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

Responsible Party: LOGOS Operating, LLC

Contact Name: Larissa Farrell

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NCS1921756251
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID 289408

Contact Telephone (505)787-2027



Contact email: Ifarrell@logosresourcesllc.com Contact mailing address 2010 Afton PI Farmington, NM 87401		Incident # (assigned by OCD) NCS1921756251					
							Locatio
_atitude 36.8	3663635				Longitude -	107.374640	
			(NAD 83 in	decimal de	grees to 5 decin	nal places)	
Site Name: R	osa Unit 26	7			Site Type:	Well	
Date Release	Discovered	:7/19/2019			API# (if app	olicable)30-039-2	25012
Unit Letter	Section	Township	Range		Coun	ıtı.]
M	28	31N	5W	Rio	Arriba	ity	-
ASSOCIATED.							
urface Owne	r: State	□ Federal □ T	ribal Private	(Name)
				(/
			Nature ar	nd Vol	lume of I	Release	
	Marie	I/ > D 1					
Crude Oi	Materia	Volume Release	ed (bbls)	ich calculat	tions or specific	Volume Reco	volumes provided below)
□ Produced	Water	Volume Release	ed (bbls) 15			Volume Reco	evered (bbls) 13
	- 11 1100	Is the concentra	tion of dissolved	d chloride	e in the	☐ Yes ⊠ N	
		produced water					
☐ Condensa	nte	Volume Release	ed (bbls)			Volume Reco	vered (bbls)
☐ Natural G	ias	Volume Release	ed (Mcf)			Volume Reco	vered (Mcf)
Other (describe) Volume/Weight Released (provide units))	Volume/Weig	tht Recovered (provide units)			
Cause of Rele	ease: Tank v	was recently replace	ced and the dump	p valve v	vas left open.	Fluid spilled in	nto the secondary containment and began
saturating the	e ground out	side the containme	ent.				

Page 2

State of New Mexico	
Oil Conservation Division	1

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? Otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Tr 25, was immediate no	when and by what means (phone, email, etc)?
	Initial Response
The responsible p	arty must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	ase has been stopped.
The impacted area has	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	above have not been undertaken, explain why:
nas begun, please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
public health or the environm failed to adequately investigated	mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and equired to report and/or file certain release notifications and perform corrective actions for releases which may endanger ent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have te and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:Larissa F	A Divited Technician
Signature:	Date:7/23/19
email: _lfarrell@logosreso	urcesllc.com Telephone:(505)787-2027
OCD Only	
Received by:	Date:

Form C-141

Page 3

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	2

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)			
Did this release impact groundwater or surface water?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	⊠ Yes □ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No			
Are the lateral extents of the release within a 100-year floodplain?				
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data 				
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release				
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps				
 ☑ Topographic/Aerial maps ☑ Laboratory data including chain of custody 				

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 11/7/2019 9:45:00 AM
Form C-141 State of New Mexico

Page 4 of 35

Oil Conservation Division

Page	1
1 age	7

Incident ID	
District RP	
Facility ID	
Application ID	

public health or the environment. The acceptance of a C-141 report by failed to adequately investigate and remediate contamination that pose	o the best of my knowledge and understand that pursuant to OCD rules and e notifications and perform corrective actions for releases which may endanger the OCD does not relieve the operator of liability should their operations have a threat to groundwater, surface water, human health or the environment. In or of responsibility for compliance with any other federal, state, or local laws
Printed Name:arissa Farrell	Title: _Env/Reg Technician
Printed Name:	Date: _11/7/19
email: _lfarrell@logosresourcesllc.com	Telephone: _(505)787-2027
OCD Only	
<u>och olliy</u>	
Received by:	Date:

Form C-141 State of New Mexico Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.		
A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)		
☐ Description of remediation activities		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name:Larissa Farrell Title: Env/Reg Technician Date:11/7/19 Date: Telephone: (505) 787-2027 Telephone: (505) 787-2027 Telephone: (505) 787-2027 Telephone: (505) 787-2027 Telephone: (505) 787-2027		
OCD Only		
Received by: Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by: Printed Name: NOTAPPROVED Title:		

long his 1/3/20



2010 Afton Place Farmington, NM 87401 Phone: (505) 324-4145 Fax: (505) 326-6112

November 7, 2019

Cory Smith
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RE: Rosa Unit 267 Release (nCS1921756251)

The release at the Rosa Unit 267 was discovered on July 19, 2019. LOGOS Operating (LOGOS) immediately shut in the well and dispatched a water truck to pull the fluid from the affected area. Approximately 15 bbls were released from the valve that was left open on the new tank that replaced the old tank. The secondary containment is not lined and fluid began seeping under the metal berm and left the location area on the southwest corner of the pad. LOGOS was able to recover 13 bbls of fluid from the secondary containment. There is a cathodic well on the well pad that depicts groundwater at 240' below surface. Gypsum was raked into the gravel in the secondary containment. LOGOS sampled the area on October 08, 2019 with the witness of NM Oil Conservation Division. The analytical results showed that the Table I closure criteria was met. As per NMAC 19.15.29.13 (D)(1), the chloride concentrations were above the reclamation standards. On October 24, 2019 LOGOS delineated the affected area down to 2' bgs and results showed the chloride and TPH concentrations were below the standards listed in 19.15.29.13 (D)(1).

Sincerely,

Larissa Farrell

Environmental/Regulatory Technician



Analytical Report

Report Summary

Client: Logos Operating, LLC

Samples Received: 10/8/2019 Job Number: 12035-0114 Work Order: P910031

Project Name/Location: Rosa 267

Report Reviewed By:	Walter Hinduna	Date:	10/11/19	
	Walter Hinchman, Laboratory Director			



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise. Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported. Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



Project Name:

Rosa 267

Flora Vista NM, 87415

Project Number: 12035-0114 Project Manager: Larissa Farrell

Reported: 10/11/19 16:32

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Rosa 267-SS1	P910031-01A	Soil	10/08/19	10/08/19	Glass Jar, 4 oz.
	P910031-01B	Soil	10/08/19	10/08/19	Glass Jar, 4 oz.

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Logos Operating, LLC PO Box 18 Flora Vista NM, 87415

Project Name: Project Number: Rosa 267

Project Manager:

12035-0114 Larissa Farrell

Reported: 10/11/19 16:32

Rosa 267-SS1 P910031-01 (Solid)

		1 7100	131-01 (30	nu)					
		Reporting		100					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	I	1941027	10/09/19	10/10/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	50-	150	1941027	10/09/19	10/10/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/O	ORO								
Diesel Range Organics (C10-C28)	291	25.0	mg/kg	1	1941026	10/09/19	10/09/19	EPA 8015D	
Oil Range Organics (C28-C40)	754	50.0	mg/kg	1	1941026	10/09/19	10/09/19	EPA 8015D	
Surrogate: n-Nonane		116 %	50-2	200	1941026	10/09/19	10/09/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1941027	10/09/19	10/10/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	50-1	50	1941027	10/09/19	10/10/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	699	40.0	mg/kg	2	1941028	10/09/19	10/09/19	EPA 300.0/9056A	

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Project Name:

Rosa 267

Reported:

Flora Vista NM, 87415

Project Number: Project Manager: 12035-0114 Larissa Farrell

10/11/19 16:32

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1941027 - Purge and Trap EPA 5030A										
Blank (1941027-BLK1)			alls s	Prepared: 1	0/09/19 1 A	nalyzed: 1	0/11/19 0			
Benzene	ND	0.0250	mg/kg							
Foluene	ND	0.0250	"							
thylbenzene	ND	0.0250								
n.m-Xylene	ND	0.0500								
-Xylene	ND	0.0250								
Total Xylenes	ND	0.0250	11							
urrogate: 4-Bromochlorobenzene-PID	7.57		и	8.00		94.6	50-150			
.CS (1941027-BS1)				Prepared: 1	0/09/19 1 A	nalyzed: 1	0/11/19 0			
Benzene	5.17	0.0250	mg/kg	5.00		103	70-130			
foluene	5.15	0.0250	"	5.00		103	70-130			
thylbenzene	5.13	0.0250	**	5.00		103	70-130			
.m-Xylene	10.3	0.0500		10.0		103	70-130			
-Xylene	5.16	0.0250	**	5.00		103	70-130			
otal Xylenes	15.4	0.0250		15.0		103	70-130			
iurrogate: 4-Bromochlorobenzene-PID	7.57		**	8.00		94.6	50-150			
Matrix Spike (1941027-MS1)	Sou	rce: P910027-	01	Prepared: 1	0/09/19 1 A	nalyzed: 1	0/11/19 0			
Benzene	4.91	0.0250	mg/kg	5.00	ND	98.2	54.3-133			
oluene	4.89	0.0250	"	5.00	ND	97.8	61.4-130			
thylbenzene	4.87	0.0250	"	5.00	ND	97.5	61.4-133			
.m-Xylene	9.77	0.0500	w	10.0	ND	97.7	63.3-131			
-Xylene	4.88	0.0250	н	5.00	ND	97.6	63.3-131			
otal Xylenes	14.6	0.0250	#	15.0	ND	97.6	63.3-131			
urrogate: 4-Bromochlorobenzene-PID	7.16		*	8.00		89.6	50-150			
Matrix Spike Dup (1941027-MSD1)	Soui	rce: P910027-0	01	Prepared: 10	0/09/19 1 A	nalyzed: 1	0/11/19 1			
enzene	5.02	0.0250	mg/kg	5.00	ND	100	54.3-133	2.16	20	
pluene	4.99	0.0250	"	5.00	ND	99.8	61.4-130	1.94	20	
thylbenzene	4.96	0.0250	**	5.00	ND	99.1	61.4-133	1.65	20	
.m-Xylene	9.89	0.0500	**	10.0	ND	98.9	63.3-131	1.27	20	
Xylene	4.99	0.0250		5.00	ND	99.7	63.3-131	2.18	20	
otal Xylenes	14.9	0.0250		15.0	ND	99.2	63.3-131	1.58	20	
urrogate: 4-Bromochlorobenzene-PID	7.61		n	8.00		95.1	50-150	0.59050		

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Project Name:

Rosa 267

Project Number: Project Manager: 12035-0114

Reported:

Flora Vista NM, 87415

Larissa Farrell

10/11/19 16:32

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1941026 - DRO Extraction EPA 3570										
Blank (1941026-BLK1)				Prepared: 1	0/09/19 0 /	Analyzed: 1	0/09/19 1			
Diesel Range Organies (C10-C28) Oil Range Organies (C28-C40)	ND ND	25.0 50.0	mg/kg							
Surrogate: n-Nonane	58.4		**	50.0		117	50-200			
LCS (1941026-BS1)				Prepared: 1	0/09/19 0 A	Analyzed: 1	0/09/19 1			
Diesel Range Organics (C10-C28)	537	25.0	mg/kg	500		107	38-132			
Surrogate: n-Nonane	60.1		"	50.0		120	50-200			
Matrix Spike (1941026-MS1)	Sou	rce: P910028-	01	Prepared: 1	0/09/19 0 A	Analyzed: 1	0/09/19 1			
Diesel Range Organics (C10-C28)	767	25.0	mg/kg	500	220	109	38-132			
Surrogate: n-Nonane	58.8		"	50.0		118	50-200			
Matrix Spike Dup (1941026-MSD1)	Sour	rce: P910028-	01	Prepared: 1	0/09/19 0 A	Analyzed: 1	0/09/19 1			
Diesel Range Organics (C10-C28)	777	25.0	mg/kg	500	220	112	38-132	1.33	20	
Surrogate: n-Nonane	58.6		"	50.0		117	50-200			

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Ph (505) 632-0615 Fx (505) 632-1865



Logos Operating, LLC PO Box 18 Flora Vista NM, 87415

Project Name:

Rosa 267

12035-0114

Project Number: Project Manager:

Larissa Farrell

Reported: 10/11/19 16:32

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	11-1-	Spike	Source		%REC		RPD	
,	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1941027 - Purge and Trap EPA 5030A										
Blank (1941027-BLK1)				Prepared: 1	0/09/19 1 /	Analyzed: 1	0/11/19 0			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		"	8.00		88.4	50-150			
LCS (1941027-BS2)				Prepared: 1	0/09/19 1 A	Analyzed: 1	0/11/19 1			
Gasoline Range Organics (C6-C10)	43.9	20.0	mg/kg	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-F1D	7.06		"	8.00		88.3	50-150			
Matrix Spike (1941027-MS2)	Sour	ce: P910027-	01	Prepared: 1	0/09/19 1 A	Analyzed: 1	0/11/19 1			
Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		"	8.00		88.4	50-150			
Matrix Spike Dup (1941027-MSD2)	Sour	ce: P910027-	01	Prepared: 1	0/09/19 1 A	nalvzed: 1	0/11/19 1			
Gasoline Range Organics (C6-C10)	46.2	20.0	mg/kg	50.0	ND	92.3	70-130	0.734	20	
Surrogate: 1-Chloro-4-fluorobenzene-F1D	7.02		n	8.00		87.8	50-150			

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Ph (505) 632-0615 Fx (505) 632-1865



Logos Operating, LLCProject Name:Rosa 267PO Box 18Project Number:12035-0114Reported:Flora Vista NM, 87415Project Manager:Larissa Farrell10/11/19 16:32

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Spike

Source

%REC

RPD

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1941028 - Anion Extraction EPA 3	00.0/9056A									
Blank (1941028-BLK1)				Prepared &	Analyzed:	10/09/19 1				
Chloride	ND	20.0	mg/kg							
LCS (1941028-BS1)				Prepared &	Analyzed:	10/09/19 1				
Chloride	256	20.0	mg/kg	250		102	90-110			
Matrix Spike (1941028-MS1)	Sourc	e: P910027-	01	Prepared &	Analyzed:	10/09/19 1				
Chloride	295	20.0	mg/kg	250	36.3	103	80-120			
Matrix Spike Dup (1941028-MSD1)	Sourc	e: P910027-	01	Prepared &	Analyzed:	10/09/19 1				
Chloride	293	20.0	mg/kg	250	36.3	103	80-120	0.677	20	

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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Ph (505) 632-0615 Fx (505) 632-1865

envirotech-inc.com

24 Hour Emergency Response Phone (800) 362-1879



Project Name:

Rosa 267

Flora Vista NM, 87415

Project Number: 12035-0114 Project Manager:

Larissa Farrell

Reported: 10/11/19 16:32

Notes and Definitions

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

RPD

Relative Percent Difference

Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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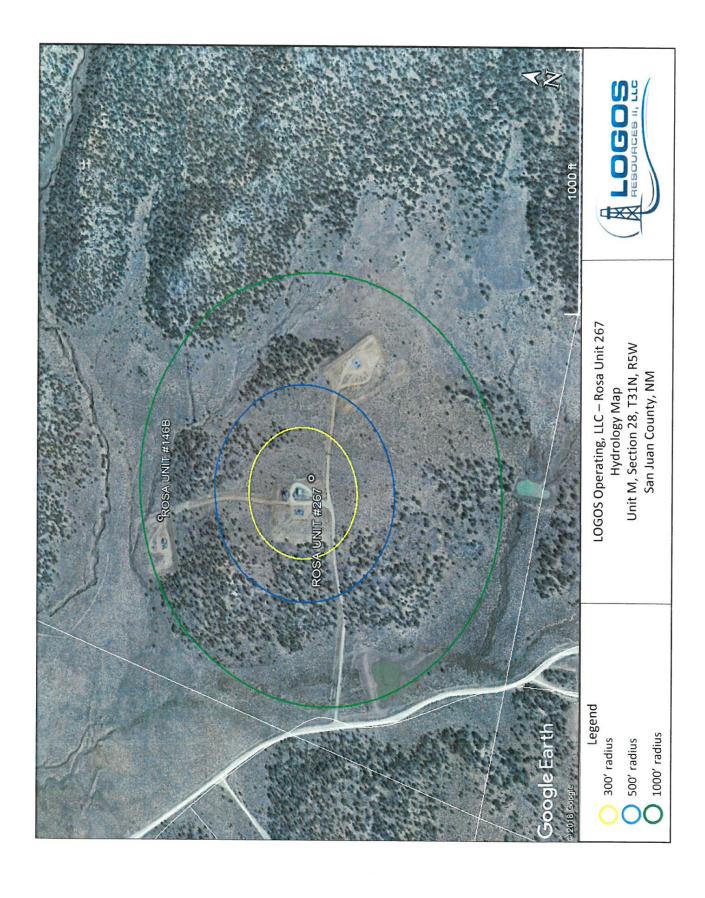
5796 Highway 64, Farmington, NM 87401

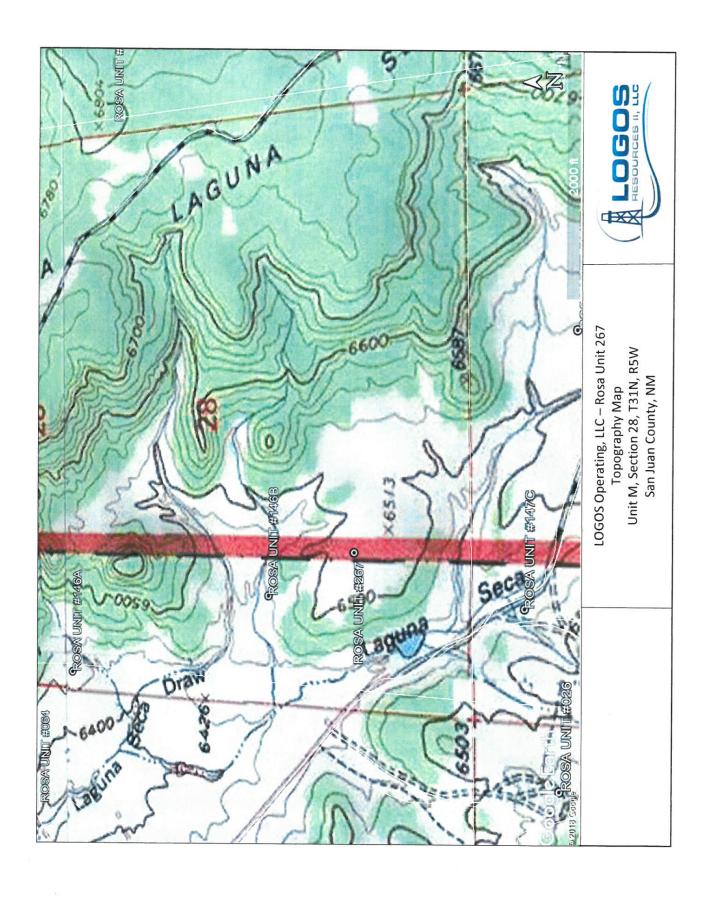
Ph (505) 632-0615 Fx (505) 632-1865

24 Hour Emergency Response Phone (800) 362-1879

Project Information			Chai	n of Custody	,											Page
Client: COGOS			Report Attention		T		1	ah II	se O	nly	22725.0		TAT		DA D	
Project: ROSA 21	47		Report due by:		Lah	WO		000		Num	her		I3D	RCRA	PA Progr	SDWA
Project Manager: Lan Co	satanci		Attention:		P	WO	31		12	35	-0114	10	130	NCNA	CVVA	SUVVA
Address:			Address:						_	_	nd Met		1		St	ate
City, State, Zip			City, State, Zip			T	T	T	T	T	T					UTA
Phone: SOS787-2	10,40	+ [F	Phone:		15	51									/	TOT A
Email: Harrellalogo	Sycsomies	TC. CONT E	mail:		y 80	V 80	-	-		0	1 1				TX OK	
					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	/OC by 8260	Metals 6010	Chloride 300.0						
Time Date Matrix	Containers Sample	ID		Lab	0/0	0/0	X P	C by	tals	oride					Date	an else
				Number	D. B.	8	BTB	8	Me	흥					Ker	narks
12.3/10/8/02	2 Ros	sadle	7-557	1	V	V	-			4						
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Additional Instructions:	27			超過 多												
I, (field sampler), attest to the validity and au	uthenticity of this sample. I	am aware that tamp	pering with or intersionally more belly by the sample I	ocation date or					Samples	requirie	thermal no	avan atles	Vis	ice relived on sce th	IN CO	oler
time of collection is considered fraud and ma	ay be grounds for legal acti	on. Sampled by:	Table						received	packed	n ice at an a	vg temp ab	ove 0 but le	ss than 6°C on	subsequent days	npred or
Relinquished by: (Signature)	Date 1010	Time 3.52	Received by: (Signature)	Date		Time			erior.		100000	1	b Use	Only		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	10/8/10	\rightarrow	_	5	2	Rece	ived	on ice:)/ N	Offiny		
, , , , , , , , , , , , , , , , , , , ,		, mile	Received by: (Signature)	Date		Time										
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	1	Time			T1			1 124			<u>T3</u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Si	ludge A - Aqueour O	Ther		C1-:	\perp				AVG	Temp	0°C_(1_				
Note: Samples are discarded 30 days after	er results are reported u	nless other arrang	ements are made. Hazardous samples will be r	Container :	ype:	g - g	ass, p	9 - po	ly/pla	istic,	ag - ami	ber glas	s, v - V	OA		
only to those samples received by the lat	boratory with this COC.	The liability of the	laboratory is limited to the amount paid for or	the report.	or arsp	osea a	at the	e chen	expen	ise. Th	e report f	or the an	alysis of t	the above sa	imples is appl	cable
Chanici.		la											8 (SE)	0.00		TO STATE OF THE PARTY OF THE PA
Analyt	rotec	5796 U	5 Highway 64, Farmington, NM 87401				Ph	(505) 6	32-138	1 Fx (5	05) 632-18	65		enviro	tech-inc com	
Alidiyi	icui Laborat	DIY 24 Hou	r Emergency Response Phone (800) 352-1879										iaba	admin@env	irotech-inc.co	om







6664

30,-039-25,012

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

Operator Manufact Och Location: Unit M Sec. 28 Twp 31 Rng 5
Name of Well/Wells or Pipeline Serviced laza 267
Elevation 65/3 Completion Date 9-19-9/ Total Depth 4/2 Land Type F
Casing Strings, Sizes, Types & Depths 60 26 40 5 710
If Casing Strings are cemented, show amounts & types used
12 inchi if Limint
If Cement or Bentonite Plugs have been placed, show depths & amounts used
NO
Depths & thickness of water zones with description of water: Fresh, Clear, Salty, Sulphur, Etc. 240 fresh DEGETVEN
Depths gas encountered: NO OII CON DIVI
Ground bed depth with type & amount of coke breeze used: DIST. 3
Donths ander placed.
Depths anodes placed:
Depths vent pipes placed: 350
Vent pipe perforations: 1" want perforated buttom 250 for
Remarks: 2nd anade.

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.



Analytical Report

Report Summary

Client: Logos Operating, LLC

Samples Received: 10/24/2019 Job Number: 12035-0114 Work Order: P910164

Project Name/Location: Rosa 267-Delin

Report Reviewed By:	Walter Hunkerun	Date:	10/31/19	
Report Reviewed By:	Walter Hinchman, Laboratory Director	_		



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.

Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.

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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.

Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

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Project Name:

Rosa 267-Delin

Flora Vista NM, 87415

Project Number: Project Manager: 12035-0114 Larissa Farrell Reported: 10/31/19 15:04

Analytical Report for Samples

Lab Sample ID	Matrix	Sampled	Received	Container
P910164-01A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-01B	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-02A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-02B	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-03A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-03B	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-04A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-04B	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-05A	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
P910164-05B	Soil	10/24/19	10/24/19	Glass Jar, 4 oz.
	P910164-01A P910164-01B P910164-02A P910164-02B P910164-03A P910164-03B P910164-04A P910164-04B P910164-05A	P910164-01A Soil P910164-01B Soil P910164-02A Soil P910164-02B Soil P910164-03A Soil P910164-03B Soil P910164-04A Soil P910164-04B Soil P910164-04B Soil P910164-05A Soil	P910164-01A Soil 10/24/19 P910164-01B Soil 10/24/19 P910164-02A Soil 10/24/19 P910164-02B Soil 10/24/19 P910164-03A Soil 10/24/19 P910164-03B Soil 10/24/19 P910164-04A Soil 10/24/19 P910164-04A Soil 10/24/19 P910164-04B Soil 10/24/19 P910164-05A Soil 10/24/19	P910164-01A Soil 10/24/19 10/24/19 P910164-01B Soil 10/24/19 10/24/19 P910164-02A Soil 10/24/19 10/24/19 P910164-02B Soil 10/24/19 10/24/19 P910164-03A Soil 10/24/19 10/24/19 P910164-03B Soil 10/24/19 10/24/19 P910164-04A Soil 10/24/19 10/24/19 P910164-04B Soil 10/24/19 10/24/19 P910164-05A Soil 10/24/19 10/24/19 P910164-05A Soil 10/24/19 10/24/19

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Project Name:

Rosa 267-Delin

PO Box 18

Project Number:

12035-0114

Reported: 10/31/19 15:04

Flora Vista NM, 87415

Project Manager:

Larissa Farrell

Rosa 267 SD1 P910164-01 (Solid)

		Reporting			·				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %	50-	150	1944004	10/29/19	10/30/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	RO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Surrogate: n-Nonane		99.7 %	50-2	200	1944008	10/29/19	10/30/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	50-1	150	1944004	10/29/19	10/30/19	EPA 8015D	
Anions by 300.0/9056A			(r						
Chloride	101	40.0	mg/kg	2	1944025	10/30/19	10/31/19	EPA 300.0/9056A	

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Logos Operating, LLCProject Name:Rosa 267-DelinPO Box 18Project Number:12035-0114

 PO Box 18
 Project Number:
 12035-0114
 Reported:

 Flora Vista NM, 87415
 Project Manager:
 Larissa Farrell
 10/31/19 15:04

Rosa 267 SD2 P910164-02 (Solid)

	111130301	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		106 %	50-	-150	1944004	10/29/19	10/30/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	0								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Surrogate: n-Nonane		101 %	50-	-200	1944008	10/29/19	10/30/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	50-	-150	1944004	10/29/19	10/30/19	EPA 8015D	
Anions by 300.0/9056A							-		
Chloride	179	40.0	mg/kg	2	1944025	10/30/19	10/31/19	EPA 300.0/9056A	

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Project Name:

Rosa 267-Delin

PO Box 18 Flora Vista NM, 87415 Project Number: 12035-0114 Project Manager: Larissa Farrell Reported: 10/31/19 15:04

Rosa 267 SD3 P910164-03 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %	50-	-150	1944004	10/29/19	10/30/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/O	RO								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Surrogate: n-Nonane		101 %	50-	-200	1944008	10/29/19	10/30/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.1 %	50-	-150	1944004	10/29/19	10/30/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	199	40.0	mg/kg	2	1944025	10/30/19	10/31/19	EPA 300.0/9056A	

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Project Name:

Rosa 267-Delin

PO Box 18 Flora Vista NM, 87415 Project Number: Project Manager: 12035-0114 Larissa Farrell Reported:

10/31/19 15:04

Rosa 267 SD4 P910164-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		105 %	50-	-150	1944004	10/29/19	10/30/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	0								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Surrogate: n-Nonane		101 %	50-	-200	1944008	10/29/19	10/30/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-F1D		85.3 %	50-	-150	1944004	10/29/19	10/30/19	EPA 8015D	
Anions by 300.0/9056A									
Chloride	331	40.0	mg/kg	2	1944025	10/30/19	10/31/19	EPA 300.0/9056A	

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Project Name:

Rosa 267-Delin

PO Box 18

Project Number: Project Manager: 12035-0114

Reported: 10/31/19 15:04

Flora Vista NM, 87415

Larissa Farrell

Rosa 267 SD5 P910164-05 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021						2			
Benzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-P1D		102 %	50-	150	1944004	10/29/19	10/30/19	EPA 8021B	
Nonhalogenated Organics by 8015 - DRO/OR	80								
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1944008	10/29/19	10/30/19	EPA 8015D	
Surrogate: n-Nonane		100 %	50-	200	1944008	10/29/19	10/30/19	EPA 8015D	
Nonhalogenated Organics by 8015 - GRO									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944004	10/29/19	10/30/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.9 %	50-	150	1944004	10/29/19	10/30/19	EPA 8015D	
Anions by 300.0/9056A			BOOK A						
Chloride	ND	40.0	mg/kg	2	1944025	10/30/19	10/31/19	EPA 300.0/9056A	

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Project Name:

Rosa 267-Delin

PO Box 18

Project Number:

12035-0114

Reported:

Flora Vista NM, 87415

Project Manager: Larissa Farrell

10/31/19 15:04

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

A		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Note
Batch 1944004 - Purge and Trap EPA 5030A										
Blank (1944004-BLK1)				Prepared: 1	10/29/19 0 A	Analyzed: 1	0/31/19 0		1.000	
Benzene	ND	0.0250	mg/kg							
Foluene	ND	0.0250	11							
Ethylbenzene	ND	0.0250	16							
o,m-Xylene	ND	0.0500	**							
-Xylene	ND	0.0250	**							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	8.52		"	8.00		107	50-150			
LCS (1944004-BS1)				Prepared: 1	0/29/19 0 A	nalyzed: 1	0/31/19 0			
Benzene	3.98	0.0250	mg/kg	5.00		79.5	70-130			
Foluene	4.59	0.0250	"	5.00		91.7	70-130			
thylbenzene	4.72	0.0250	**	5.00		94.3	70-130			
n,m-Xylene	9.39	0.0500	"	10.0		93.9	70-130			
-Xylene	4.74	0.0250		5.00		94.9	70-130			
fotal Xylenes	14.1	0.0250	"	15.0		94.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.52		"	8.00		107	50-150			
Matrix Spike (1944004-MS1)	Sou	rce: P910164-	01	Prepared: 1	0/29/19 0 A	nalyzed: 1	0/31/19 0			
Benzene	4.02	0.0250	mg/kg	5.00	ND	80.3	54.3-133			
oluene oluene	4.65	0.0250	"	5.00	ND	93.1	61.4-130			
Ethylbenzene	4.81	0.0250	"	5.00	ND	96.2	61.4-133			
n.m-Xylene	9.57	0.0500		10.0	ND	95.7	63.3-131			
-Xylene	4.83	0.0250		5.00	ND	96.5	63.3-131			
Total Xylenes	14.4	0.0250	**	15.0	ND	96.0	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8.62		"	8.00		108	50-150			
Matrix Spike Dup (1944004-MSD1)	Sou	rce: P910164-	01	Prepared: 1	0/29/19 0 A	nalvzed: 1	0/31/19 0			
Benzene	3.86	0.0250	mg/kg	5.00	ND	77.2	54.3-133	3.96	20	
Coluene	4.47	0.0250	"	5.00	ND	89.4	61.4-130	4.00	20	
thylbenzene	4.62	0.0250	Ħ	5.00	ND	92.5	61.4-133	3.90	20	
,m-Xylene	9.18	0.0500	"	10.0	ND	91.8	63.3-131	4.12	20	
-Xylene	4.62	0.0250	**	5.00	ND	92.5	63.3-131	4.28	20	
Total Xylenes	13.8	0.0250		15.0	ND	92.0	63.3-131	4.17	20	
jurrogate: 4-Bromochlorobenzene-PID	8.70									

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Project Name:

Rosa 267-Delin

Flora Vista NM, 87415

Project Number: Project Manager: 12035-0114 Larissa Farrell Reported:

DDD

0/ DEC

10/31/19 15:04

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

		Reporting			Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1944008 - DRO Extraction EPA 3570										
Blank (1944008-BLK1)				Prepared:	10/29/19 1 /	Analyzed: 1	0/30/19 0			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0								
Surrogate: n-Nonane	47.5		**	50.0		95.0	50-200			
LCS (1944008-BS1)				Prepared:	10/29/19 1 /	Analyzed: 1	0/30/19 0			
Diesel Range Organics (C10-C28)	496	25.0	mg/kg	500		99.3	38-132			
Surrogate: n-Nonane	50.8		"	50.0		102	50-200			
Matrix Spike (1944008-MS1)	Sour	ce: P910167-	01	Prepared: 1	10/29/19 1 /	Analyzed: 1	0/30/19 1			
Diesel Range Organics (C10-C28)	511	25.0	mg/kg	500	ND	102	38-132			
Surrogate: n-Nonane	49.4		"	50.0		98.8	50-200			
Matrix Spike Dup (1944008-MSD1)	Sour	ce: P910167-	01	Prepared:	10/29/19 1 #	Analyzed: 1	0/30/19 1			
Diesel Range Organics (C10-C28)	525	25.0	mg/kg	500	ND	105	38-132	2.61	20	
Surrogate: n-Nonane	48.7		"	50.0		97.3	50-200			

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Project Name:

Rosa 267-Delin

PO Box 18 Flora Vista NM, 87415 Project Number: Project Manager: 12035-0114 Larissa Farrell Reported: 10/31/19 15:04

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike	Source	0/ BEC	%REC	DDD	RPD	N
Analyc	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1944004 - Purge and Trap EPA 5030A										
Blank (1944004-BLK1)				Prepared: 1	10/29/19 0 /	Analyzed: 1	0/31/19 0			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-F1D	6.86		"	8.00		85.8	50-150			
LCS (1944004-BS2)				Prepared: 1	10/29/19 0 A	Analyzed: 1	0/31/19 0			
Gasoline Range Organics (C6-C10)	47.4	20.0	mg/kg	50.0		94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		"	8.00		88.8	50-150			
Matrix Spike (1944004-MS2)	Sou	rce: P910164-	01	Prepared: 1	10/29/19 0 A	Analyzed: 1	0/31/19 0			
Gasoline Range Organics (C6-C10)	46.9	20.0	mg/kg	50.0	ND	93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		"	8.00		86.4	50-150			
Matrix Spike Dup (1944004-MSD2)	Sou	rce: P910164-	01	Prepared: 1	10/29/19 0 A	Analyzed: 1	0/31/19 0			
Gasoline Range Organics (C6-C10)	45.9	20.0	mg/kg	50.0	ND	91.8	70-130	2.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		"	8.00		86.9	50-150			

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Project Name:

Rosa 267-Delin

Project Number: Project Manager: 12035-0114

Reported:

Flora Vista NM, 87415

Larissa Farrell

10/31/19 15:04

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1944025 - Anion Extraction EPA	300.0/9056A									
Blank (1944025-BLK1)				Prepared: 1	0/30/19 1	Analyzed: 1	0/31/19 0			
Chloride	ND	20.0	mg/kg							
LCS (1944025-BS1)				Prepared: 1	0/30/19 1 /	Analyzed: 1	0/31/19 0			
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1944025-MS1)	Sou	rce: P910156-	01	Prepared: 1	0/30/19 1 /	Analyzed: 1	0/31/19 0			
Chloride	303	20.0	mg/kg	250	46.8	102	80-120			
Matrix Spike Dup (1944025-MSD1)	Sou	rce: P910156-	01	Prepared: 1	0/30/19 1 /	Analyzed: 1	0/31/19 0			
Chloride	300	20.0	mg/kg	250	46.8	101	80-120	0.700	20	

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values my differ slightly.

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PO Box 18

Flora Vista NM, 87415

Project Name:

Rosa 267-Delin

Project Number: Project Manager: 12035-0114 Larissa Farrell

Reported:

10/31/19 15:04

Notes and Definitions

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

RPD

Relative Percent Difference

**

Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: Report Attention Project: ROSA 2127 - De In Project Manager: Farre II Attention:		_											of
Project Manager: (+TI w) \ Attention:		Lah	WO		ab U	se O	nly Nun	her		AT 3D	RCRA	PA Program	
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Time Date Matrix No Containers Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					Remarks	
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2:07 10/24/19 S 2 Rosa 267 5D2	2	V	V	V			V						
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Unquished by: (Signature) Date Time Received by: (Signature)	Date	7	Time			T1		°c L	<u>T2</u>			<u>T3</u>	
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te. Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be y to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for c		or disp	osed o	f at the	e client	exper	se. Th	e report fo	the anal	ysis of t	ne above sa	amples is applicable	-
envirotech Analytical Laboratory 5796 US Highway 64, Famington, NM 87401 24 Hour Emergency Response Phone (800) 362-1879	on the report.							05) 532-186			enviro	itech-inc com	je 13 of 1



