

March 20, 2015

Mr. Mike Bratcher **NMOCD District 2**

921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622

AMARILLO 811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan

Oxy Permian LTD

SDS 11 Federal #001 SWD 30-015-27627 (2RP-2859)

ARTESIA 408 West Texas Ave. Artesia, New Mexico 88210 Phone 575,746,8768 Fax 575.746.8905

Dear Mr. Bratcher,

HOBBS

318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Incident Date

MIDLAND

2901 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180 The release was discovered on February 22, 2015

Background Information

OKLAHOMA CITY 7700 North Hudson Avenue Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806.467.0622 The SDS 11 Federal 1 SWD Battery is located approximately forty (40) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 11, Township 24 South and Range 31 East in Eddy County, New Mexico. More specifically, the latitude and longitude for the release are 32.23339 North and -103.750704 West. A site plan is presented in Appendix I.

SAN ANTONIO 13111 Lookout Way San Antonio, Texas 78233 Phone 210,265,8025 Fax 210.568.2191

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service, the soil in this area is made up of Berino complex with 0 to 3 percent slopes, eroded. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Quaternary Age sedimentary deposits is comprised of alluvium and eolian sands which includes fine sandy loam under lain by sandy clay loam and hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S2-T24S-R31E. The ground water in Section 2 is reported to be at depth of 205' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is **0** based on the as following:

>1000'

ENVIRONMENTAL CONSULTING

ENGINEERING DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

Depth to ground water >100'

Distance to surface water body >1000'

Wellhead Protection Area

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

On February 22, 2015 high pressures on a pump caused the plunger packing to loosen from the over pressure causing a release of 44bbls of produced water on the SDS 11 Fed #1 location, no fluids were recovered. All of the fluid was contained within the berms of the location.

Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area. Talon also conducted a remediation on this site in November of 2013 (2RP-1704). As part of the OCD & BLM approved remediation strategy at this site a 1-foot thick clay barrier was installed at a depth of 3-feet bgs to encapsulate the remaining chloride impacted from this release. In order to preserve the integrity of the clay liner Talon personnel utilized at hand auger to vertically delineate the site to the top of the clay at a depth of 3-feet bgs. Results from our soil sampling activities are summarized in the table below.

Laboratory Results

See Appendix III for complete report of laboratory results.

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0	ND	32000	ND	ND
S-1	1	ND	3160	ND	ND
S-1	2		ND		-
S-1	3		1660		
S-2	0	ND	40000	ND	ND
S-2	1	ND	5120	ND	ND
S-2	2	Tente Haller	832		hara
S-2	3		800		
S-3	0	ND	32000	ND	ND
S-3	1	ND	3400	ND	ND
S-3	2	f- Jani 22,54 m-	1120	ND	ND
S-3	3		176		

⁽⁻⁻⁾ Analyte Not Tested

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.

⁽ND) Analyte Not Detected

Proposed Remedial Actions

- The impacted area in the vicinity of sample location S-1 will be excavated to a maximum depth of 3-feet bgs. While excavating care will be taken to protect the integrity of the clay liner.
- The impacted area in the vicinity of S-2 and S-3 will be excavated to a depth of 2-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with caliche and contoured to match the surrounding location.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

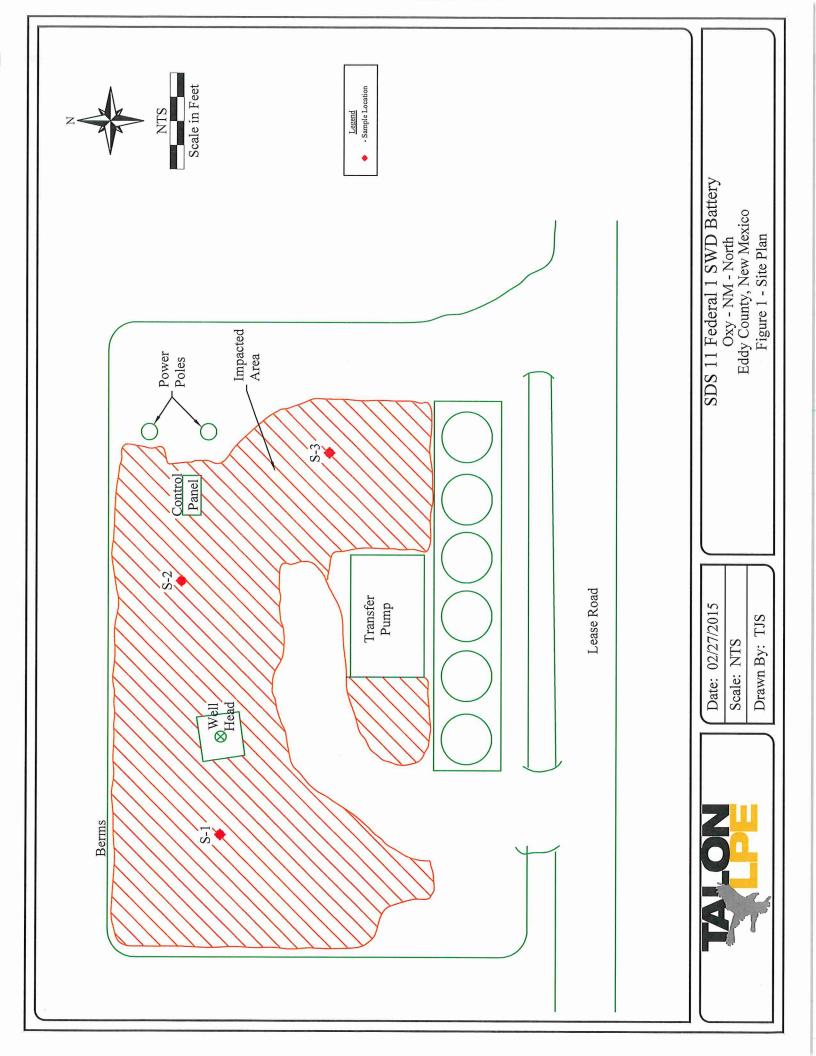
Sheldon Hitchcock

Project Manager

David J. Adkins

District Manager

SITE PLAN



GROUNDWATER DATA INITIAL C-141



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

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

C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD			-53						741		- Nick
	Sub-		QQQ							Depth	Depth	Water
POD Number	Code basin	County	64 16 4	Sec	Tws	Rng	X	Y	Distance		and the second second	Column
C 02460	С	ED	3	02	24S	31E	617496	3568022*	1529	320		
C 02460 POD2	С	ED	3	02	248	31E	617496	3568022*	1529	320		
C 02464	С	ED	3 4 1	02	24S	31E	617589	3568530*	1977	320	205	115

Average Depth to Water: 2

205 feet

Minimum Depth:

205 feet

Maximum Depth:

205 feet

Record Count: 3

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 618114

Northing (Y): 3566623

Radius: 2000

NM OIL CONSERVATION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. Finst 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

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, NM 87505

ARTESIA DISTRICT

Form C-141 Revised August 8, 2011

MAR 0 4 2015

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

RECEIVED

Release Notification and Corrective Action									
NAB150/1443259	OPERA	ror		Initia	al Report	Final Report			
Name of Company: Oxy Permian LTD (192463) [DU94									
Address: 102 S. Main St. Carlsbad, NM 88220		No.: 575-628-41	21						
Facility Name: SDS 11 Federal #1 SWD Battery	Facility Typ	e: SWD							
Surface Owner: Federal Mineral Owne	r:			API No).: Leașe #: 3	0-015-27627			
	ON OF RE	LEASE							
Unit Letter Section Township Range Feet from the Nor F 248 31E 2090' Nor	th/South Line th	Feet from the 1980.	East/\ West	West Line	County Eddy				
Latitude 32,23339 N Longitude -103,75070 W									
NATURE OF RELEASE									
Type of Release: Produced Water		Release: 44 bbls			Recovered: 01				
Source of Release: Triplex Pump failed	2/22/15	lour of Occurrenc	e	Date and 2/22/15	Hour of Disco	overý			
Was Immediate Notice Given? ☐ Yes ☑ No ☐ Not Require	If YES, To	Whom?				Name of the state			
By Whom? Date and Hour:									
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Vo	If YES, Volume Impacting the Watercourse.							
If a Watercourse was Impacted, Describe Fully.*									
Describe Cause of Problem and Remedial Action Taken.* High propressure causing a release of 44 bbls of produced water inside the	e facility. No i	luids were recov							
Talon/LPE was contracted to perform an initial site assessment and Describe Area Affected and Cleanup Action Taken.* The release res			n the lo	eation.		- · · · · · · · · · · · · · · · · · · ·			
I hereby certify that the information given above is true and complete t regulations all operators are required to report and/or file certain releas public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	o the best of my e notifications a the NMOCD m liate contaminat	knowledge and u nd perform correc arked as "Final R ion that pose a thr re the operator of	ndersta etive act eport" (eat to g respons	nd that pur ions for rel loes not rel round wate ibility for c	leases which n lieve the opera r, surface wat compliance wi	nay endanger ttor of liability er, human health th any other			
Chris Jones (Digitally signed by Chris Jones Option		OIL CON	SERV	ATION //	DIVISIO)			
Printed Name: Chris Jones	Approved by	Environmental S	pecialis	at:	h				
Title: HES Specialist	Approval Da	te: 3/5/15		Expiration	Date: N	7			
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:								
	remediation	per O.C.D. R	lules	& Guide	lines	***************************************			
* Attach Additional Sheets If Necessary	ATER THAI	HEDIATION B	16	 USAL NO	24	3P-2859			

LABORATORY RESULTS



March 06, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SDS 11 FED #1 SWD (#2)

Enclosed are the results of analyses for samples received by the laboratory on 03/03/15 7:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: Reported:

Project Name:

03/03/2015

03/06/2015

03/06/2015 SDS 11 FED #1 SWD (#2)

Project Number: Project Location: 700608.417.01

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact

02/26/2015

Soil

Mike Snyder

Sample ID: S-1 0' (H500581-01)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.04	102	2.00	1.08	
Toluene*	0.055	0.050	03/05/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	87.3 9	% 61-154							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	180	90.0	200	1.71	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	175	87.5	200	5.84	
Surrogate: 1-Chlorooctane	87.1 9	% 47.2-15°	7						
Surrogate: 1-Chlorooctadecane	88.9 9	6 52.1-170	6						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

03/03/2015

Sampling Date:

02/26/2015

Reported:

03/06/2015

Sampling Type:

Soil

SDS 11 FED #1 SWD (#2)

Sampling Condition:

Cool & Intact

Project Name: Project Number:

700608.417.01

Project Location:

NOT GIVEN

Sample Received By:

Mike Snyder

Sample ID: S-1 1' (H500581-02)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/05/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	84.5	% 61-154							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	180	90.0	200	1.71	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	175	87.5	200	5.84	
Surrogate: 1-Chlorooctane	79.4	% 47.2-157	7				——————————————————————————————————————		

Sample ID: S-1 2' (H500581-03)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/03/2015	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celeg & Keine



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:

03/03/2015

Reported:

03/06/2015

Project Name:

SDS 11 FED #1 SWD (#2)

Project Number: Project Location: 700608.417.01

NOT GIVEN

Sampling Date:

02/26/2015

Sampling Type:

Soil

400

Sampling Condition: Sample Received By: Cool & Intact

Mike Snyder

Sample ID: S-1 3' (H500581-04)

Chloride, SM4500Cl-B

Chloride

mg/kg

1660

Analyzed By: AP

Analyte

Reporting Limit Result

16.0

Analyzed 03/03/2015 Method Blank ND

BS % Recovery 416 104

True Value QC

RPD 0.00 Qualifier

Sample ID: S-2 0' (H500581-05)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	0.056	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Summarata (Duana duana la mara (D)	IF 05.1	0/ /1.15	,						

Surrogate: 4-Bromojtuorobenzene (P1L	83.1	% 01-134							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40000	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	180	90.0	200	1.71	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	175	87.5	200	5.84	

Surrogate: 1-Chlorooctane

74.4 %

47.2-157

Surrogate: 1-Chlorooctadecane

77.0 %

52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celeg & treens



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

03/03/2015

Reported:

03/06/2015

Project Name: Project Number: SDS 11 FED #1 SWD (#2)

700608.417.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sample Received By:

02/26/2015

Sampling Condition:

Soil Cool & Intact

Mike Snyder

Sample ID: S-2 1' (H500581-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	82.4 %	61-154	!					-	
Chloride, SM4500CI-B	mg/	mg/kg		d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	180	90.0	200	1.71	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	175	87.5	200	5.84	
Surrogate: 1-Chlorooctane	77.4 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	79.1 %	6 52.1-17	6						

Sample ID: S-2 2' (H500581-07)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	03/03/2015	ND	416	104	400	0.00	

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*=Accredited Analyte

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Celeg D. Keene



TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905 Fax To:

Received:

Reported:

03/06/2015

Project Name:

SDS 11 FED #1 SWD (#2)

Project Number:

700608,417,01 Project Location: NOT GIVEN

03/03/2015

Sampling Date:

02/26/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Mike Snyder

Sample ID: S-2 3' (H500581-08)

Chloride, SM4500CI-B

Chloride

mg/kg

800

Analyzed By: AP

Analyte

Reporting Limit Result

16.0

Analyzed 03/03/2015 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

Qualifier

RPD

0.00

Sample ID: S-3 0' (H500581-09)

mg/kg		Analyzed By: ms						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
0.078	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
<0.300	0.300	03/05/2015	ND					
	Result <0.050 0.078 <0.050 <0.150	Result Reporting Limit <0.050 0.050 0.078 0.050 <0.050 0.050 <0.150 0.150	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

Surrogate: 4-Bromofluorobenzene (PID

82.9 % mg/kg 61-154

Chloride, SM4500CI-B							
Analyte							
Chloride							

Analyzed	By:	AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32000	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	180	90.0	200	1.71	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	175	87.5	200	5.84	

Surrogate: 1-Chlorooctane

80.0 %

47.2-157

Surrogate: 1-Chlorooctadecane

81.6%

52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kreene



TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

03/03/2015

Sampling Date:

02/26/2015

Reported:

03/06/2015

Sampling Type:

Soil

Project Name:

SDS 11 FED #1 SWD (#2)

Sampling Condition:

Cool & Intact

Project Number:

700608.417.01

Sample Received By:

Mike Snyder

Project Location:

NOT GIVEN

Sample ID: S-3 1' (H500581-10)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Toluene*	<0.050	0.050	03/05/2015	ND	1.81	90.3	2.00	6.73	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.02	101	2.00	6.87	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.41	90.1	6.00	7.35	
Total BTEX	<0.300	0.300	03/05/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	82.4	% 61-154	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	03/03/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/03/2015	ND	180	90.0	200	1.71	
DRO >C10-C28	<10.0	10.0	03/03/2015	ND	175	87.5	200	5.84	
Surrogate: 1-Chlorooctane	73.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	74.4	% 52.1-17	6						

Sample ID: S-3 2' (H500581-11)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	03/03/2015	ND	416	104	400	0.00	

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Celey D. Keine



TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

03/03/2015

Sampling Date:

02/26/2015

Reported:

03/06/2015

Sampling Type:

Soil

Project Name: Project Number: SDS 11 FED #1 SWD (#2) 700608.417.01

Sampling Condition:

Cool & Intact

Project Location:

NOT GIVEN

Sample Received By:

Mike Snyder

Sample ID: S-3 3' (H500581-12)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/03/2015	ND	416	104	400	0.00	

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Celey D. Keine



ND

Notes and Definitions

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Analyte NOT DETECTED at or above the reporting limit

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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Tologia DE			
ו מוטוו/רדת	$ \mathcal{S} = \mathcal{S} \mathcal{S} $		ANALYSIS REQUEST
Project Manager: D. Adkins	P.O. #:		- 1
Address: 408 W. Texas Ave.	Company: Ovy		
City: Artesia state: NM zip: 88210	Attn:		
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:		
Project #: 700608.417.01 Project Owner: Oxv	City:		
Project Name: SDS 11 Fed 1 SWD (#2)	State: Zip:		
Project Location:	#		
Sampler Name: S. Hitchcock	1		
	FdX#.		
FOR LAB USE ONLY	RIX PRESERV. SAMPLING		
RS TER		es	
TAINE NDWA	ASE: OOL		
(G)RAE # CON GROUI	DIL SLUDG DTHER ACID/B CE / CO DTHER	TPI BTI Chl	
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026-11,		1	
S 5-12, G11 1/	4:27		
045-13, 611 1/	,) 0,24		
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045-21,	1/10 01/4/		
07 5-22, 611 7	\$ 5		
SR 5-23, GI	4:50		
3 5-30,	18.00		
05-3	1015-31 G 1 // //		

Sampler - UPS - Bus - Other: Relinquished By: Delivered By: (Circle One) Time: Time: Received By: Sample Condition Cool Intact Yes Yes No No CHECKED BY: (Initials) Ele: 2019

OP: 56249847

☐ Yes ☐ No Add'l Phone #:
☐ Yes ☐ No Add'l Fax #:

Tsk: 01040502

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Page 10 of 11



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE		10 J = 1 / E	ANALYSIS REQUEST
Project Manager: D. Adkins		P.O. #:	
Address: 408 W. Texas Ave.		Company: Oxv	
city: Artesia state: NM	State: NM zip: 88210		
-746-8768 F	746-8905	Address:	
Project #: 700608.417.01 Project Owner: OXV	:OxV	City:	
Project Name: SDS 11 Fed 1 SWD (#2)	•	State: Zip:	
Project Location:		Phone #:	
Sampler Name: S. Hitchcock		Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	WATER		X
H500581-	# CON	OTHER ACID/B ICE / C OTHER DATE TIME	TPI BT Ch
115-32	611	11:01 5/26/12 /	
26-33	611	1/24/5/10:13	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or for, shall be limited to the am	ly claim arising whether based in contra	of or fort shall be limited to the amount paid by the client of	

recesse must it usonly and unmages. Contrains liability and client's exclusive remedy for any claim arising whether based in contract or torf, shall be limited to the amount paid by the client for the analyses. All claims including those for repligence and any other cause whatsoever shall be decemed waived unless made in writing and received by Contrain within 30 days after completion of the applicable service. In no event shall Cartiful to liable for includental or consequential damages, including without inflation, business interruptions, lose of use, or loss of profits incurred by client, its subsidiaries, inflating without inflation, business interruptions, lose of use, or loss of profits incurred by client, its subsidiaries, and inflation is successors at shall go out of or related to the performance of services hereunder by Cartifual, regardless of whether such claim is based upon any of the above stated resonance or otherwise.

	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Total of the latter and the latter a	TO ST ST ST ST
remiquistied by:	Dare:	Received By:	Phone Result: ☐ Yes ☐ No Add'I Phone #:
	CHICAC		Fax Result:
Dollar Hierry	イド	/ With	REMARKS:
Refinquished By:	Date:	Received By:	OP: 56249847
	Time:		Tsk: 01040502
Delivered By: (Circle One)		Sample Condition CHECKED BY:	Ele: 2019
Sampler - UPS - Bus - Other:		XYes XYes	04