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

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Form C-141

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.

1220 S. St. Flair	CIS DI., Sainta	7 FC, INIVI 87303	1	Sa	ınta Fe	, NM 875	05				N - CONTROL OF		
			Rele	ease Notific	ation	and Co	rrective A	ction	l				
						OPERA	OR		☐ Initia	l Report	\boxtimes	Final Report	
Name of Co	mpany LO	OGOS OPER	RATING.	, LLC		Contact Larissa Farrell							
		lace, Farmir	ngton, NN	√ 87401			No. 505-787-20	27					
Facility Nar	ne Rosa 16	66B			I	Facility Type Gas Well							
Surface Ow	ner Federa	ıl		Mineral C	wner F	ederal (NM	SF-078764)		API No.	30-039-2	9841		
				LOCA	TION	OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the		rth/South Line Feet from the			West Line		Coun	ty	
G	30	31N	05W	2305	N	ORTH	2305	l E	EAST	RI	O ARE	RIBA	
				e 36.87146			07.4025726						
			Datitud			OF REL							
Type of Rele	ase Produce	d Water		NAI	UKE		Release 38 bbl		Volume R	ecovered 5	bbl		
Source of Re							lour of Occurrence	e				12/20/2017	
						Unknown			7:00AM				
Was Immedia	ate Notice C		Yes [No Not Re	eauired	If YES, To Vanessa F	whom? elds, NMOCD						
			103		equired	Joe Ferrer,	FS						
By Whom? N		L - 40					lour 12/20/17 @1			up email 12	2/21/17	@7:10	
Was a Water	course Reac		Yes ⊠	No		II YES, VO	lume Impacting t	ne wat	ercourse.				
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	k					MMOCD	and which the residence with the property of the			
									MMOUD				
N/A								SE	P 2 1 2	018			
Describe Cau	ise of Probl	em and Reme	dial Action	n Taken.*				DIST	RICT	111			
Failed fire tu	he resulting	in a release o	of 38 bbl o	f produced water.	Well wa	e shut in and				· American Confession	o fluid	8	
r aned me tu	oc resulting	iii a release o	1 30 001 01	produced water.	Well we	is shut in and	water track carre	d 10 100	ation to reco	over staridir	ig mana	3.	
Describe Are	a Affected	and Cleanup A	Action Tal	en *									
Describe Are	a Affected	and Creanup 7	ACTION TAN	.cn.									
			uced water	r. Current site con	nditions -	remaining v	vater in secondary	contai	nment was f	rozen.			
All fluids ren			vas collect	ed and analyzed p	oer Table	1.							
,		,											
I harahy carti	fu that the i	information a	iven above	e is true and comp	lete to th	ne heet of my	knowledge and u	inderete	and that nure	uant to NM	OCD r	ules and	
				nd/or file certain r									
public health	or the envi	ronment. The	acceptance	ce of a C-141 repo	ort by the	NMOCD m	arked as "Final R	eport"	does not reli	eve the ope	rator of	fliability	
should their o	operations h	ave failed to a	adequately	investigate and r	remediate	e contaminat	on that pose a thr	eat to g	round water	, surface wa	ater, hu	man health	
		ws and/or regu		otance of a C-141	report de	ses not reflev	e the operator of	respons	sibility for co	omphance v	viin ang	youner	
()						OIL CON	SERV	ATION	DIVISIO	ON		
C:	Lan	2	2//					_		1	1		
Signature:	MOVV	1	1			A	F			1			
Printed Name	e: Larissa F	arrell			- '	Approved by	Environmental S	pecialis	St:	-	/		
Title: Enviro	nmental/Re	gulatory Tech	ınician			Approval Da	te:9/24/18		Expiration l	Date:			
E-mail Addre	ess: lfarrell@	@logosresour	cesllc.com			Conditions o	f Approval:			Attached			

* Attach Additional Sheets If Necessary

Phone: (505)787-2027

Date: 9/21/2018

NVF 1735449817

15



ANALYTICAL REPORT

September 18 2018

Logos Operating, LLC

Sample Delivery Group:

L1019140

Samples Received:

08/18/2018

Project Number:

Description:

Rosa 166B

Report To:

Larissa Farrell

2010 Afton Place

Farmington, NM 87401

Entire Report Reviewed By:

Chris Word

Chris Ward Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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ONE LAB. NATIONWIDE.



Sr

GI

Al

Sc

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SAMPLE SUMMARY

Collected by

ONE LAB. NATIONWIDE.

Collected date/time Received date/time



ROSA 166B L1019140-01 Solid	OSA 166B L1019140-01 Solid								
Method	Batch	Dilution	Preparation	Analysis	Analyst				
			date/time	date/time					
Total Solids by Method 2540 G-2011	WG1156891	1	08/24/18 13:40	08/24/18 13:51	KS				
Wet Chemistry by Method 9056A	WG1166164	1	09/14/18 11:26	09/15/18 11:05	ELN				
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1155486	1	08/21/18 11:01	08/22/18 01:09	LRL				
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1155721	1	08/21/18 11:01	08/22/18 14:19	JHH				
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1156110	1	08/22/18 21:24	08/23/18 18:00	LTM				



















CASE NARRATIVE



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

















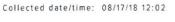
hris Word

ROSA 166B

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

1019140

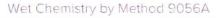


Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	95.4		1	08/24/2018 13:51	WG1156891







	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Chloride	158		10.0	1	09/15/2018 11:05	WG1166164





	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.100	1	08/22/2018 01:09	WG1155486
(S) a, a, a-Trifluorotoluene(FID)	95.3		77.0-120		08/22/2018 01:09	WG1155486





	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.00100	1	08/22/2018 14:19	WG1155721	
Toluene	ND		0.00500	1	08/22/2018 14:19	WG1155721	
Ethylbenzene	ND		0.00250	1	08/22/2018 14:19	WG1155721	
Total Xylenes	ND		0.00650	1	08/22/2018 14:19	WG1155721	
(S) Toluene-d8	119		80.0-120		08/22/2018 14:19	WG1155721	
(S) Dibromofluoromethane	89.7		74.0-131		08/22/2018 14:19	WG1155721	
(S) a,a,a-Trifluorotoluene	107		80.0-120		08/22/2018 14:19	WG1155721	
(S) 4-Bromofluorobenzene	104		64.0-132		08/22/2018 14:19	WG1155721	



Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	ND		4.00	1	08/23/2018 18:00	WG1156110
(S) o-Terphenyl	64.4		18.0-148		08/23/2018 18:00	WG1156110

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE

L1019140-01

Total Solids by Method 2540 G-2011 Method Blank (MB)

(MB) R3336826-1 08/24/18 13:51

MB Result %

MB Qualifier MB MDL %

MB RDL %

Analyte **Total Solids**

Analyte

Analyte

Total Solids

Total Solids

0.00100



(OS) L1019142-02 08/24/18 13:51 • (DUP) R3336826-3 08/24/18 13:51

Original Result DUP Result Dilution DUP RPD %

88.7 89.8 % 1.32

DUP RPD DUP Qualifier

LCS Qualifier

%

10

Laboratory Control Sample (LCS)

(LCS) R3336826-2 08/24/18 13:51

% 50.0

Spike Amount LCS Result LCS Rec. % %

50.0

Rec. Limits % 99.9

85.0-115

DATE/TIME: 09/18/18 15:50

PROJECT:

ACCOUNT: Logos Operating, LLC

SDG: L1019140

PAGE: 6 of 14













QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L1019140-01

Method Blank (MB)

Wet Chemistry by Method 9056A

(MB) R3342243-1 09/15/18 10:09 MB Result MB Qualifier MB MDL MB RDL Analyte mg/kg mg/kg mg/kg Chloride 0.861 0.795 10.0









(OS) L1025005-01 09/15/18 11:13 • (DUP) R3342243-4 09/15/18 11:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	27.1	32.0	1	16.6	<u>P1</u>	15









(OS) L1025545-03 09/15/18 15:08 • (DUP) R3342243-5 09/15/18 15:21

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	9.57	9.49	1	0.882	1	15





Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3342243-2 09/15/18 10:18 • (LCSD) R3342243-3 09/15/18 10:27

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	192	194	96.2	97.1	80.0-120			1.01	15

L1025545-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1025545-04 09/15/18 15:30 • (MS) R3342243-6 09/15/18 15:41 • (MSD) R3342243-7 09/15/18 15:55

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	500	5.17	457	460	90.4	91.0	1	80.0-120			0.635	15

QUALITY CONTROL SUMMARY L1019140-01

ONE LAB, NATIONWIDE.

Volatile Organic Compounds (GC) by Method 8015D/GRO

Method Blank (MB)

(MB) R3335784-3 08/21/18 11:14

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a.a.a-Trifluorotoluene(FID)	97.7			77.0-120



RPD Limits %

20





⁴Cn

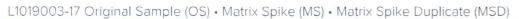


(LCS) R3335/84-1 08/21/18	10:09 • (LCSD)) R3335784-2	08/21/18 10:31						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%
TPH (GC/FID) Low Fraction	5.50	4.93	5.05	89.6	91.9	70.0-136			2.52
(S) a,a,a-Trifluorotoluene(FID)				96.4	97.2	77.0-120			





Al



(OS) L1019003-17	08/22/18 04:24 · (MS) F	R3335784-4 C	08/22/18 04:46	(MSD) R3335	784-5 08/22	2/18 05:07
	Snike Amount	Original Result	MS Result	MSD Result	MS Rec	MSD Rec

, ,	(, , , ,			(
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	108	108	78.7	78.7	25	10.0-147			0.0364	30
(S) a,a,a-Trifluorotoluene(FID)					97.1	96.9		77.0-120				





QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE

L1019140-01

Method Blank (MB)

(MB) R3335814-3 08/22/1	8 11:00			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.000400	0.00100
Ethylbenzene	U		0.000530	0.00250
Toluene	U		0.00125	0.00500
Xylenes, Total	U		0.00478	0.00650
(S) Toluene-d8	116			80.0-120
(S) Dibromofluoromethane	88.1			74.0-131
(S) a,a,a-Trifluorotoluene	107			80.0-120
(S) 4-Bromofluorobenzene	103			64.0-132

Volatile Organic Compounds (GC/MS) by Method 8260B













Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3335814-1 08/22/1	8 09:37 • (LCSE	D) R3335814-2	08/22/18 09:5	58						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.125	0.103	0.107	82.3	85.5	71.0-124			3.84	20
Ethylbenzene	0.125	0.123	0.120	98.2	96.1	77.0-120			2.16	20
Toluene	0.125	0.121	0.114	96.4	91.4	70.0-120			5.29	20
Xylenes, Total	0.375	0.350	0.345	93.3	92.0	77.0-120			1.44	20
(S) Toluene-d8				109	104	80.0-120				
(S) Dibromofluoromethane				95.4	97.6	74.0-131				
(S) a,a,a-Trifluorotoluene				109	109	80.0-120				
(S) 4-Bromofluorobenzene				101	101	64.0-132				







L1019050-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.125	ND	0.0671	0.0994	53.3	79.1	1	13.0-146		73	38.7	27
Ethylbenzene	0.125	ND	0.0865	0.123	68.6	97.8	1	10.0-147		J3	34.8	31
Foluene	0.125	ND	0.0806	0.114	64.4	91.5	1	10.0-144		J3	34.7	28
Kylenes, Total	0.375	ND	0.243	0.344	64.9	91.7	1	10.0-150		<u>J3</u>	34.3	31
(S) Toluene-d8					111	111		80.0-120				
(S) Dibromofluoromethane					94.0	94.4		74.0-131				
(S) a,a,a-Trifluorotoluene					105	106		80.0-120				
(S) 4-Bromofluorobenzene					98.5	101		64.0-132				

Analyte

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Semi-Volatile Organic Compounds (GC) by Method 8015

Method Blank (MB)

TPH (GC/FID) High Fraction

(S) o-Terphenyl

(MB) R3336264-1 08/23/18 17:27

MB Result MB Qualifier MB MDL MB RDL mg/kg mg/kg mg/kg

U 0.769

63.7





Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3336264-2 08/23/18 17:38 • (LCSD) R3336264-3 08/23/18 17:49

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) High Fraction	50.0	40.2	39.1	80.4	78.2	50.0-150			2.77	20
(S) o-Terphenyl				81.1	82.3	18.0-148				

4.00

18.0-148









(OS) L1019140-01 08/23/18 18:00 • (MS) R3336264-4 08/23/18 18:11 • (MSD) R3336264-5 08/23/18 18:21

		Original Result		MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%	Dilation	%	mo dodinior	mos dame.	%	%
TPH (GC/FID) High Fraction	49.8	ND	37.6	38.4	75.5	76.6	1	50.0-150			2.11	20
(S) o-Terphenyl					70.3	77.5		18.0-148				







Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.



Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.

_	
Qua	lifier

Sample Summary (Ss)

Description

times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit



















This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and

ACCREDITATIONS & LOCATIONS





Ss

Cn

Sr

Qc

GI

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico 1	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohic-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana 1	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA_Crypto	TNOOOO3		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ACCOUNT: Logos Operating, LLC PROJECT:

SDG: L1019140

DATE/TIME: 09/18/18 15:50

12 of 14

PAGE:

			Billing Info	rmation.				*		Analysis	/ Contair	or/Pres	rryative			in the state of	· · · · · · · ·
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rannington, itio 57401																	
Report to:	Eman To H	imas To, Ifarrell@logosresourceslic.com										-		120	同學素情		
Larissa Farrell														1	1	Control of TV English Property Control	3377
Project			-	City/State						40mlAmb/MeOH5ml/Syr				1		Server of the server	
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GW - Groundwater B - Bipassay									pH Icmp				1222	stace.	A restaint	61	
ww - WasteWater										Flow		Other		ant.	Pr And	tive tight	200
DW - Drinking Water	Samples return	ned via:				****								Suff		tive seeds vilos seeds vilose seeds	
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Lo	gin #:1019140	lient:LO	GOPEFNM	Date:08/18/18	Evaluated by:Matthew Lockhart		
No	on-Conformance (che	ck appli	cable items)				
	Sample Integrity		Chain of Custody Clarificat	ion			
	Parameter(s) past holding time		Login Clarification Needed		If Broken Container:		
	Improper temperature	×	Chain of custody is incomple	te	Insufficient packing material around container		
	Improper container type		Please specify Metals request	ted.	Insufficient packing material inside cooler		
	Improper preservation		Please specify TCLP requeste	d	Improper handling by carrier (FedEx / UPS / Co		
х	Insufficient sample volume	е.	Received additional samples	not listed on coc.	Sample was frozen		
	Sample is biphasic.		Sample ids on containers do coc	not match ids on	Container lid not intact		
	Vials received with headsp	ace.	Trip Blank not received.		If no Chain of Custody:		
	Broken container		Client did not "X" analysis.		Received by:		
	Broken container:		Chain of Custody is missing		Date/Time:		
	Sufficient sample remains				Temp./Cont. Rec./pH:		
					Carrier:		
					Tracking#		

Login Comments: 1) Client sent methanol stir bar back empty.

2) Client did not fill out COC. We only received soil samples. Client gave no indication if we were suppose to receive the groundwater sample

Client informed by:	Call	X	Email Voic		Voice Mail		Date: 8/20/18	Time: 0858	
TSR Initials: CMW Client Contact: Larissa Farrell									

Login Instructions:

- 1. Please take a terracgreiplug out of one of the soil jars for use in the stir ban
- 2. Use sample 10 Rosa 166B. There is no GW/EPHTN sample needed.