	91.1	70-130		%Rec	1	8/16/2016 1:21:49 AM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	8/15/2016 2:41:50 AM	26929
Surr: BFB	82.4	68.3-144		%Rec	5	8/15/2016 2:41:50 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.12		mg/Kg	5	8/15/2016 2:41:50 AM	26929
Toluene	ND	0.24		mg/Kg	5	8/15/2016 2:41:50 AM	26929
Ethylbenzene	ND	0.24		mg/Kg	5	8/15/2016 2:41:50 AM	26929
Xylenes, Total	ND	0.48		mg/Kg	5	8/15/2016 2:41:50 AM	26929
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	5	8/15/2016 2:41:50 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 7A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-020 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	8/12/2016 9:28:16 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/16/2016 2:05:34 AM	26947
Surr: DNOP	101	70-130		%Rec	1	8/16/2016 2:05:34 AM	26947
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2016 3:06:14 AM	26929
Surr: BFB	80.8	68.3-144		%Rec	1	8/15/2016 3:06:14 AM	26929
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/15/2016 3:06:14 AM	26929
Toluene	ND	0.049		mg/Kg	1	8/15/2016 3:06:14 AM	26929
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2016 3:06:14 AM	26929
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2016 3:06:14 AM	26929
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/15/2016 3:06:14 AM	26929

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.

CLIENT: Agave Energy Company
Client Sample ID: 7B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-021
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	8/12/2016 9:40:41 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 2:26:00 PM	26948
Surr: DNOP	90.4	70-130		%Rec	1	8/15/2016 2:26:00 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2016 3:55:21 PM	26930
Surr: BFB	79.4	68.3-144		%Rec	1	8/13/2016 3:55:21 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/13/2016 3:55:21 PM	26930
Toluene	ND	0.047		mg/Kg	1	8/13/2016 3:55:21 PM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2016 3:55:21 PM	26930
Xylenes, Total	ND	0.094		mg/Kg	1	8/13/2016 3:55:21 PM	26930
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/13/2016 3:55:21 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 7C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-022
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	ND	30		mg/Kg	20	8/12/2016 9:53:06 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 3:31:02 PM	26948
Surr: DNOP	91.3	70-130		%Rec	1	8/15/2016 3:31:02 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/13/2016 5:21:11 PM	26930
Surr: BFB	83.6	68.3-144		%Rec	1	8/13/2016 5:21:11 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 5:21:11 PM	26930
Toluene	ND	0.048		mg/Kg	1	8/13/2016 5:21:11 PM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/13/2016 5:21:11 PM	26930
Xylenes, Total	ND	0.097		mg/Kg	1	8/13/2016 5:21:11 PM	26930
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	8/13/2016 5:21:11 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 8A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-023 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	340	30		mg/Kg	20	8/12/2016 10:05:30 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	910	96		mg/Kg	10	8/15/2016 3:52:52 PM	26948
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 3:52:52 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2016 6:34:58 PM	26930
Surr: BFB	83.5	68.3-144		%Rec	1	8/13/2016 6:34:58 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 6:34:58 PM	26930
Toluene	ND	0.047		mg/Kg	1	8/13/2016 6:34:58 PM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2016 6:34:58 PM	26930
Xylenes, Total	ND	0.095		mg/Kg	1	8/13/2016 6:34:58 PM	26930
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	8/13/2016 6:34:58 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 8B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-024
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	100	30		mg/Kg	20	8/12/2016 10:17:55 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 4:14:32 PM	26948
Surr: DNOP	93.1	70-130		%Rec	1	8/15/2016 4:14:32 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2016 6:59:32 PM	26930
Surr: BFB	75.6	68.3-144		%Rec	1	8/13/2016 6:59:32 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/13/2016 6:59:32 PM	26930
Toluene	ND	0.047		mg/Kg	1	8/13/2016 6:59:32 PM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2016 6:59:32 PM	26930
Xylenes, Total	ND	0.093		mg/Kg	1	8/13/2016 6:59:32 PM	26930
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	8/13/2016 6:59:32 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 8C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-025 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	130	30		mg/Kg	20	8/12/2016 10:30:20 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	17	9.2		mg/Kg	1	8/15/2016 4:36:19 PM	26948
Surr: DNOP	93.9	70-130		%Rec	1	8/15/2016 4:36:19 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/13/2016 7:24:01 PM	26930
Surr: BFB	78.7	68.3-144		%Rec	1	8/13/2016 7:24:01 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/13/2016 7:24:01 PM	26930
Toluene	ND	0.046		mg/Kg	1	8/13/2016 7:24:01 PM	26930
Ethylbenzene	ND	0.046		mg/Kg	1	8/13/2016 7:24:01 PM	26930
Xylenes, Total	ND	0.092		mg/Kg	1	8/13/2016 7:24:01 PM	26930
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/13/2016 7:24:01 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 9A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-026
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	640	30		mg/Kg	20	8/12/2016 10:42:44 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	270	95		mg/Kg	10	8/15/2016 4:58:18 PM	26948
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 4:58:18 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2016 7:48:27 PM	26930
Surr: BFB	81.5	68.3-144		%Rec	1	8/13/2016 7:48:27 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 7:48:27 PM	26930
Toluene	ND	0.047		mg/Kg	1	8/13/2016 7:48:27 PM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2016 7:48:27 PM	26930
Xylenes, Total	ND	0.095		mg/Kg	1	8/13/2016 7:48:27 PM	26930
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	8/13/2016 7:48:27 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 9B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-027 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	210	30		mg/Kg	20	8/12/2016 10:55:09 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/15/2016 5:43:37 PM	26948
Surr: DNOP	92.6	70-130		%Rec	1	8/15/2016 5:43:37 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/13/2016 8:12:51 PM	26930
Surr: BFB	78.7	68.3-144		%Rec	1	8/13/2016 8:12:51 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 8:12:51 PM	26930
Toluene	ND	0.048		mg/Kg	1	8/13/2016 8:12:51 PM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/13/2016 8:12:51 PM	26930
Xylenes, Total	ND	0.096		mg/Kg	1	8/13/2016 8:12:51 PM	26930
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/13/2016 8:12:51 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 9C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-028
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	150	30		mg/Kg	20	8/12/2016 11:07:34 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/15/2016 6:05:21 PM	26948
Surr: DNOP	95.4	70-130		%Rec	1	8/15/2016 6:05:21 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/13/2016 8:37:26 PM	26930
Surr: BFB	75.2	68.3-144		%Rec	1	8/13/2016 8:37:26 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 8:37:26 PM	26930
Toluene	ND	0.048		mg/Kg	1	8/13/2016 8:37:26 PM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/13/2016 8:37:26 PM	26930
Xylenes, Total	ND	0.096		mg/Kg	1	8/13/2016 8:37:26 PM	26930
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	8/13/2016 8:37:26 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 10A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-029
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	690	30		mg/Kg	20	8/12/2016 11:19:58 PM	26965
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	210	94		mg/Kg	10	8/15/2016 6:26:59 PM	26948
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 6:26:59 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2016 9:02:01 PM	26930
Surr: BFB	83.0	68.3-144		%Rec	1	8/13/2016 9:02:01 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 9:02:01 PM	26930
Toluene	ND	0.047		mg/Kg	1	8/13/2016 9:02:01 PM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2016 9:02:01 PM	26930
Xylenes, Total	ND	0.095		mg/Kg	1	8/13/2016 9:02:01 PM	26930
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	8/13/2016 9:02:01 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 10B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-030
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	120	30		mg/Kg	20	8/15/2016 10:52:49 AM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/15/2016 6:48:42 PM	26948
Surr: DNOP	96.6	70-130		%Rec	1	8/15/2016 6:48:42 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/13/2016 9:26:37 PM	26930
Surr: BFB	78.7	68.3-144		%Rec	1	8/13/2016 9:26:37 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/13/2016 9:26:37 PM	26930
Toluene	ND	0.049		mg/Kg	1	8/13/2016 9:26:37 PM	26930
Ethylbenzene	ND	0.049		mg/Kg	1	8/13/2016 9:26:37 PM	26930
Xylenes, Total	ND	0.099		mg/Kg	1	8/13/2016 9:26:37 PM	26930
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/13/2016 9:26:37 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 10C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-031
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	180	30		mg/Kg	20	8/15/2016 11:30:03 AM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/15/2016 7:10:20 PM	26948
Surr: DNOP	94.0	70-130		%Rec	1	8/15/2016 7:10:20 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/13/2016 11:29:27 PM	26930
Surr: BFB	79.1	68.3-144		%Rec	1	8/13/2016 11:29:27 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/13/2016 11:29:27 PM	26930
Toluene	ND	0.048		mg/Kg	1	8/13/2016 11:29:27 PM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/13/2016 11:29:27 PM	26930
Xylenes, Total	ND	0.096		mg/Kg	1	8/13/2016 11:29:27 PM	26930
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/13/2016 11:29:27 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 11A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-032
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1600	75		mg/Kg	50	8/16/2016 5:30:02 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	330	95		mg/Kg	10	8/15/2016 7:32:01 PM	26948
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 7:32:01 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/13/2016 11:53:54 PM	26930
Surr: BFB	77.0	68.3-144		%Rec	1	8/13/2016 11:53:54 PM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/13/2016 11:53:54 PM	26930
Toluene	ND	0.046		mg/Kg	1	8/13/2016 11:53:54 PM	26930
Ethylbenzene	ND	0.046		mg/Kg	1	8/13/2016 11:53:54 PM	26930
Xylenes, Total	ND	0.092		mg/Kg	1	8/13/2016 11:53:54 PM	26930
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	8/13/2016 11:53:54 PM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 11B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-033
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	150	30		mg/Kg	20	8/15/2016 12:19:41 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 7:53:34 PM	26948
Surr: DNOP	90.8	70-130		%Rec	1	8/15/2016 7:53:34 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 12:18:28 AM	26930
Surr: BFB	83.3	68.3-144		%Rec	1	8/14/2016 12:18:28 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 12:18:28 AM	26930
Toluene	ND	0.048		mg/Kg	1	8/14/2016 12:18:28 AM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 12:18:28 AM	26930
Xylenes, Total	ND	0.096		mg/Kg	1	8/14/2016 12:18:28 AM	26930
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	8/14/2016 12:18:28 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 11C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-034
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	89	30		mg/Kg	20	8/15/2016 12:56:55 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 8:15:16 PM	26948
Surr: DNOP	91.7	70-130		%Rec	1	8/15/2016 8:15:16 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 12:43:00 AM	26930
Surr: BFB	78.3	68.3-144		%Rec	1	8/14/2016 12:43:00 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 12:43:00 AM	26930
Toluene	ND	0.048		mg/Kg	1	8/14/2016 12:43:00 AM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 12:43:00 AM	26930
Xylenes, Total	ND	0.096		mg/Kg	1	8/14/2016 12:43:00 AM	26930
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/14/2016 12:43:00 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 12A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-035 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	90	30		mg/Kg	20	8/15/2016 1:09:19 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	64	9.6		mg/Kg	1	8/15/2016 8:36:52 PM	26948
Surr: DNOP	101	70-130		%Rec	1	8/15/2016 8:36:52 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/14/2016 1:07:33 AM	26930
Surr: BFB	74.4	68.3-144		%Rec	1	8/14/2016 1:07:33 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 1:07:33 AM	26930
Toluene	ND	0.049		mg/Kg	1	8/14/2016 1:07:33 AM	26930
Ethylbenzene	ND	0.049		mg/Kg	1	8/14/2016 1:07:33 AM	26930
Xylenes, Total	ND	0.097		mg/Kg	1	8/14/2016 1:07:33 AM	26930
Surr: 4-Bromofluorobenzene	95.9	80-120		%Rec	1	8/14/2016 1:07:33 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 12B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-036
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	71	30		mg/Kg	20	8/15/2016 1:21:44 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 8:58:36 PM	26948
Surr: DNOP	89.8	70-130		%Rec	1	8/15/2016 8:58:36 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/14/2016 1:32:05 AM	26930
Surr: BFB	81.0	68.3-144		%Rec	1	8/14/2016 1:32:05 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/14/2016 1:32:05 AM	26930
Toluene	ND	0.047		mg/Kg	1	8/14/2016 1:32:05 AM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/14/2016 1:32:05 AM	26930
Xylenes, Total	ND	0.094		mg/Kg	1	8/14/2016 1:32:05 AM	26930
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/14/2016 1:32:05 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 12C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-037
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	100	30		mg/Kg	20	8/15/2016 1:34:09 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 9:20:11 PM	26948
Surr: DNOP	94.4	70-130		%Rec	1	8/15/2016 9:20:11 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/14/2016 1:56:37 AM	26930
Surr: BFB	82.0	68.3-144		%Rec	1	8/14/2016 1:56:37 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/14/2016 1:56:37 AM	26930
Toluene	ND	0.047		mg/Kg	1	8/14/2016 1:56:37 AM	26930
Ethylbenzene	ND	0.047		mg/Kg	1	8/14/2016 1:56:37 AM	26930
Xylenes, Total	ND	0.093		mg/Kg	1	8/14/2016 1:56:37 AM	26930
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	8/14/2016 1:56:37 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 13A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-038 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	38	30		mg/Kg	20	8/15/2016 1:46:33 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	39	9.3		mg/Kg	1	8/15/2016 9:41:49 PM	26948
Surr: DNOP	96.7	70-130		%Rec	1	8/15/2016 9:41:49 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/14/2016 2:21:08 AM	26930
Surr: BFB	78.1	68.3-144		%Rec	1	8/14/2016 2:21:08 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/14/2016 2:21:08 AM	26930
Toluene	ND	0.050		mg/Kg	1	8/14/2016 2:21:08 AM	26930
Ethylbenzene	ND	0.050		mg/Kg	1	8/14/2016 2:21:08 AM	26930
Xylenes, Total	ND	0.099		mg/Kg	1	8/14/2016 2:21:08 AM	26930
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/14/2016 2:21:08 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 13B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-039
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	79	30		mg/Kg	20	8/15/2016 1:58:58 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 10:03:22 PM	26948
Surr: DNOP	92.6	70-130		%Rec	1	8/15/2016 10:03:22 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 2:45:36 AM	26930
Surr: BFB	78.2	68.3-144		%Rec	1	8/14/2016 2:45:36 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 2:45:36 AM	26930
Toluene	ND	0.048		mg/Kg	1	8/14/2016 2:45:36 AM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 2:45:36 AM	26930
Xylenes, Total	ND	0.095		mg/Kg	1	8/14/2016 2:45:36 AM	26930
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/14/2016 2:45:36 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 13C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-040 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	200	30		mg/Kg	20	8/15/2016 2:11:23 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 10:25:06 PM	26948
Surr: DNOP	92.4	70-130		%Rec	1	8/15/2016 10:25:06 PM	26948
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/14/2016 3:10:02 AM	26930
Surr: BFB	80.7	68.3-144		%Rec	1	8/14/2016 3:10:02 AM	26930
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/14/2016 3:10:02 AM	26930
Toluene	ND	0.048		mg/Kg	1	8/14/2016 3:10:02 AM	26930
Ethylbenzene	ND	0.048		mg/Kg	1	8/14/2016 3:10:02 AM	26930
Xylenes, Total	ND	0.096		mg/Kg	1	8/14/2016 3:10:02 AM	26930
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	8/14/2016 3:10:02 AM	26930

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.

CLIENT: Agave Energy Company
Client Sample ID: 14A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-041 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	71	30		mg/Kg	20	8/15/2016 2:23:47 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1100	93		mg/Kg	10	8/15/2016 4:00:50 PM	26949
Surr: DNOP	0	70-130	S	%Rec	10	8/15/2016 4:00:50 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2016 1:18:43 PM	26931
Surr: BFB	108	68.3-144		%Rec	1	8/12/2016 1:18:43 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/12/2016 1:18:43 PM	26931
Toluene	ND	0.050		mg/Kg	1	8/12/2016 1:18:43 PM	26931
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2016 1:18:43 PM	26931
Xylenes, Total	ND	0.10		mg/Kg	1	8/12/2016 1:18:43 PM	26931
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/12/2016 1:18:43 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 14B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-042
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	190	30		mg/Kg	20	8/15/2016 2:36:12 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/15/2016 4:28:45 PM	26949
Surr: DNOP	96.1	70-130		%Rec	1	8/15/2016 4:28:45 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2016 2:29:02 PM	26931
Surr: BFB	106	68.3-144		%Rec	1	8/12/2016 2:29:02 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 2:29:02 PM	26931
Toluene	ND	0.048		mg/Kg	1	8/12/2016 2:29:02 PM	26931
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2016 2:29:02 PM	26931
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2016 2:29:02 PM	26931
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	8/12/2016 2:29:02 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 14C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-043
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	8/15/2016 2:48:36 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/15/2016 4:56:43 PM	26949
Surr: DNOP	93.6	70-130		%Rec	1	8/15/2016 4:56:43 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/12/2016 3:39:19 PM	26931
Surr: BFB	109	68.3-144		%Rec	1	8/12/2016 3:39:19 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 3:39:19 PM	26931
Toluene	ND	0.049		mg/Kg	1	8/12/2016 3:39:19 PM	26931
Ethylbenzene	ND	0.049		mg/Kg	1	8/12/2016 3:39:19 PM	26931
Xylenes, Total	ND	0.098		mg/Kg	1	8/12/2016 3:39:19 PM	26931
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/12/2016 3:39:19 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 15A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-044 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	71	30		mg/Kg	20	8/15/2016 3:25:51 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	21	9.8		mg/Kg	1	8/15/2016 5:52:41 PM	26949
Surr: DNOP	93.5	70-130		%Rec	1	8/15/2016 5:52:41 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/12/2016 4:02:48 PM	26931
Surr: BFB	110	68.3-144		%Rec	1	8/12/2016 4:02:48 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/12/2016 4:02:48 PM	26931
Toluene	ND	0.046		mg/Kg	1	8/12/2016 4:02:48 PM	26931
Ethylbenzene	ND	0.046		mg/Kg	1	8/12/2016 4:02:48 PM	26931
Xylenes, Total	ND	0.093		mg/Kg	1	8/12/2016 4:02:48 PM	26931
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/12/2016 4:02:48 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 15B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-045 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	350	30		mg/Kg	20	8/15/2016 3:38:16 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/15/2016 6:20:47 PM	26949
Surr: DNOP	99.1	70-130		%Rec	1	8/15/2016 6:20:47 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/12/2016 4:26:13 PM	26931
Surr: BFB	109	68.3-144		%Rec	1	8/12/2016 4:26:13 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/12/2016 4:26:13 PM	26931
Toluene	ND	0.049		mg/Kg	1	8/12/2016 4:26:13 PM	26931
Ethylbenzene	ND	0.049		mg/Kg	1	8/12/2016 4:26:13 PM	26931
Xylenes, Total	ND	0.098		mg/Kg	1	8/12/2016 4:26:13 PM	26931
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/12/2016 4:26:13 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 15C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-046
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	150	30		mg/Kg	20	8/15/2016 3:50:40 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/15/2016 6:49:19 PM	26949
Surr: DNOP	92.0	70-130		%Rec	1	8/15/2016 6:49:19 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2016 4:49:45 PM	26931
Surr: BFB	107	68.3-144		%Rec	1	8/12/2016 4:49:45 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 4:49:45 PM	26931
Toluene	ND	0.048		mg/Kg	1	8/12/2016 4:49:45 PM	26931
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2016 4:49:45 PM	26931
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2016 4:49:45 PM	26931
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	8/12/2016 4:49:45 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 16A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-047
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	8/15/2016 4:03:05 PM	26991
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/15/2016 7:17:26 PM	26949
Surr: DNOP	100	70-130		%Rec	1	8/15/2016 7:17:26 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 5:13:13 PM	26931
Surr: BFB	107	68.3-144		%Rec	1	8/12/2016 5:13:13 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 5:13:13 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 5:13:13 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 5:13:13 PM	26931
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2016 5:13:13 PM	26931
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	8/12/2016 5:13:13 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 16B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-048
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	34	30		mg/Kg	20	8/15/2016 3:23:10 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 7:45:11 PM	26949
Surr: DNOP	99.3	70-130		%Rec	1	8/15/2016 7:45:11 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 5:36:40 PM	26931
Surr: BFB	107	68.3-144		%Rec	1	8/12/2016 5:36:40 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/12/2016 5:36:40 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 5:36:40 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 5:36:40 PM	26931
Xylenes, Total	ND	0.094		mg/Kg	1	8/12/2016 5:36:40 PM	26931
Surr: 4-Bromofluorobenzene	98.3	80-120		%Rec	1	8/12/2016 5:36:40 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 17A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-049 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	8/15/2016 4:00:24 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/15/2016 8:12:54 PM	26949
Surr: DNOP	94.7	70-130		%Rec	1	8/15/2016 8:12:54 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/12/2016 7:33:49 PM	26931
Surr: BFB	107	68.3-144		%Rec	1	8/12/2016 7:33:49 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.025		mg/Kg	1	8/12/2016 7:33:49 PM	26931
Toluene	ND	0.050		mg/Kg	1	8/12/2016 7:33:49 PM	26931
Ethylbenzene	ND	0.050		mg/Kg	1	8/12/2016 7:33:49 PM	26931
Xylenes, Total	ND	0.10		mg/Kg	1	8/12/2016 7:33:49 PM	26931
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	8/12/2016 7:33:49 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 17B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-050 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	84	30		mg/Kg	20	8/15/2016 4:12:49 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/15/2016 8:40:42 PM	26949
Surr: DNOP	94.6	70-130		%Rec	1	8/15/2016 8:40:42 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 7:57:21 PM	26931
Surr: BFB	111	68.3-144		%Rec	1	8/12/2016 7:57:21 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 7:57:21 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 7:57:21 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 7:57:21 PM	26931
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2016 7:57:21 PM	26931
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/12/2016 7:57:21 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 18A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-051 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	30		mg/Kg	20	8/15/2016 4:25:13 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/15/2016 9:08:32 PM	26949
Surr: DNOP	98.9	70-130		%Rec	1	8/15/2016 9:08:32 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 8:20:42 PM	26931
Surr: BFB	108	68.3-144		%Rec	1	8/12/2016 8:20:42 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 8:20:42 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 8:20:42 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 8:20:42 PM	26931
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2016 8:20:42 PM	26931
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/12/2016 8:20:42 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 18B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-052
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	89	30		mg/Kg	20	8/15/2016 4:37:38 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/15/2016 9:36:17 PM	26949
Surr: DNOP	97.4	70-130		%Rec	1	8/15/2016 9:36:17 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/12/2016 8:44:06 PM	26931
Surr: BFB	109	68.3-144		%Rec	1	8/12/2016 8:44:06 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/12/2016 8:44:06 PM	26931
Toluene	ND	0.046		mg/Kg	1	8/12/2016 8:44:06 PM	26931
Ethylbenzene	ND	0.046		mg/Kg	1	8/12/2016 8:44:06 PM	26931
Xylenes, Total	ND	0.092		mg/Kg	1	8/12/2016 8:44:06 PM	26931
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/12/2016 8:44:06 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 19A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-053 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	47	30		mg/Kg	20	8/15/2016 4:50:02 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/15/2016 10:04:00 PM	26949
Surr: DNOP	89.3	70-130		%Rec	1	8/15/2016 10:04:00 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 9:07:36 PM	26931
Surr: BFB	108	68.3-144		%Rec	1	8/12/2016 9:07:36 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/12/2016 9:07:36 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 9:07:36 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 9:07:36 PM	26931
Xylenes, Total	ND	0.094		mg/Kg	1	8/12/2016 9:07:36 PM	26931
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	8/12/2016 9:07:36 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 19B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-054
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	170	30		mg/Kg	20	8/15/2016 5:02:27 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/15/2016 10:31:50 PM	26949
Surr: DNOP	88.0	70-130		%Rec	1	8/15/2016 10:31:50 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 9:30:59 PM	26931
Surr: BFB	108	68.3-144		%Rec	1	8/12/2016 9:30:59 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 9:30:59 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 9:30:59 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 9:30:59 PM	26931
Xylenes, Total	ND	0.094		mg/Kg	1	8/12/2016 9:30:59 PM	26931
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	8/12/2016 9:30:59 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 20A
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-055 **Matrix:** SOIL **Received Date:** 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	8/15/2016 5:14:51 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/15/2016 10:59:19 PM	26949
Surr: DNOP	88.3	70-130		%Rec	1	8/15/2016 10:59:19 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2016 9:54:19 PM	26931
Surr: BFB	108	68.3-144		%Rec	1	8/12/2016 9:54:19 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 9:54:19 PM	26931
Toluene	ND	0.048		mg/Kg	1	8/12/2016 9:54:19 PM	26931
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2016 9:54:19 PM	26931
Xylenes, Total	ND	0.095		mg/Kg	1	8/12/2016 9:54:19 PM	26931
Surr: 4-Bromofluorobenzene	99.3	80-120		%Rec	1	8/12/2016 9:54:19 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 20B
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-056
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	57	30		mg/Kg	20	8/15/2016 5:52:05 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/15/2016 11:26:53 PM	26949
Surr: DNOP	90.6	70-130		%Rec	1	8/15/2016 11:26:53 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/12/2016 10:17:42 PM	26931
Surr: BFB	107	68.3-144		%Rec	1	8/12/2016 10:17:42 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.024		mg/Kg	1	8/12/2016 10:17:42 PM	26931
Toluene	ND	0.048		mg/Kg	1	8/12/2016 10:17:42 PM	26931
Ethylbenzene	ND	0.048		mg/Kg	1	8/12/2016 10:17:42 PM	26931
Xylenes, Total	ND	0.096		mg/Kg	1	8/12/2016 10:17:42 PM	26931
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	8/12/2016 10:17:42 PM	26931

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.

CLIENT: Agave Energy Company
Client Sample ID: 16C
Project: Grace Well Leak
Collection Date: 8/5/2016
Lab ID: 1608654-057
Matrix: SOIL
Received Date: 8/10/2016 3:56:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	30		mg/Kg	20	8/15/2016 6:04:29 PM	26992
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/15/2016 11:54:38 PM	26949
Surr: DNOP	90.4	70-130		%Rec	1	8/15/2016 11:54:38 PM	26949
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/12/2016 10:41:11 PM	26931
Surr: BFB	107	68.3-144		%Rec	1	8/12/2016 10:41:11 PM	26931
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
Benzene	ND	0.023		mg/Kg	1	8/12/2016 10:41:11 PM	26931
Toluene	ND	0.047		mg/Kg	1	8/12/2016 10:41:11 PM	26931
Ethylbenzene	ND	0.047		mg/Kg	1	8/12/2016 10:41:11 PM	26931
Xylenes, Total	ND	0.094		mg/Kg	1	8/12/2016 10:41:11 PM	26931
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	8/12/2016 10:41:11 PM	26931

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID	**MB-26964**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**26964**	RunNo:	**36494**					
Prep Date:	**8/12/2016**	Analysis Date:	**8/12/2016**	SeqNo:	**1130035**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26964**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**26964**	RunNo:	**36494**					
Prep Date:	**8/12/2016**	Analysis Date:	**8/12/2016**	SeqNo:	**1130036**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Sample ID	**MB-26965**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**26965**	RunNo:	**36494**					
Prep Date:	**8/12/2016**	Analysis Date:	**8/12/2016**	SeqNo:	**1130065**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26965**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**26965**	RunNo:	**36494**					
Prep Date:	**8/12/2016**	Analysis Date:	**8/12/2016**	SeqNo:	**1130066**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID	**MB-26992**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**26992**	RunNo:	**36525**					
Prep Date:	**8/15/2016**	Analysis Date:	**8/15/2016**	SeqNo:	**1130975**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26992**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**26992**	RunNo:	**36525**					
Prep Date:	**8/15/2016**	Analysis Date:	**8/15/2016**	SeqNo:	**1130976**	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			

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID	**MB-26991**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**26991**	RunNo:	**36529**					
Prep Date:	**8/15/2016**	Analysis Date:	**8/15/2016**	SeqNo:	**1131251**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-26991**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**26991**	RunNo:	**36529**					
Prep Date:	**8/15/2016**	Analysis Date:	**8/15/2016**	SeqNo:	**1131252**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **LCS-26948**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **26948**	RunNo: **36497**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130588** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.6	62.6	124			
Surr: DNOP	4.3		5.000		86.4	70	130			

Sample ID **MB-26948**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **26948**	RunNo: **36497**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130589** 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	8.8		10.00		87.7	70	130			

Sample ID **1608654-021AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **7B**	Batch ID: **26948**	RunNo: **36497**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.1	45.75	0	91.0	33.9	141			
Surr: DNOP	4.2		4.575		92.1	70	130			

Sample ID **1608654-021AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **7B**	Batch ID: **26948**	RunNo: **36497**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.7	48.69	0	91.1	33.9	141	6.35	20	
Surr: DNOP	4.4		4.869		91.0	70	130	0	0	

Sample ID **LCS-26949**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **26949**	RunNo: **36499**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130646** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	62.6	124			
Surr: DNOP	4.7		5.000		93.3	70	130			

Sample ID **MB-26949**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **26949**	RunNo: **36499**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130647** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **MB-26949**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **26949**	RunNo: **36499**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130647** 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	8.7		10.00		87.0	70	130			

Sample ID **LCS-26947**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **26947**	RunNo: **36498**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130970** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	81.6	62.6	124			
Surr: DNOP	4.6		5.000		91.2	70	130			

Sample ID **MB-26947**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **26947**	RunNo: **36498**
Prep Date: **8/12/2016**	Analysis Date: **8/15/2016**	SeqNo: **1130971** 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	8.7		10.00		87.4	70	130			

Sample ID **LCS-26990**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **26990**	RunNo: **36499**
Prep Date: **8/15/2016**	Analysis Date: **8/16/2016**	SeqNo: **1131339** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.9	70	130			

Sample ID **MB-26990**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **26990**	RunNo: **36499**
Prep Date: **8/15/2016**	Analysis Date: **8/16/2016**	SeqNo: **1131341** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		108	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
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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **1608654-042AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **14B**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130156** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.8	23.83	0	119	59.3	143			
Surr: BFB	1200		953.3		121	68.3	144			

Sample ID **1608654-042AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **14B**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130157** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	23.92	0	113	59.3	143	4.91	20	
Surr: BFB	1200		956.9		122	68.3	144	0	0	

Sample ID **LCS-26931**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130173** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	80	120			
Surr: BFB	1200		1000		122	68.3	144			

Sample ID **MB-26931**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130174** 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	1100		1000		111	68.3	144			

Sample ID **1608654-022AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **7C**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130402** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.8	24.02	0	78.2	59.3	143			
Surr: BFB	820		960.6		85.3	68.3	144			

Sample ID **1608654-022AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **7C**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130403** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **1608654-022AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **7C**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130403** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.9	24.63	0	78.2	59.3	143	2.58	20	
Surr: BFB	810		985.2		82.2	68.3	144	0	0	

Sample ID **LCS-26930**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130422** 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	93.6	80	120			
Surr: BFB	890		1000		88.8	68.3	144			

Sample ID **MB-26930**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130423** 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	820		1000		81.6	68.3	144			

Sample ID **1608654-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **1B**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130480** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.93	0	82.6	59.3	143			
Surr: BFB	900		997.0		90.2	68.3	144			

Sample ID **1608654-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **1B**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130481** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.8	23.79	0	84.0	59.3	143	2.99	20	
Surr: BFB	870		951.5		91.7	68.3	144	0	0	

Sample ID **LCS-26929**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130500** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **LCS-26929**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130500** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	82.0	80	120			
Surr: BFB	870		1000		86.8	68.3	144			

Sample ID **MB-26929**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130501** 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	770		1000		77.3	68.3	144			

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **1608654-041AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **14A**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130179** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.023	0.9372	0	100	71.5	122			
Toluene	0.99	0.047	0.9372	0	105	71.2	123			
Ethylbenzene	1.1	0.047	0.9372	0	114	75.2	130			
Xylenes, Total	3.2	0.094	2.812	0	113	72.4	131			
Surr: 4-Bromofluorobenzene	1.0		0.9372		107	80	120			

Sample ID **1608654-041AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **14A**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130180** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	0.9852	0	100	71.5	122	5.25	20	
Toluene	1.0	0.049	0.9852	0	106	71.2	123	5.74	20	
Ethylbenzene	1.1	0.049	0.9852	0	115	75.2	130	5.39	20	
Xylenes, Total	3.3	0.099	2.956	0	111	72.4	131	3.15	20	
Surr: 4-Bromofluorobenzene	1.1		0.9852		107	80	120	0	0	

Sample ID **LCS-26931**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130197** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	75.3	123			
Toluene	1.0	0.050	1.000	0	103	80	124			
Ethylbenzene	1.1	0.050	1.000	0	112	82.8	121			
Xylenes, Total	3.3	0.10	3.000	0	109	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Sample ID **MB-26931**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **26931**	RunNo: **36463**
Prep Date: **8/11/2016**	Analysis Date: **8/12/2016**	SeqNo: **1130198** 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	1.1		1.000		105	80	120			

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **1608654-021AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **7B**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130450** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9804	0	96.1	71.5	122			
Toluene	0.97	0.049	0.9804	0	98.7	71.2	123			
Ethylbenzene	0.93	0.049	0.9804	0	94.5	75.2	130			
Xylenes, Total	2.7	0.098	2.941	0	92.5	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9804		114	80	120			

Sample ID **1608654-021AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **7B**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130451** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9416	0	91.6	71.5	122	8.91	20	
Toluene	0.84	0.047	0.9416	0	89.1	71.2	123	14.3	20	
Ethylbenzene	0.83	0.047	0.9416	0	88.2	75.2	130	10.9	20	
Xylenes, Total	2.5	0.094	2.825	0	88.1	72.4	131	8.88	20	
Surr: 4-Bromofluorobenzene	1.0		0.9416		108	80	120	0	0	

Sample ID **LCS-26930**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130473** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	75.3	123			
Toluene	0.92	0.050	1.000	0	92.1	80	124			
Ethylbenzene	0.85	0.050	1.000	0	84.9	82.8	121			
Xylenes, Total	2.5	0.10	3.000	0	84.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID **MB-26930**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **26930**	RunNo: **36502**
Prep Date: **8/11/2016**	Analysis Date: **8/13/2016**	SeqNo: **1130474** 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		103	80	120			

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#: **1608654**

18-Aug-16

Client: Agave Energy Company

Project: Grace Well Leak

Sample ID **1608654-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **1A**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130506** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.023	0.9302	0	98.2	71.5	122			
Toluene	0.96	0.047	0.9302	0	103	71.2	123			
Ethylbenzene	0.95	0.047	0.9302	0.004679	101	75.2	130			
Xylenes, Total	2.8	0.093	2.791	0.01459	101	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9302		114	80	120			

Sample ID **1608654-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **1A**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130507** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9671	0	97.1	71.5	122	2.82	20	
Toluene	0.97	0.048	0.9671	0	100	71.2	123	1.47	20	
Ethylbenzene	0.98	0.048	0.9671	0.004679	101	75.2	130	3.46	20	
Xylenes, Total	2.9	0.097	2.901	0.01459	99.5	72.4	131	2.46	20	
Surr: 4-Bromofluorobenzene	1.1		0.9671		117	80	120	0	0	

Sample ID **LCS-26929**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130527** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.4	75.3	123			
Toluene	0.96	0.050	1.000	0	96.2	80	124			
Ethylbenzene	0.97	0.050	1.000	0	97.2	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	96.7	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID **MB-26929**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **26929**	RunNo: **36505**
Prep Date: **8/11/2016**	Analysis Date: **8/14/2016**	SeqNo: **1130528** 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	0.98		1.000		97.9	80	120			

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

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: 1608654 RcptNo: 1

Received by/date: AT 08/10/16

Logged By: Anne Thorne 8/10/2016 3:56:00 PM Anne Thorne

Completed By: Anne Thorne 8/11/2016 Anne Thorne

Reviewed By: as 08/11/16

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	2.4	Good	Yes			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Agave Energy Company

☑ Standard ☐ Rush

Project Name: Grace Well Leak

Project #:

Mailing Address: 326 West Quay St.

Artesia, NM 88210

Phone #: (575) 513-8988

email or Fax#:

Project Manager: Kerry Egan

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Sampler: Kerry Egan/J. Fuentes

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.4

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1608154	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F^-, Cl^-, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8/5/16		Soil	1A	4oz jar (1)	ice/cool	-001	x		x					x								
8/5/16		Soil	1B	4oz jar (1)	ice/cool	-002	x		x					x								
8/5/16		Soil	1C	4oz jar (1)	ice/cool	-003	x		x					x								
8/5/16		Soil	1D	4oz jar (1)	ice/cool	-004	x		x					x								
8/5/16		Soil	2A	4oz jar (1)	ice/cool	-005	x		x					x								
8/5/16		Soil	2B	4oz jar (1)	ice/cool	-006	x		x					x								
8/5/16		Soil	2C	4oz jar (1)	ice/cool	-007	x		x					x								
8/5/16		Soil	3A	4oz jar (1)	ice/cool	-008	x		x					x								
8/5/16		Soil	3B	4oz jar (1)	ice/cool	-009	x		x					x								
8/5/16		Soil	3C	4oz jar (1)	ice/cool	-010	x		x					x								
8/5/16		Soil	4A	4oz jar (1)	ice/cool	-011	x		x					x								
8/5/16		Soil	4B	4oz jar (1)	ice/cool	-012	x		x					x								

Date:	Time:	Relinquished by:	Received by:	Date Time	Remarks: BTEX, TPH, Cl- analyses
8/10/16	9:10A	Kerry Egan		8/10/16 0845	
Date:	Time:	Relinquished by:	Received by:	Date Time	
10/16	1300			08/10/16 1550	

If necessary, samples submitted to Hall 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.

Chain of Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Agave Energy Company	☑ Standard ☐ Rush
Mailing Address: 326 West Quay St.	Project Name: Grace Well Leak
Artesia, NM 88210	Project #:
Phone #: (575) 513-8988	
email or Fax#:	Project Manager: Kerry Egan
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	
Accreditation: ☐ NELAP ☐ Other ☐ EDD (Type)	Sampler: Kerry Egan/J. Fuentes
	On Ice: ☑ Yes ☐ No
	Sample Temperature: 2.4

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1608654	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diese	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8/5/16		Soil	4C	4oz jar (1)	ice/cool	-013	x		x					x								
8/5/16		Soil	5A	4oz jar (1)	ice/cool	-014	x		x					x								
8/5/16		Soil	5B	4oz jar (1)	ice/cool	-015	x		x					x								
8/5/16		Soil	5C	4oz jar (1)	ice/cool	-016	x		x					x								
8/5/16		Soil	6A	4oz jar (1)	ice/cool	-017	x		x					x								
8/5/16		Soil	6B	4oz jar (1)	ice/cool	-018	x		x					x								
8/5/16		Soil	6C	4oz jar (1)	ice/cool	-019	x		x					x								
8/5/16		Soil	7A	4oz jar (1)	ice/cool	-020	x		x					x								
8/5/16		Soil	7B	4oz jar (1)	ice/cool	-021	x		x					x								
8/5/16		Soil	7C	4oz jar (1)	ice/cool	-022	x		x					x								
8/5/16		Soil	8A	4oz jar (1)	ice/cool	-023	x		x					x								
8/5/16		Soil	8B	4oz jar (1)	ice/cool	-024	x		x					x								

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks: BTEX, TPH, Cl- analyses
				8/10/16	0845	
Date:	Time:	Relinquished by:	Received by:	Date	Time	
8/9/16	1300			08/10/16	1554	

If necessary, samples submitted to Hall 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.

Chain of Custody Record

Client: Agave Energy Company

Mailing Address: 326 West Quay St.
Artesia, NM 88210
Phone #: (575) 513-8988
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

☑ Standard ☐ Rush

Project Name: Grace Well Leak
Project #:
Project Manager: Kerry Egan
Sampler: Kerry Egan/J. Fuentes
On Ice: ☑ Yes ☐ No
Sample Temperature: 5.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1608354	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diese	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F^-, Cl^-, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8/5/16		Soil	8C	4oz jar (1)	ice/cool	-025	x		x					x								
8/5/16		Soil	9A	4oz jar (1)	ice/cool	-026	x		x					x								
8/5/16		Soil	9B	4oz jar (1)	ice/cool	-027	x		x					x								
8/5/16		Soil	9C	4oz jar (1)	ice/cool	-028	x		x					x								
8/5/16		Soil	10A	4oz jar (1)	ice/cool	-029	x		x					x								
8/5/16		Soil	10B	4oz jar (1)	ice/cool	-030	x		x					x								
8/5/16		Soil	10C	4oz jar (1)	ice/cool	-031	x		x					x								
8/5/16		Soil	11A	4oz jar (1)	ice/cool	-032	x		x					x								
8/5/16		Soil	11B	4oz jar (1)	ice/cool	-033	x		x					x								
8/5/16		Soil	11C	4oz jar (1)	ice/cool	-034	x		x					x								
8/5/16		Soil	12A	4oz jar (1)	ice/cool	-035	x		x					x								
8/5/16		Soil	12B	4oz jar (1)	ice/cool	-036	x		x					x								

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks: BTEX, TPH, Cl- analyses
				8/10/16	0845	
Date: 8/10/16	Time: 1300	Relinquished by:	Received by:	08/10/16	1556	

If necessary, samples submitted to Hall 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.

Chain-of-Custody Record

Client: Agave Energy Company

Mailing Address: 326 West Quay St.
Artesia, NM 88210

Phone #: (575) 513-8988

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn Around Time:
☑ Standard ☐ Rush

Project Name:
Grace Well Leak

Project #:

Project Manager:
Kerry Egan

Sampler: Kerry Egan/J. Fuentes
On Ice: ☑ Yes ☐ No
Sample Temperature: 2.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1608554	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diese	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8/5/16		Soil	12C	4oz jar (1)	ice/cool	037	x		x					x								
8/5/16		Soil	13A	4oz jar (1)	ice/cool	038	x		x					x								
8/5/16		Soil	13B	4oz jar (1)	ice/cool	039	x		x					x								
8/5/16		Soil	13C	4oz jar (1)	ice/cool	040	x		x					x								
8/5/16		Soil	14A	4oz jar (1)	ice/cool	041	x		x					x								
8/5/16		Soil	14B	4oz jar (1)	ice/cool	042	x		x					x								
8/5/16		Soil	14C	4oz jar (1)	ice/cool	043	x		x					x								
8/5/16		Soil	15A	4oz jar (1)	ice/cool	044	x		x					x								
8/5/16		Soil	15B	4oz jar (1)	ice/cool	045	x		x					x								
8/5/16		Soil	15C	4oz jar (1)	ice/cool	046	x		x					x								
8/5/16		Soil	16A	4oz jar (1)	ice/cool	047	x		x					x								
8/5/16		Soil	16B	4oz jar (1)	ice/cool	048	x		x					x								

Date:	Time:	Relinquished by:	Received by:	Date Time	Remarks: BTEX, TPH, Cl- analyses
				8/10/16 0845	
Date: 8/10/16	Time: 1300	Relinquished by:	Received by:	Date Time 08/10/16 1556	

If necessary, samples submitted to Hall 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.

Chain-of-Custody Record

Client: Agave Energy Company

Mailing Address: 326 West Quay St.
Artesia, NM 88210
Phone #: (575) 513-8988
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

☑ Standard ☐ Rush

Project Name: Grace Well Leak
Project #:
Project Manager: Kerry Egan
Sampler: Kerry Egan/J. Fuentes
On Ice: ☑ Yes ☐ No
Sample Temperature: 2.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1608654	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8/5/16		Soil	17A	4oz jar (1)	ice/cool	249	x		x					x								
8/5/16		Soil	17B	4oz jar (1)	ice/cool	250	x		x					x								
8/5/16		Soil	18A	4oz jar (1)	ice/cool	251	x		x					x								
8/5/16		Soil	18B	4oz jar (1)	ice/cool	252	x		x					x								
8/5/16		Soil	19A	4oz jar (1)	ice/cool	253	x		x					x								
8/5/16		Soil	19B	4oz jar (1)	ice/cool	254	x		x					x								
8/5/16		Soil	20A	4oz jar (1)	ice/cool	255	x		x					x								
8/5/16		Soil	20B	4oz jar (1)	ice/cool	256	x		x					x								
8/5/16		Soil	16C	4oz jar (1)	ice/cool	257	x		x					x								
8/5/16		Soil	At 08/11/16	4oz jar (1)	ice/cool		x		x					x								
8/5/16		Soil		4oz jar (1)	ice/cool		x		x					x								
8/5/16		Soil		4oz jar (1)	ice/cool		x		x					x								

Date: Time: Relinquished by: Received by: Date Time
8/10/16 0845
Date: Time: Relinquished by: Received by: Date Time
8/10/16 1300 08/10/16 1554

Remarks: BTEX, TPH, Cl- analyses

If necessary, samples submitted to Hall 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.

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02096		ED		2	3	14	22S	32E	627204	3584464*	435	360	75
C 02821	C	LE	2	2	3	14	22S	32E	627303	3584563*	540	340	200
C 02939	C	LE	3	3	1	19	22S	32E	620234	3583042*	280		
C 03717 POD1	C	LE	4	4	1	09	22S	32E	624094	3586365	650		

Average Depth to Water: **350 feet**

Minimum Depth: **340 feet**

Maximum Depth: **360 feet**

Record Count: 4

PLSS Search:

Section(s): 1-36 **Township:** 22S **Range:** 32E

***UTM location was derived from PLSS - see Help**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.