

June 20, 2017

#5E26084-BG3

Lucid Energy Kerry Egan 326 W. Quay Artesia, NM 88210

SUBJECT: SOIL REMEDIATION WORK PLAN FOR THE INCIDENT AT THE COYOTE COMPRESSOR STATION, EDDY COUNTY, NEW MEXICO

Dear Mr. Egan:

On behalf of Lucid Energy Group (Lucid), Souder, Miller & Associates (SMA) has prepared this WORK PLAN that describes the assessment, initial delineation and proposed remediation for a release associated with the Coyote Compressor Station. The site is in UNIT C, SECTION 9, TOWNSHIP 25S, RANGE 27E, NMPM, Eddy County, New Mexico, on State land. Figure 1 illustrates the vicinity and location of the site.

Table	1. below.	summarizes	information	regarding	the release.
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Table 1: Rele	ease information and Site Ranking
Name	Coyote Compressor Station
Company	Lucid Energy Group
Incident Number	2RP-1825, 2RP-4224
API Number	fJMW1322640713, fAB1714639098
Location	32.1502, -104.1980
Estimated Date of Release	August 9, 2013, May 21, 2017
Date Reported to NMOCD	August 9, 2013, May 23,2017
Land Owner	State
Reported To	NM Oil Conservation Division (NMOCD)
Source of Release	Open valve and malfunctioning check valve
Released Material	Pipeline liquids (Condensate and waste water)
Released Volume	200 bbls, 100 bbls
Recovered Volume	45 bbls, 0 bbls
Net Release	155 bbls, 100bbls
Nearest Waterway	Black River is 5 miles northwest of the location
Depth to Groundwater	Estimated to be greater than 100 feet
Nearest Domestic Water Source	Greater than 1,000 feet
NMOCD Ranking	0
SMA Response Dates	Initial: June 6, 2017

1.0 Background

An open valve and a malfunctioning check valve caused the release of 100 bbls of pipeline liquids consisting of condensate and waste water. The spill ran across the pad and down the bar ditch in front of the facility impacting a total of 950 square yards of surface. Three buried pipelines run through the ditch, with the majority of the spill impacting the area between the pipelines. Lucid, then operating the station as Agave Energy Company, had a similar spill that followed the same spill path in 2013. That spill was addressed at the time, but remains open in NMOCD records. The planned mitigation in this work plan is intended to address and close both spills.

2.0 Site Ranking and Land Jurisdiction

Malaga is approximately 9 miles northeast of the release location. The elevation of the release site is approximately 3,296 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs). NMOSE data in the area are rather sparse, but most information supports groundwater being greater than 100 feet. One well, C 03262 POD1, shows a depth to water at 75 feet, but its surface elevation is approximately 200 feet below the elevation of the site.

Recommended Remediation Action Levels (RRALs) are determined by the site ranking according to the NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (1993). Below in Table 2 are the remediation standards and the site ranking for this location. Justification for this site ranking is found in Figure 1 and Appendix B.

Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
ТРН	5000 PPM	1000 PPM	100 PPM

Table 2.

Depth to Groundwater	NMOCD Numeric Rank
< 50 BGS = 20	
50' to 99' = 10	
>100' = 0	0
Distance to Nearest Surface Water	NMOCD Numeric Rank
< 200' = 20	
200' - 1000' = 10	
>1000' = 0	0
Well Head Protection	NMOCD Numeric Rank
<1000' (or <200' domestic) = 20	
> 1000' = 0	0
Total Site Ranking	0

3.0 Release Characterization

On June 6, 2017, after receiving 811 clearance, SMA field personnel assessed the release area. Soil samples were field-screened using an EC meter. Several sample locations were augered by hand and with a backhoe to a maximum depth of 5 feet bgs. Samples were collected to characterize and delineate the release. All samples were collected and processed according to NMOCD soil sampling procedures. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for BTEX by EPA Method 8021, TPH EPA Method 418.1 and chlorides EPA Method 300.0. Sample locations are depicted on Figure 2. All laboratory results are summarized in Table 3. Laboratory reports are included in Appendix C.

The area on the pad was scraped and sampled to a total depth of 4.5 feet, represented by samples L1-L3. Samples L4 and L5 were from the pooling area in the ditch and were advanced until we met refusal with the backhoe at bedrock. Side wall samples were also collected utilizing the backhoe (SW1, SW2, SW3, and SW4) to define the extent of the impact area. L1-1 and L5-3.5 is elevated in total hydrocarbons and will require further excavation at this sidewall. Soil samples L1 through L5 were screened for possible chloride impact, with results indicating low levels of chlorides. Soil contaminant concentrations are illustrated in Figure 2.

4.0 Proposed Soil Remediation Work Plan

With approval from area utilities owners via 811, SMA proposes to excavate the affected soils. Due to production equipment and safety concerns, the impacted area on the pad will be scraped from 0.5 feet to 1 foot bgs, with the areas closest to the unit (L1 and Source sample points) to be deferred until site abandonment. The area within the bar ditch will be excavated to the bedrock, which occurs at 2.5 feet bgs at L4 and 4 feet bgs at L5. Due to safety concerns, the excavation in this area will not come within 3 feet of the buried pipelines. The proposed area to excavate is shown in Figure 2, and is highlighted in Table 3. SMA will continuously guide the excavation activities by collecting composite soil samples for field screening with a mobile titration unit (EPA 4500). The contaminated soil will be transported for proper disposal at an NMOCD permitted disposal facility. Closure samples will be collected at the final depth of excavation and from the sidewalls. Upon confirmation of remediation, SMA will submit a closure report to NMOCD.

5.0 Scope and Limitations

The scope of our services consisted of the performance of assessment sampling, verification of release stabilization, regulatory liaison, and preparation of this work plan. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-8801 or Cynthia Gray at 505-325-7535.

Coyote Compressor Station June 20, 2017

Submitted by: SOUDER, MILLER & ASSOCIATES

- Weyant

Austin Weyant Project Scientist

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Site and Sample Location Map

Tables:

Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141 Initial Appendix B: NMOSE Wells Report Appendix C: Laboratory Analytical Reports Reviewed by:

AL

Cynthia Gray, CHMM Senior Scientist

FIGURE 1 VICINITY AND NMOSE DATA MAP



FIGURE 2 SITE AND SAMPLE LOCATION MAP



TABLE 3 SUMMARY SAMPLE RESULTS

Sample Summary

Table 3.										
Sample		Denth	Proposed	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-
Number on Figure 2	Sample Date	(feet bgs)	Action	ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Laboratory mg/Kg
N	MOCD RRAL's fo	or Site Ranking	0	50 mg/Kg	10 mg/Kg				5000 mg/Kg	
Source	5/31/2017	0.5	excavate	<0.094	<0.024	<4.7	160	210	370	5700
11	6/9/2017	0.5	excavate	<0.096	<0.024				3500	790
LI	6/9/2017	1	excavate	0.46	<0.023				11000	1000
	6/9/2017	0.5	excavate							91
L2	6/9/2017	1	in-situ							130
	6/9/2017	2	in-situ	<0.098	<0.024				21	220
	6/9/2017	1	in-situ							55
L3	6/9/2017	3	in-situ							35
	6/9/2017	4.5	in-situ						38	49
	6/9/2017	0.5	excavate							4000
L4	6/9/2017	1.5	excavate							510
	6/9/2017	2.5	in-situ	<0.094	<0.023				4500	720
	6/9/2017	0.5	excavate							280
L5	6/9/2017	2	excavate							73
	6/9/2017	3.5	excavate	5.5	<0.12				25000	80
L6	6/9/2017	0.5	in-situ	<0.096	<0.024				110	830
SW1	6/9/2017	comp	in-situ	<0.094	<0.023				<19	120
SW2	6/9/2017	comp	in-situ	<0.096	<0.024				61	40
SW3	6/9/2017	comp	in-situ	<0.097	<0.024				<19	39
SW4	6/9/2017	comp	in-situ	<0.095	<0.024				42	<30
DC1	6/9/2017	1	in-situ							170
BG1	6/9/2017	2	in-situ							120

"--" = Not Analyzed

APPENDIX A FORM C141 INITIAL

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

NM OIL CONSERVATION

ARTESIA DISTRICT MAY 2 5 2017

Form C-141 Revised August 8, 2011

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

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

State of New Mexico

Energy Minerals and Natural Resources

h Did I	1001	<u>.</u>		Sa	nta Fe	, NM 8/3	05				
AR1.114	6390	18	Rele	ease Notific	ation	and Co	rrective A	ction	l		
ABITI/	46393	317				OPEF	RATOR		X Ir	itial Report	Final Report
Name of Co	ompany: L	ucid Energy	Delawar	<u> </u>	2	Contact K	erry Egan				
Address 3	26 West (Juay Artesia.	, NM 882	.10		Telephone N	lo. 575 513-89	988			
Facility Nar	me: Coyot	e Compresso	or Station			Facility Typ	e: Compressor	Station			
Surface Ow	mer: State	of NM		Mineral C	wner				API No		
				LOCA	TIO	N OF REI	LEASE				
Unit Letter	Section 9	Township 25S	Range 27E	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County EDDY	
				Latitude 3	32.1502	2 Longitud	e -104.1980				
T	D' 1/			NAT	URE	OF REL	EASE	- 1	X / 1	N	
I ype of Rele	ase: Pipehr	ne Liquids				100 bbls of (condensat	Release: Estimat pipeline liquids e/waste water)	ed	Volume I	Recovered: Non	e
Source of Re failed to prev	elease: Valv vent flow	e left open, an	ıd a malfu	nctioning check va	alve	Date and H 5/21/2017	lour of Occurrence	ce:	Date and	Hour of Discov	ery: 5/21/2017
Was Immedi	ate Notice	Given?	Yes [No 🗌 Not Ro	equired	was made	Whom? Upon n to Mike Bratcher	on 5/23	on to Lucid /2017	EH&S, an ema	il notification
By Whom? H	Kerry Egan					Date and H	lour: 5/23/2017 6	:55AM			
Was a Water	course Rea	ched?	Yes 🗵	No		If YES, Volume Impacting the Watercourse.					
If a Waterco	urse was In	pacted, Desci	ibe Fully.	*							
Describe Cat During the e station. A va in the line wa	use of Prob early morning lve was mis as not prop	lem and Reme ng of Sunday : stakenly left o erly operating	bial Actio 5/21/2017 pen on the and allow	n Taken.* a load of pipeline lines connecting ed flow back thro	liquids the tank ugh the	(condensate/ s to station du lines, to a cor	produced water) v imps and skid dra npressor unit skid	was bein ains. The 1. This b	ig collected e check val packflow ov	at the Coyote C ve intended to p verflowed the sk	Compressor prevent backflow ids containment.
Upon discov	tion. Contra	e was shut, w	nat liquid	ed on proper truck	d conta loading	inment was p procedures a	umped to the fanl it the site.	ks. The o	check valve	e has been repair	red to ensure
Describe Are Once the liq reached the s by 20' in wid	ea Affected juid overflo south fence. dth.	and Cleanup . wed the skid o , it pooled in a	Action Tal containme low-lying	ken.* nt it ran along the spot between the	surface fence a	of the station nd the lease r	pad, toward the soad. The area wh	south fer ere pool	nce line, fo ling occurre	r approximately ed appears to be	120'. Once it 100' in length
Preliminary will be subm	remediaitor nitted after r	has begun in eviewing the	side the st initial sam	ation's fence, deep pling results.	per exca	vation is pen	ling sample resul	ts. A sit	e remediati	on plan is being	prepared and
I hereby cert regulations a public health should their or the enviro federal, state	ify that the all operators or the env operations onment. In c, or local la	information g are required to ironment. The have failed to addition, NMC ows and/or reg	iven above to report a e acceptan adequately OCD accept ulations.	e is true and comp nd/or file certain r ce of a C-141 repo y investigate and r ptance of a C-141	lete to t elease n ort by th emediat report d	he best of my otifications a e NMOCD m e contaminat loes not reliev	knowledge and nd perform corre arked as "Final F ion that pose a th we the operator of	understa ctive act Report" of reat to g respons	nd that pur tions for re does not re round wate sibility for o	suant to NMOC leases which ma lieve the operato r, surface water compliance with	D rules and by endanger or of liability , human health any other
Signature: Nevy Lev						Approved by	OIL CON Signed 5 Environmental S		ATION	DIVISION	- -
Printed Nam	e: Kerry E	gan						· · · · · · · · · · · · · · · · · · ·			
Title: Envir	onmental C	ompliance Co	ordinator			Approval Da	te: 5/26/1	7	Expiration	Date: N/A	٢
E-mail Addr Date: \$/	ress: KEga 24/20	n@agaveenerş	gy.com Phone	: 575 810-6021		Conditions o	f Approval: See A+	tach	ed	Attached	Ź
Attach Add	itional She	ets If Neces	sary	No	w forr	ns can he	found in th	 Р		1	PO MAN
								-		L	nr - 4664

http://www.emnrd.state.nm.us/ OCD/forms.html

New Mexico State Website in forms:

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

220 S. St. Flancis Dr., Santa Fe, NM 87305 Santa I	Fe, NM 87505	· · · · · · · · · · · · · · · · · · ·
Release Notification	on and Corrective Acti	on
nTM2/1322640868	OPERATOR	X Initial Report 🗍 Final Report
Name of Company AGAVE ENERGY COMPANY 14783/	Contact AUSTIN WEYANT	
Address 105 SOUTH 4 TH STREET ARTESIA, NM	Telephone No. 575 513-8988	•
Facility Name COYOTE COM[RESSOR STATION	Facility Type COMPRESSOF	R STATION
Surface Owner Mineral Owner		API No.
LOCATIO	ON OF RELEASE	
Unit LetterSectionTownshipRangeFeet from theNortC925 S27E	th/South Line Feet from the Ea	st/West Line County EDDY
Latitude N32.15	09 Longitude W104.1980	
NATURI	E OF RELEASE	
Type of Release CONDENSATE	Volume of Release 200BBL	Volume Recovered 45BBL
Source of Release PRODUCT TANK	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given?	If YES, To Whom? Hpp()	ox. 8/9/13 per phone call
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the V	Vatercourse.
If a Watercourse was Impacted, Describe Fully.*		RECEIVED
		ILCEIVED
		AUG 13 2013
Describe Cause of Problem and Remedial Action Taken.*		NMOCD ARTESIA
temporary soil berm while a vacuum truck preformed recovery operatio installed on open drain line to prevent any future backflow.	ns. An emergency 811 was made and	d clean up started. Check valves have been
Describe Area Affected and Cleanup Action Taken.*		
Affected area on the station's pad is 100ft X 60ft with a vertical extent of bare ditch Affected are is 70ft long by 3ft wide with a vertical extent of replaced with unaffected top soil. Samples will be pulled from surface of	of 4-7 inches, a portion of the release 2ft. Affected soil will be removed ar down to 4ft Cl, TPH and BTEX will I	flowed off the pad and on to a lease road and ad hauled off to R360 for disposal and be included in any analysis.
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedi or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	the best of my knowledge and under notifications and perform corrective the NMOCD marked as "Final Repor ate contamination that pose a threat t does not relieve the operator of respo	rstand that pursuant to NMOCD rules and actions for releases which may endanger t" does not relieve the operator of liability o ground water, surface water, human health onsibility for compliance with any other
	OIL CONSEI	RVATION DIVISION
Signature: TTWW Dugw		all king
Printed Name: AUSTIN WEYANT	Approved by Environmental Specie	Blighed By_PUII/4 E) Editorical
Title: ENG TECH	Approval Date: 1 4 2013	Expiration Date:
E-mail Address: aweyant@yatespetroleum.com	Conditions of Approval: Remediation per OCD	Rule & Attached
Date: 8/13/13 Phone: 575 513-8988	Guidelines. SUBMIT REM	EDIATION
FJMW 13226407/3 ; JMW 13226440	52 PROPOSAL NO LATER September 14	THAN: 2RP-1825

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/25/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP 4224 has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District <u>2</u> office in <u>ARTESIA</u> on or before <u>6/25/17</u>. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

APPENDIX B NMOSE WELLS 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)	9	(qua (qua	rter	s a s a	ire 1: ire si	=NW : malles	2=NE ∷ st to lai	3=SW 4- rgest)	=SE) (NA) AD83 UTM in me	eters)	(1	In feet)	
POD Number	POD Sub- Code basin C	ount	Q v 64	Q 16	Q 4	Sec	Tws	Rna		x	Y	Distance	Depth Well	Depth Water	Water Column
C 03261 POD1		ED	3	2	1	20	25S	27E	5740	07	3554006* 🌍	3746	351		
C 03262 POD1	С	ED	2	1	2	22	25S	27E	5778	337	3554244* 🌍	3768	75		
C 03264 POD1	С	ED	2	1	2	02	25S	27E	5793	891	3559099* 🌍	4084			
<u>C 01841</u>	С	ED			1	29	24S	27E	5738	306	3561953* 🌍	4979	150		
C 03263 POD1	С	ED	1	1	1	07	25S	28E	5816	628	3557501* 🌍	5929	133		
C 01452	С	ED				22	24S	27E	5774	135	3563175* 🌍	6079	95	70	25
C 03654 POD1	CUB	ED	2	3	1	24	25S	26E	5706	654	3553773 🌍	6184			
<u>C 01721</u>	С	ED			1	25	24S	27E	5802	271	3562033* 🌍	6545	170		
<u>C 00819</u>	С	ED		4	4	26	24S	26E	5700)22	3560935* 🌍	6716	62	42	20
<u>C 02221</u>	CUB	ED	4	3	2	25	25S	26E	5714	12	3551961* 🌍	6885	35		
											Avera	ge Depth to	Water:	56	feet
												Minimum	Depth:	42	feet
												Maximum	Depth:	70	feet
Record Count: 10															

UTMNAD83 Radius Search (in meters):

Easting (X): 575700.33

Northing (Y): 3557348.29

Radius: 7000

*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.

APPENDIX C LABORATORY ANALYTICAL REPORTS



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

June 15, 2017

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

RE: Lucid Coyote

OrderNo.: 1706645

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 21 sample(s) on 6/13/2017 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Date Reported: 6/15/2017

Client Sample ID: L1-0.5

Project: Lucid Coyote Collection Date: 6/9/2017 9:00:00 AM Lab ID: 1706645-001 Matrix: SOIL Received Date: 6/13/2017 9:45:00 AM Analyses Result **PQL** Qual Units **DF** Date Analyzed Batch EPA METHOD 418.1: TPH Analyst: MAB Petroleum Hydrocarbons, TR 3500 200 mg/Kg 10 6/15/2017 32267 **EPA METHOD 300.0: ANIONS** Analyst: LGT Chloride mg/Kg 6/14/2017 11:42:44 AM 32282 790 30 20 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Methyl tert-butyl ether (MTBE) ND 0.096 mg/Kg 1 6/14/2017 11:29:43 AM 32244 Benzene ND 0.024 mg/Kg 1 6/14/2017 11:29:43 AM 32244 Toluene ND 0.048 mg/Kg 6/14/2017 11:29:43 AM 32244 1 Ethylbenzene ND 0.048 mg/Kg 1 6/14/2017 11:29:43 AM 32244 Xylenes, Total ND 0.096 mg/Kg 6/14/2017 11:29:43 AM 32244 1 Surr: 4-Bromofluorobenzene 111 66.6-132 %Rec 1 6/14/2017 11:29:43 AM 32244

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT: Souder, Miller & Associates Project: Lucid Coyote	Client Sample ID: L1-1 Collection Date: 6/9/2017 9:15:00 AM											
Lab ID: 1706645-002	Matrix:	SOIL	Received Date: 6/13/2017 9:45:00 AM									
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch						
EPA METHOD 418.1: TPH					Analy	st: MAB						
Petroleum Hydrocarbons, TR	11000	1900	mg/Kg	100	6/15/2017	32267						
EPA METHOD 300.0: ANIONS					Analy	st: LGT						
Chloride	1000	30	mg/Kg	20	6/14/2017 12:44:47 F	M 32282						
EPA METHOD 8021B: VOLATILES					Analy	st: NSB						
Methyl tert-butyl ether (MTBE)	ND	0.092	mg/Kg	1	6/14/2017 11:53:34 A	M 32244						
Benzene	ND	0.023	mg/Kg	1	6/14/2017 11:53:34 A	M 32244						
Toluene	0.052	0.046	mg/Kg	1	6/14/2017 11:53:34 A	M 32244						
Ethylbenzene	ND	0.046	mg/Kg	1	6/14/2017 11:53:34 A	M 32244						
Xylenes, Total	0.46	0.092	mg/Kg	1	6/14/2017 11:53:34 A	M 32244						
Surr: 4-Bromofluorobenzene	136	66.6-132 S	%Rec	1	6/14/2017 11:53:34 A	M 32244						

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits

- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	is Labora	Date Reported: 6/15/2017						
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L2-0.5				
Project: Lucid Coyote			Collection	Date: 6/9/2017 12:00:00 PM				
Lab ID: 1706645-003	Matrix:	SOIL	Received	Date: 6/13/2017 9:45:00 AM				
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS				Analys	t: LGT			
Chloride	91	30	mg/Kg	20 6/14/2017 1:22:01 PM	32282			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits
	S	% Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analys	is Labora	Date Reported: 6/15/2017					
CLIENT: Souder, Miller & Associates	Client Sample ID: L2-1						
Project: Lucid Coyote			Collection 1	Date: 6/9/2017 12:15:00 PM			
Lab ID: 1706645-004	Matrix:	SOIL	Received Date: 6/13/2017 9:45:00 AM				
Analyses	Result	PQL Qu	al Units	DF Date Analyzed B	atch		
EPA METHOD 300.0: ANIONS				Analyst: L	.GT		
Chloride	130	30	mg/Kg	20 6/14/2017 1:34:25 PM 3	32282		

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits

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- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT:Souder, Miller & AssociatesProject:Lucid CoyoteLab ID:1706645-005	Client Sample ID: L2-2 Collection Date: 6/9/2017 12:30:00 PM Matrix: SOIL Received Date: 6/13/2017 9:45:00 AM							
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 418.1: TPH					Analyst	MAB		
Petroleum Hydrocarbons, TR	21	20	mg/Kg	1	6/15/2017	32267		
EPA METHOD 300.0: ANIONS					Analyst	LGT		
Chloride	220	30	mg/Kg	20	6/14/2017 1:46:50 PM	32282		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Methyl tert-butyl ether (MTBE)	ND	0.098	mg/Kg	1	6/14/2017 12:17:14 PM	32244		
Benzene	ND	0.024	mg/Kg	1	6/14/2017 12:17:14 PM	32244		
Toluene	ND	0.049	mg/Kg	1	6/14/2017 12:17:14 PM	32244		
Ethylbenzene	ND	0.049	mg/Kg	1	6/14/2017 12:17:14 PM	32244		
Xylenes, Total	ND	0.098	mg/Kg	1	6/14/2017 12:17:14 PM	32244		
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	6/14/2017 12:17:14 PM	32244		

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 5 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Hall Environmental Analys	is Labora	Date Reported: 6/15/2017					
CLIENT: Souder, Miller & Associates	Client Sample ID: L3-1						
Project: Lucid Coyote	Collection Date: 6/9/2017 1:15:00 PM						
Lab ID: 1706645-006	Matrix: SOIL		Received Date: 6/13/2017 9:45:00 AM				
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS				Analys	t: LGT		
Chloride	55	30	mg/Kg	20 6/14/2017 1:59:15 PM	32282		

11

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits
	S	% Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 6 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analys	is Laborat	Date Reported: 6/15/2017					
CLIENT: Souder, Miller & Associates	Client Sample ID: L3-3						
Project: Lucid Coyote	Collection Date: 6/9/2017 1:00:00 PM						
Lab ID: 1706645-007	Matrix:	Matrix: SOIL		Received Date: 6/13/2017 9:45:00 AM			
Analyses	Result	PQL Q	ual Units	DF Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS				Analys	t: LGT		
Chloride	35	30	mg/Kg	20 6/14/2017 2:11:39 PM	32282		

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

11

- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1706645 Date Reported: 6/15/2017

Analyst: LGT

20 6/14/2017 12:58:02 PM 32285

CLIENT	: Souder, Miller & Associates			Client San	nple ID: L3	-4.5		
Project:	Lucid Coyote			Collectio	on Date: 6/9	9/2017 1:20:0	00 PM	
Lab ID:	1706645-008	Matrix:	SOIL	Receive	ed Date: 6/1	13/2017 9:45	:00 AM	
Analyses		Result	PQL	Qual Units	DF	Date Analy	zed	Batch
EPA ME	THOD 418.1: TPH						Analyst	MAB
Petroleu	im Hydrocarbons, TR	38	19	mg/Kg	1	6/15/2017		32267

49

30

mg/Kg

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 300.0: ANIONS

Chloride

			J	1 8			1	
Oualifiers:	*	Value exc	eeds Maximum Cor	ntaminant Level.	В	Analyte de	etected in the associa	ted Metho

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 8 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysi	is Laborat	• Date Reported: 6/15/2017			
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L4-0.5	
Project: Lucid Coyote			Collection	Date: 6/9/2017 1:30:00 PM	
Lab ID: 1706645-009	Matrix:	SOIL	Received	Date: 6/13/2017 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed Ba	itch
EPA METHOD 300.0: ANIONS				Analyst: MI	RA
Chloride	4000	150	mg/Kg	100 6/14/2017 8:51:45 PM 32	282

Kelei to the Q	e Summai	y report and	i sample log	gill checklist	i loi naggeu (2C uata allu	preservation	morma

Qualifiers: *	Value exceeds Maximum Contaminant Level.
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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 9 of 24
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysi	Iall Environmental Analysis Laboratory, Inc.							
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L45				
Project: Lucid Coyote			Collection	Date: 6/9/2017 11:00:00 AM				
Lab ID: 1706645-010	Matrix:	SOIL	Received Date: 6/13/2017 9:45:00 AM					
Analyses	Result	PQL Qua	l Units	DF Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS				Analyst:	LGT			
Chloride	510	30	mg/Kg	20 6/14/2017 2:36:29 PM	32282			

on.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 10 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 6/15/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Project: Lucid Coyote

Client Sample ID: L4-2.5 Collection Date: 6/9/2017 11:00:00 AM Received Date: 6/13/2017 9:45:00 AM

Lab ID: 1706645-011	Matrix:	SOIL	Received Date: 6/13/2017 9:45:00 AM			
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	t: MAB
Petroleum Hydrocarbons, TR	4500	1900	mg/Kg	100	6/15/2017	32267
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	720	30	mg/Kg	20	6/14/2017 3:13:43 PM	32282
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	6/14/2017 12:40:50 PM	1 32244
Benzene	ND	0.023	mg/Kg	1	6/14/2017 12:40:50 PM	32244
Toluene	ND	0.047	mg/Kg	1	6/14/2017 12:40:50 PM	32244
Ethylbenzene	ND	0.047	mg/Kg	1	6/14/2017 12:40:50 PM	32244
Xylenes, Total	ND	0.094	mg/Kg	1	6/14/2017 12:40:50 PM	32244
Surr: 4-Bromofluorobenzene	117	66.6-132	%Rec	1	6/14/2017 12:40:50 PM	1 32244

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В
	D	Sample Diluted Due to Matrix	Е
	Н	Holding times for preparation or analysis exceeded	J
	ND	Not Detected at the Reporting Limit	Р
	R	RPD outside accepted recovery limits	RL
	S	% Recovery outside of range due to dilution or matrix	W

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limit Page 11 of 24
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analys	is Labora	tory, Inc.	• Date Reported: 6/15/2017			
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L5-0.5		
Project: Lucid Coyote			Collection	Date: 6/9/2017 2:00:00 PM		
Lab ID: 1706645-012	Matrix: SOIL		Received Date: 6/13/2017 9:45:00 AM			
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analys	t: LGT	
Chloride	280	30	mg/Kg	20 6/14/2017 3:26:08 PM	32282	

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В
	D	Sample Diluted Due to Matrix	E
	Н	Holding times for preparation or analysis exceeded	J
	ND	Not Detected at the Reporting Limit	Р
	R	RPD outside accepted recovery limits	RL
	S	% Recovery outside of range due to dilution or matrix	W

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 12 of 24
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analys	is Labora	tory, Inc.	• Date Reported: 6/15/2017			
CLIENT: Souder, Miller & Associates			Client Samp	le ID: L5-2		
Project: Lucid Coyote			Collection	Date: 6/9/2017 1:30:00 PM		
Lab ID: 1706645-013	Matrix:	SOIL	Received Date: 6/13/2017 9:45:00 AM			
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS				Analyst: I	MRA	
Chloride	73	30	mg/Kg	20 6/14/2017 8:02:06 PM	32282	

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	
	D	Sample Diluted Due to Matrix	Е	
	Н	Holding times for preparation or analysis exceeded	J	
	ND	Not Detected at the Reporting Limit	Р	
	R	RPD outside accepted recovery limits	RL	
	S	% Recovery outside of range due to dilution or matrix	W	

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 13 of 24
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT: Souder, Miller & Associates	Client Sample ID: L5-3.5							
Project: Lucid Coyote	Collection Date: 6/9/2017 1:45:00 PM							
Lab ID: 1706645-014	Matrix:	SOIL	Received I	Date: 6/11	3/2017 9:45:00 AM	17 9:45:00 AM		
Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 418.1: TPH					Analyst	MAB		
Petroleum Hydrocarbons, TR	25000	1900	mg/Kg	100	6/15/2017	32267		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	80	30	mg/Kg	20	6/14/2017 8:14:30 PM	32282		
EPA METHOD 8021B: VOLATILES					Analyst	NSB		
Methyl tert-butyl ether (MTBE)	ND	0.48	mg/Kg	5	6/14/2017 1:04:27 PM	32244		
Benzene	ND	0.12	mg/Kg	5	6/14/2017 1:04:27 PM	32244		
Toluene	ND	0.24	mg/Kg	5	6/14/2017 1:04:27 PM	32244		
Ethylbenzene	ND	0.24	mg/Kg	5	6/14/2017 1:04:27 PM	32244		
Xylenes, Total	5.5	0.48	mg/Kg	5	6/14/2017 1:04:27 PM	32244		
Surr: 4-Bromofluorobenzene	140	66.6-132	S %Rec	5	6/14/2017 1:04:27 PM	32244		

on.

В

Е

J Р

RL

W

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits Page 14 of 24

Sample container temperature is out of limit as specified

Value above quantitation range

Sample pH Not In Range Reporting Detection Limit

Refe	to the QC Su	immary repo	rt and samp	le login	checklist f	for flagged	QC	data and	preserva	ation in	format	10
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Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits
	S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1706645** Date Reported: **6/15/2017**

CLIENT: Souder, Miller & Associates		0	lient Samp	e ID: L6	-0.5						
Project: Lucid Coyote		Collection Date: 6/9/2017 11:10:00 AM									
Lab ID: 1706645-015	Matrix: SOIL		Received Date: 6/13/2017 9:45:00 AM								
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch					
EPA METHOD 418.1: TPH					Analyst	MAB					
Petroleum Hydrocarbons, TR	110	20	mg/Kg	1	6/15/2017	32267					
EPA METHOD 300.0: ANIONS					Analyst	MRA					
Chloride	830	30	mg/Kg	20	6/14/2017 8:26:55 PM	32282					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	6/14/2017 1:51:43 PM	32244					
Benzene	ND	0.024	mg/Kg	1	6/14/2017 1:51:43 PM	32244					
Toluene	ND	0.048	mg/Kg	1	6/14/2017 1:51:43 PM	32244					
Ethylbenzene	ND	0.048	mg/Kg	1	6/14/2017 1:51:43 PM	32244					
Xylenes, Total	ND	0.096	mg/Kg	1	6/14/2017 1:51:43 PM	32244					
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	6/14/2017 1:51:43 PM	32244					

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Qualifiers: *	Value exceeds Maximum	Contaminant Level.
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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 15 of 24
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT: Souder, Miller & Associates Project: Lucid Coyote Lab ID: 1706(45,016)	Client Sample ID: SW1 Collection Date: 6/9/2017 2:00:00 PM									
Lab ID: 1706645-016	Matrix:	SOIL	Keceivea	Jate: 6/1	3/2017 9:45:00 AM					
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch				
EPA METHOD 418.1: TPH					Analyst	MAB				
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	6/15/2017	32267				
EPA METHOD 300.0: ANIONS					Analyst	MRA				
Chloride	120	30	mg/Kg	20	6/14/2017 8:39:20 PM	32282				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	6/14/2017 6:11:55 PM	32244				
Benzene	ND	0.023	mg/Kg	1	6/14/2017 6:11:55 PM	32244				
Toluene	ND	0.047	mg/Kg	1	6/14/2017 6:11:55 PM	32244				
Ethylbenzene	ND	0.047	mg/Kg	1	6/14/2017 6:11:55 PM	32244				
Xylenes, Total	ND	0.094	mg/Kg	1	6/14/2017 6:11:55 PM	32244				
Surr: 4-Bromofluorobenzene	113	66.6-132	%Rec	1	6/14/2017 6:11:55 PM	32244				

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits
	S	% Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 16 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT:Souder, Miller & AssociatesProject:Lucid CoyoteLab ID:1706645-017	Client Sample ID: SW2Collection Date: 6/9/2017 2:30:00 PMMatrix: SOILReceived Date: 6/13/2017 9:45:00 AM								
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch			
EPA METHOD 418.1: TPH					Analyst	: MAB			
Petroleum Hydrocarbons, TR	61	19	mg/Kg	1	6/15/2017	32267			
EPA METHOD 300.0: ANIONS					Analyst	LGT			
Chloride	40	30	mg/Kg	20	6/14/2017 1:35:16 PM	32285			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	6/14/2017 6:35:33 PM	32244			
Benzene	ND	0.024	mg/Kg	1	6/14/2017 6:35:33 PM	32244			
Toluene	ND	0.048	mg/Kg	1	6/14/2017 6:35:33 PM	32244			
Ethylbenzene	ND	0.048	mg/Kg	1	6/14/2017 6:35:33 PM	32244			
Xylenes, Total	ND	0.096	mg/Kg	1	6/14/2017 6:35:33 PM	32244			
Surr: 4-Bromofluorobenzene	112	66.6-132	%Rec	1	6/14/2017 6:35:33 PM	32244			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
Н		Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit

- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 17 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT: Souder, Miller & Associates Project: Lucid Coyote Lab ID: 1706645-018	Client Sample ID: SW3 Collection Date: 6/9/2017 2:45:00 PM Matrix: SOIL Beceived Date: 6/13/2017 9:45:00 AM									
Applyces	Dogult	BOL On			Date Analyzed	Dotob				
Analyses	Kesuit	FQL Qu	ai Units	DF	Date Analyzeu	Daten				
EPA METHOD 418.1: TPH					Analyst	MAB				
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	6/15/2017	32267				
EPA METHOD 300.0: ANIONS					Analyst	: LGT				
Chloride	39	30	mg/Kg	20	6/14/2017 1:47:41 PM	32285				
EPA METHOD 8021B: VOLATILES					Analyst	: NSB				
Methyl tert-butyl ether (MTBE)	ND	0.097	mg/Kg	1	6/14/2017 6:59:13 PM	32244				
Benzene	ND	0.024	mg/Kg	1	6/14/2017 6:59:13 PM	32244				
Toluene	ND	0.048	mg/Kg	1	6/14/2017 6:59:13 PM	32244				
Ethylbenzene	ND	0.048	mg/Kg	1	6/14/2017 6:59:13 PM	32244				
Xylenes, Total	ND	0.097	mg/Kg	1	6/14/2017 6:59:13 PM	32244				
Surr: 4-Bromofluorobenzene	113	66.6-132	%Rec	1	6/14/2017 6:59:13 PM	32244				

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits
	S	% Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 18 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/15/2017

CLIENT:Souder, Miller & AssociatesProject:Lucid CoyoteLab ID:1706645-019	Client Sample ID: SW4Collection Date: 6/9/2017 3:15:00 PMMatrix: SOILReceived Date: 6/13/2017 9:45:00 AM								
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 418.1: TPH					Analyst	MAB			
Petroleum Hydrocarbons, TR	42	20	mg/Kg	1	6/15/2017	32267			
EPA METHOD 300.0: ANIONS					Analyst	LGT			
Chloride	ND	30	mg/Kg	20	6/14/2017 2:00:05 PM	32285			
EPA METHOD 8021B: VOLATILES					Analyst	: NSB			
Methyl tert-butyl ether (MTBE)	ND	0.095	mg/Kg	1	6/14/2017 7:22:46 PM	32244			
Benzene	ND	0.024	mg/Kg	1	6/14/2017 7:22:46 PM	32244			
Toluene	ND	0.048	mg/Kg	1	6/14/2017 7:22:46 PM	32244			
Ethylbenzene	ND	0.048	mg/Kg	1	6/14/2017 7:22:46 PM	32244			
Xylenes, Total	ND	0.095	mg/Kg	1	6/14/2017 7:22:46 PM	32244			
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	6/14/2017 7:22:46 PM	32244			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	R	RPD outside accepted recovery limits

- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limit Page 19 of 24 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1706645 ъ 1

Hall Environmental Analysi	is Laborat	tory, Inc.		Date Reported: 6/15/2017	
CLIENT: Souder, Miller & Associates			Client Samp	e ID: BG1-1	
Project: Lucid Coyote			Collection 1	Date: 6/9/2017 2:45:00 PM	
Lab ID: 1706645-020	Matrix:	SOIL	Received	Date: 6/13/2017 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS				Analyst: L	GT
Chloride	170	30	mg/Kg	20 6/14/2017 2:37:18 PM 3	32285

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	
	D	Sample Diluted Due to Matrix	
	Н	Holding times for preparation or analysis exceeded	
	ND	Not Detected at the Reporting Limit	
	R	RPD outside accepted recovery limits	I
	S	% Recovery outside of range due to dilution or matrix	

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 20 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysi	is Laborat	tory, Inc.		Date Reported: 6/15/2017	7
CLIENT: Souder, Miller & Associates			Client Samp	e ID: BG1-2	
Project: Lucid Coyote			Collection 1	Date: 6/9/2017 2:50:00 PM	
Lab ID: 1706645-021	Matrix:	SOIL	Received	Date: 6/13/2017 9:45:00 AM	
Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analyst:	LGT
Chloride	120	30	mg/Kg	20 6/13/2017 11:45:17 PM	32261

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	
	D	Sample Diluted Due to Matrix	
	Н	Holding times for preparation or analysis exceeded	
	ND	Not Detected at the Reporting Limit	
	R	RPD outside accepted recovery limits	
	S	% Recovery outside of range due to dilution or matrix	

- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 21 of 24 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

-	Sc	uder, Miller & Associates			
Project:	Lu	icid Coyote			
Sample ID	MB-32261	SampType: MBLK	TestCode: EPA Method	l 300.0: Anions	
Client ID:	PBS	Batch ID: 32261	RunNo: 43495		
Prep Date:	6/13/2017	Analysis Date: 6/13/2017	SeqNo: 1369763	Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID	LCS-32261	SampType: LCS	TestCode: EPA Method	l 300.0: Anions	
Client ID:	LCSS	Batch ID: 32261	RunNo: 43495		
Prep Date:	6/13/2017	Analysis Date: 6/13/2017	SeqNo: 1369764	Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.00	0 92.7 90	110	
Sample ID	MB-32285	SampType: MBLK	TestCode: EPA Method	l 300.0: Anions	
Client ID:	PBS	Batch ID: 32285	RunNo: 43507		
Prep Date:	6/14/2017	Analysis Date: 6/14/2017	SeqNo: 1370245	Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID	LCS-3228	SampType: LCS	TestCode: EPA Method	I 300.0: Anions	
Sample ID Client ID:	LCS-3228	5 SampType: LCS Batch ID: 32285	TestCode: EPA Methoo RunNo: 43507	l 300.0: Anions	
Sample ID Client ID: Prep Date:	LCS-3228 LCSS 6/14/2017	5 SampType: LCS Batch ID: 32285 Analysis Date: 6/14/2017	TestCode: EPA Methoo RunNo: 43507 SeqNo: 1370246	I 300.0: Anions Units: mg/Kg	
Sample ID Client ID: Prep Date: Analyte	LCS-3228 LCSS 6/14/2017	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value	TestCode: EPA Methoo RunNo: 43507 SeqNo: 1370246 e SPK Ref Val %REC LowLimit	I 300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride	LCS-32285 LCSS 6/14/2017	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID	LCS-32285 LCSS 6/14/2017 MB-32282	5 SampType: LCS Batch ID: 32285 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID:	LCS-32285 LCSS 6/14/2017 MB-32282 PBS	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 e SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date:	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 7 Analysis Date: 6/14/2017	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 7 Analysis Date: 6/14/2017 Result PQL SPK value	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344 e SPK Ref Val %REC LowLimit	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte Chloride	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017	5 SampType: LCS Batch ID: 32285 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 Analysis Date: 6/14/2017 Result PQL SPK value ND 1.5	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344 SPK Ref Val %REC LowLimit	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte Chloride	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 7 Analysis Date: 6/14/2017 Result PQL SPK value ND 1.5	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344 SPK Ref Val %REC LowLimit TestCode: EPA Method	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg HighLimit %RPD I 300.0: Anions	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID:	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017 LCS-32282 LCSS	5 SampType: LCS Batch ID: 32285 7 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 7 Analysis Date: 6/14/2017 Result PQL SPK value ND 1.5 2 SampType: Ics Batch ID: 32282	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 43485	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date:	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017 LCS-32282 LCSS 6/14/2017	5 SampType: LCS Batch ID: 32285 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 Analysis Date: 6/14/2017 Result PQL SPK value ND 1.5 SampType: Ics Batch ID: 32282	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 43485 SeqNo: 1370345	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg HighLimit %RPD I 300.0: Anions Units: mg/Kg	RPDLimit Qual
Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte Chloride Sample ID Client ID: Prep Date: Analyte	LCS-32285 LCSS 6/14/2017 MB-32282 PBS 6/14/2017 LCS-32282 LCSS 6/14/2017	5 SampType: LCS Batch ID: 32285 Analysis Date: 6/14/2017 Result PQL SPK value 14 1.5 15.00 SampType: mblk Batch ID: 32282 Analysis Date: 6/14/2017 Result PQL SPK value ND 1.5 2 SampType: Ics Batch ID: 32282 Analysis Date: 6/14/2017 Result PQL SPK value	TestCode: EPA Method RunNo: 43507 SeqNo: 1370246 SPK Ref Val %REC LowLimit 0 0 94.6 90 TestCode: EPA Method RunNo: 43485 SeqNo: 1370344 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 43485 SeqNo: 1370345 SeqNo: 1370345	I 300.0: Anions Units: mg/Kg HighLimit %RPD 110 I 300.0: Anions Units: mg/Kg HighLimit %RPD I 300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual RPDLimit Qual

Qualifiers:

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

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Client: Project:	Souder, Lucid C	, Miller & A Coyote	ssociate	es							
Sample ID	MB-32267	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	PBS	Batch	n ID: 32	267	F	RunNo: 4	3516				
Prep Date:	6/14/2017	Analysis D	Date: 6/	/15/2017	S	SeqNo: 1	370773	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	ND	20					-			
Sample ID	LCS-32267	SampT	ype: LC	s	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS	Batch	n ID: 32	267	F	RunNo: 4	3516				
Prep Date:	6/14/2017	Analysis D	Date: 6/	/15/2017	5	SeqNo: 1	370775	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	110	20	100.0	0	112	61.7	138			
Sample ID	LCSD-32267	SampT	ype: LC	SD	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch	n ID: 32	267	F	RunNo: 4	3516				
Prep Date:	6/14/2017	Analysis D	Date: 6/	/15/2017	S	SeqNo: 1	370776	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	120	20	100.0	0	120	61.7	138	6.40	20	

Qualifiers:

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

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ND

2.9

1.1

0.10

		U		e ș						
Souder Lucid (r, Miller & A Coyote	ssociate	es							
44	SampT	Гуре: МІ	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles		
	Batch	h ID: 32	244	F	RunNo: 4	3491				
017	Analysis D	Date: 6	14/2017	S	SeqNo: 1	370062	Units: mg/k	(g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TBF)	ND	0.10								

120

132

80

66.6

Benzene	ND	0.025							
Toluene	ND	0.050							
Ethylbenzene	ND	0.050							
Xylenes, Total	ND	0.10							
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132		
Sample ID LCS-32244	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles	
Client ID: LCSS	Batcl	h ID: 32	244	R	anNo: 4	3491			
Prep Date: 6/13/2017	Analysis E	Date: 6/	14/2017	S	SeqNo: 1	370063	Units: mg/k	٤g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Methyl tert-butyl ether (MTBE)	0.85	0.10	1.000	0	84.5	66.5	120		
Benzene	1.0	0.025	1.000	0	99.6	80	120		
Toluene	1.0	0.050	1.000	0	99.8	80	120		
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120		

3.000

1.000

0

97.2

111

Qualifiers:

Client:

Project:

Client ID:

Analyte

Xylenes, Total

Surr: 4-Bromofluorobenzene

Sample ID MB-32244

Prep Date: 6/13/2017

Methyl tert-butyl ether (MTBE)

PBS

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

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WO#: 1706645 15-Jun-17

Qual

HALL ENVIRONMENT ANALYSIS LABORATORY	AL	Hall Environmental A Albuq TEL: 505-345-3975 I Website: www.hall	Inalysis 4901 querque FAX: 50 lenviroi	Laboratory Hawkins NE 2, NM 87109 05-345-4107 1mental.com	San	nple Log-In Che	eck List
Client Name: SMA-CARI	LSBAD	Work Order Number:	17066	45		RcptNo: 1	
Received By: Richie Er	iacho	6/13/2017 9:45:00 AM		6	2_<		
Completed By: Ashley Ga	allegos	6/13/2017 10:37:10 AM		÷	Ę		
Reviewed By: ENP	1	06/13/17			U		
Chain of Custody							
1. Custody seals intact on s	sample bottles?		Yes		No 🗌	Not Present 🗹	
2. Is Chain of Custody com	plete?		Yes		No 🗌	Not Present	
3. How was the sample del	ivered?		<u>Couri</u>	er			
<u>Log In</u>							
4. Was an attempt made to	o cool the samples?		Yes		No 🗌	NA 🗆	
5. Were all samples receive	ed at a temperature	e of ≥0° C to 6.0°C	Yes		No 🗌	NA 🗌	
6. Sample(s) in proper con	tainer(s)?		Yes		No 🗌		
7. Sufficient sample volume	e for indicated test(s	\$)?	Yes		No 🗌		
8. Are samples (except VO	A and ONG) proper	ly preserved?	Yes	\checkmark	No 🗌	_	
9. Was preservative added	to bottles?		Yes		No 🗹	NA 🗌	
10.VOA vials have zero hea	dspace?		Yes		No 🗌	No VOA Vials 🗹	
11. Were any sample contai	ners received broke	en?	Yes		No 🗹	# of preserved	
12. Does paperwork match to (Note discrepancies on c	oottle labels? hain of custody)		Yes		No 🗌	for pH: (<2 or >1	2 unless noted)
13. Are matrices correctly ide	entified on Chain of	Custody?	Yes	\checkmark	No 🗌	Adjusted?	
14. Is it clear what analyses	were requested?		Yes	\checkmark	No 🗌	:	
15. Were all holding times al (If no, notify customer for	ole to be met? r authorization.)		Yes		No 🛄	Checked by:	······································
<u>Special Handling (if ap</u>	plicable)						
16. Was client notified of all	discrepancies with	this order?	Yes		No 🗔	NA 🔽	
Person Notified:		Date				r i	
By Whom:		¥ Via:	eMa	il 🗍 Phone	e 🗍 Fax	In Person	
Regarding:	Ĵ						
Client Instructions:	J						
17. Additional remarks:		·					
18. <u>Cooler Information</u> Cooler No Temp °C 1 1.3	C Condition So Good Yes	eal Intact Seal No S s	ieal Da	ite Sigr	ned By	-	

Page 1 of 1

Client: Client: Standard Kush Mailing Address: Project Name: Mailing Address: LULCI d: COUOPE Phone #: Project #: Date Date Pate Time Matrix Sampler ID Type and # Type	Indard Кush Indard Kush Name: Name: MALYSIS Inductor Name: Name: MALYSIS Inductor Idia 10016 Malenvironmenta MALYSIS Inductor Idia 10016 Manustra MALYSIS Inductor Idia 10016 Manustra Malenvironmenta #: 10016 Analysis Requiredue #: 10016 Analysis Requiredue #: 10018 Analysis Requiredue #: 10018 Analysis Requiredue Manager: 11 Nieugen Analysis <th>NUMENTAL BORATORY Som M 87109 54107 54107</th>	NUMENTAL BORATORY Som M 87109 54107 54107
Mailing Address: Project Name: Mailing Address: LULCI d: COUOH Phone #: Project #: Phone #: Phone #:	Name: Name: 1 d : Coulote 4901 Hawkins NE - Albuquerque 1 d : Coulote 4901 Hawkins NE - Albuquerque #: Tel. 505-345.3975 Fax 505-3 #: Tel. 505-345.9075 Fax 505-3 #: Tel. 505-345.9035 Fax 505-3 #: Tel. 505-345.903 Manager: Manager: Tel. 505-345.904, 00, 00 Manager: #: HTPH (Gas only) Manager: Manager: Tel. 505-345.904, 00, 00 Manager: Manager: Tel. FrupPiNAPS Analysis Required upon (GRO / DRO / MRO) Manager: Temperature: 1, 3 Manager:	om IM 87109 54107
Mailing Address: LM Ci d C0U0H Phone #: Project #: Project #: Phone #: Project Manager: QA/QC Package: Project Manager: Called Date Phone #: Phone #: Phone #: Project Manager: Phone #: Phone #: Phone #:<	1d: Couloft 4901 Hawkins NE - Albuquerque. #:	M 87109
Phone #: Project #: Phone #: Project Manager: Phone #: Phone #: Date Time Matrix Sample Request ID Type and # Type	#: Tel. 505-345:3975 Fax 505-3 Manager: Manager: Analysis Required to the second	4107
Phone #: Project Manager: email or Fax#: Project Manager: advOc Package: AuSthn Welgar Standard Level 4 (Full Validation) Standard AuSthn Welgar NELAP Other NELAP Other NELAP Other Bate Time Matrix Sample Request ID Time Matrix Date Time	Manager: Manager: Manag	
email or Fax#: add of Fax#: add of Fax#: add of Fax#: add of Froject Manager: add of Conject Manager: add of Conject Manager: Add th Metyau Add th Metyau add of Conject Manager: Add th Metyau add of Conject Manager: Add th Metyau add of Conject Manager: Add th Metyau add th Type add th Type	Manager: Manager: Manag	
QA/QC Package: Date Level 4 (Full Validation) AUS th MEU au Standard Sampler: HMP/MEU au Accreditation Sampler: HMP/MES NELAP Other Sampler: HMP/MES DELAP Other Sampler: HMP/MES Date Time Matrix Date Time Matrix Date Time Matrix	Stin Weyant Stin Weyant Stin Weyant 0 or 8270 sims) 1 or 8270 sims) 1 des / 8082 PCB's	
Accreditation Sampler: HWP/MZS NELAP Other DeltaP Other EDD (Type) Sample Temperature: I.3 Date Time Matrix Sample Request ID Type and #	Implify Implify	(
Date Time Matrix Sample Request ID Container I. 3 Date Time Matrix Sample Request ID Type and # Type	<u>X</u> tes ides / <u>1</u> Temperature: 1 , 3 <u>1</u> EE + <u>1</u> EE +	
Date Time Matrix Sample Request ID Container Preservative Type and # Type		(VC
Date Time Matrix Sample Request ID Container Preservative Type		N)
	ind # Type HEAL No. Type HEAL No. Type HEAL No. TPH 80155 TPH 801555 TPH 801555 TPH 801555 TPH 801555 TPH 801555 TPH 801555	im92) 0728 Pir Bubbles
Due 109/17 9:00 201 LI - 0.5 4 02.	x x x x x x x x x x x x x x x x x x x	
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12:00 12-0.5	- 003	
12:16 1.2-1	-00 <i>d</i>	
12:30 12-2	× × × Soo-	
	- <i>COLD</i>	
1:00 L3-3	- <i>co</i> 7	
1:20 L3-4:5	× × ×	
1:30 14 - 0.5	x 600-	
11:00 L4 - 1.5	x 010 -	
4 11:00 V L4 - 2.5. V	× × × 100-	
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			Project Name	~					A P	ISI	0 0	A	OKAI	CKY
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			Project #:	þ			el. 505	-345-	975	Fax	505-2	345-4	107	
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email or Fax#:			Project Mana	ger:		(Xju ((0)			(*(
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C EDD (Type)			Sample Temp	erature: 1,8		38 38	19)	9 P) ot	SIB1	səp	()	0	5 ()
Date Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	RTEX + MTI	80168 H9T	EDB (Metho	0168) a'HA9	ым 8 аяря ЭЯ) enoinA	s081 Pestici	40V) 80828	-iwəs) 0/28	səlddu8 1iA
Nel09/17 2:00	Soil	15-0.5	4 02.		-01-22					×				-
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A 2:50	~V	1341-2	9	5	1220-					×		-		
bate: Time:	Reinquish	Thurnut T	Received Dr.		6/17/17 1400	Remark								
Date: Timé:	Helinquist	ind the	Received by:		Date Time									
I THE I PORT	safcres abr	nition to Hall Environmental may be subco	ntracted to other acc	redited laboratorie	s. This serves as notice of this	possibility.	Anv sub-	contracte	f data wi	he clear	hr notate	4 on b	nonal lenititiene d	



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

June 16, 2017

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

OrderNo.: 1706251

RE: Coyote

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/6/2017 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1706251 Date Reported: 6/16/2017

6/7/2017 9:11:27 PM

32141

1

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

CLIENT: Souder, Miller & Associates	Client Sample ID: L 1-0.5 (Source)												
Project: Coyote			Collection 1	Date: 5/3	1/2017								
Lab ID: 1706251-001	Matrix:	SOIL	Received 1	Date: 6/6/	/2017 10:15:00 AM								
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch							
EPA METHOD 300.0: ANIONS					Analyst	MRA							
Chloride	5700	300	mg/Kg	200	6/12/2017 5:00:22 PM	32211							
EPA METHOD 8015M/D: DIESEL RANG		5			Analyst	TOM							
Diesel Range Organics (DRO)	160	9.9	mg/Kg	1	6/8/2017 1:47:05 PM	32152							
Motor Oil Range Organics (MRO)	210	50	mg/Kg	1	6/8/2017 1:47:05 PM	32152							
Surr: DNOP	93.6	70-130	%Rec	1	6/8/2017 1:47:05 PM	32152							
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB							
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/7/2017 9:11:27 PM	32141							
Surr: BFB	97.2	54-150	%Rec	1	6/7/2017 9:11:27 PM	32141							
EPA METHOD 8021B: VOLATILES					Analyst	: NSB							
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	6/7/2017 9:11:27 PM	32141							
Benzene	ND	0.024	mg/Kg	1	6/7/2017 9:11:27 PM	32141							
Toluene	ND	0.047	mg/Kg	1	6/7/2017 9:11:27 PM	32141							
Ethylbenzene	ND	0.047	mg/Kg	1	6/7/2017 9:11:27 PM	32141							
Xylenes, Total	ND	0.094	mg/Kg	1	6/7/2017 9:11:27 PM	32141							

66.6-132

%Rec

119

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	D	Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 5 J
- Р Sample pH Not In Range
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

Client:	Souder, N	Miller & Assoc	iates					
Project:	Coyote							
Sample ID	MB-32211	SampType:	MBLK	Test	Code: EPA Method	300.0: Anions		
Client ID:	PBS	Batch ID:	32211	Ru	unNo: 43415			
Prep Date:	6/9/2017	Analysis Date:	6/9/2017	Se	eqNo: 1366812	Units: mg/Kg		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC LowLimit	HighLimit %RPI	D RPDLimit	Qual
Chloride		ND	1.5					
Sample ID	LCS-32211	SampType:	LCS	Test	Code: EPA Method	300.0: Anions		
Client ID:	LCSS	Batch ID:	32211	Ru	unNo: 43415			
Prep Date:	6/9/2017	Analysis Date:	6/9/2017	Se	eqNo: 1366813	Units: mg/Kg		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC LowLimit	HighLimit %RPI	D RPDLimit	Qual
Chloride		14	1.5 15.00	0	94.8 90	110		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

R

S

- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix

WO#: **1706251** *16-Jun-17*

Client:	Souder, I	Miller & A	ssociate	es							
Project:	Coyote										
Sample ID LCS	-32152	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCS	S	Batch	n ID: 32	152	F	RunNo: 4	3341				
Prep Date: 6/7	/2017	Analysis D	ate: 6/	/8/2017	S	SeqNo: 1	364955	Units: mg/ł	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organie	cs (DRO)	42	10	50.00	0	84.3	73.2	114			
Surr: DNOP		4.0		5.000		81.0	70	130			
Sample ID MB-	32152	SampT	уре: М	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	;	Batch	n ID: 32	152	F	RunNo: 4	3341				
Prep Date: 6/7	/2017	Analysis D	ate: 6/	/8/2017	S	SeqNo: 1	364956	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organie	cs (DRO)	ND	10								
Motor Oil Range Orga	anics (MRO)	ND	50								
Surr: DNOP		9.0		10.00		90.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

R

S

- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix

Page 3 of 5

Client: Project:	Souder, I Coyote	Miller & A	ssociat	es							
Sample ID	MB-32141	Samp	Гуре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	PBS	Batc	h ID: 32	141	F	RunNo: 4	3317				
Prep Date:	6/6/2017	Analysis [Date: 6	/7/2017	S	SeqNo: 1	364057	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		101	54	150			
Sample ID	LCS-32141	Samp	Гуре: L(cs	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	LCSS	Batc	h ID: 32	141	F	RunNo: 4	3317				
Prep Date:	6/6/2017	Analysis [Date: 6	/7/2017	S	SeqNo: 1	364058	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB		1100		1000		106	54	150			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

R

S

- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix

Page 4 of 5

Client: Soude	r, Miller & A	ssociate	es							
Project: Coyote	e									
Sample ID MB-32141	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 32	141	F	RunNo: 4	3317				
Prep Date: 6/6/2017	Analysis [Date: 6/	7/2017	5	SeqNo: 1	364078	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.3		1.000		126	66.6	132			
Sample ID LCS-32141	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 32	141	F	RunNo: 4	3317				
Prep Date: 6/6/2017	Analysis [Date: 6/	7/2017	S	SeqNo: 1	364079	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.0	0.10	1.000	0	101	66.5	120			
Benzene	1.1	0.025	1.000	0	105	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		124	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

R

S

- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix

Page 5 of 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu Albu TEL: 505-345-3975 Website: www.hai	Analysis 4901 F iquerque, FAX: 50 Ilenviron	Laboratory Hawkins NE , NM 87109 5-345-4107 mental.com	Sample Log-In Check List					
Client Name: SMA-CARLSBAD	Work Order Number:	17062	51		RcptNo: 1				
Received By: Richie Eriacho 6	5/6/2017 10:15:00 AM		7	2-2	1				
Completed By: Ashley Gallegos 6	5/6/2017 12:48:39 PM		A	R					
Reviewed By: Ar oleloll				Q					
Chain of Custody									
1. Custody seals intact on sample bottles?		Yes		No 🗆	Not Present 🗹				
2. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present				
3. How was the sample delivered?		<u>Courie</u>	<u>er</u>						
<u>Log In</u>									
4. Was an attempt made to cool the samples?		Yes		No 🗌	NA 🗌				
5. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes 🛛	~	No 🗌					
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 🗹	# of preserved				
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	✓	No 🗔	bottles checked for pH: (<2 or >12 unless n	ote			
13 Are matrices correctly identified on Chain of C	ustody?	Yes	✓	No 🗌	Adjusted?				
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 🗌	Checked by:				
Special Handling (if applicable)									
16. Was client notified of all discrepancies with th	is order?	Yes		No 🗌	NA 🗹				
Person Notified:	Date		*****						
By Whom:	Via:	eMai	I 🗌 Phone	ə 🗌 Fax	In Person				
Regarding:									
Client Instructions:									
17. Additional remarks: 18. <u>Cooler Information</u>		Soal Dat		and By	1				
1 2.6 Good Yes		Jeai Dal	e j oigi	ieu by	-				

	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM B7109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(¹)	s (8021 s (8021) s	r TMB' + TMB' + TMB' + TMB' + 1002: + 1002:	(A o (A o (A o (Ge (Ge (Ge (Ge (Ge (Ge (Ge (Ge (Ge (Ge	Mark Karan Mark Kara Mark Mark Mark Mark Mark Mark Mark Mark						Remarks:	
Turn-Around Time:	Standard 🗆 Rush		leyope	Project #: U		Project Manager:	Auto Wegant	Sampler: On Ice: V Yes D No	Sample Temperature: 2-6°C	Container Preservative HEAL No. Type and # Type /70035	10- ()					Received by 14	Received by: Date Time
Chain-of-Custody Record	Client: SMA	11 11 11 11 11 11 11 11 11 11 11 11 11	Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation	EDD (Type)	Date Time Matrix Sample Request ID	5/21/1 Soil LI-0.5 (Sou	r-polotolog				US/17 (42 Reinquished by the	Date: Time: Relingation by: