

October 7, 2013

Mr. Jim Amos

#### BUREAU of LAND MANAGEMENT

AMARILLO 921 North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

**ARTESIA** 

620 E Green St. Carlsbad, NM 88220

Subject:

Remedial Activities and Closure Report

Oxy Permian, LTD
McKittrick 11 #5 SWD

408 West Texas Ave. Artesia, New Mexico 882I0 Phone 575.746.8768

Fax 575.746.8905

Dear Mr. Amos,

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 initial spill response, soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

RECEIVED

NOV **01** 2013

NMOCD ARTESIA

#### **Incident Date**

MIDLAND 290I State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180 The release was discovered by Oxy Personnel on February 20, 2013

# **Background Information**

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73II6 Phone 405.486.7030 Fax 806.467.0622 The McKittrick 11 #5 SWD is located approximately twenty-two (22) miles nborthwest of Carlsbad, New Mexico. The legal location for the site is Unit Letter L, Section 11, Township 22 South, Range 24 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.40989 North -104.47355 West.

SAN ANTONIO II Commercial Place Schertz, Texas 78!54 Phone 2!0.265.8025 Fax 2!0.568.2!9! According to the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of the Queen and Grayburg Formation (Guadalupian) consisting of gypsum, anhydrite, salt, dolomite, and siltstone. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 100-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. The referenced groundwater data is presented in Appendix II.

>1000°

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

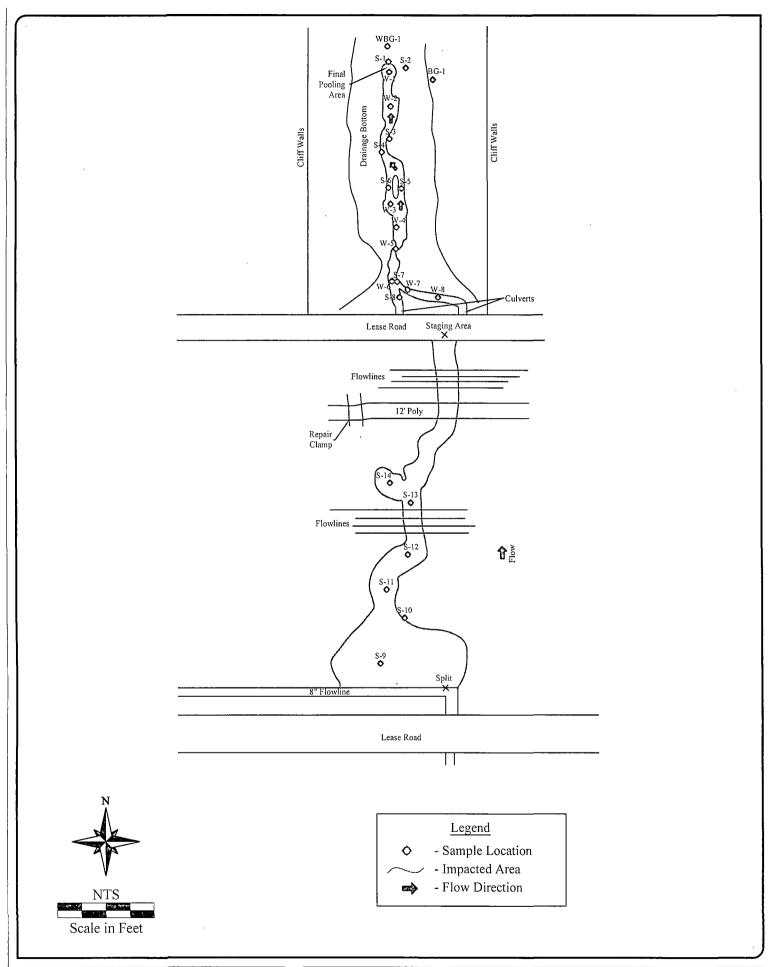
Depth to ground water >100'
Wellhead Protection Area >1000'

Distance to surface water body

ENVIRONMENTAL CONSULTING ENGINEERING DRILLING

CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

Toll Free: 866.742.0742 www.talonlpe.com





Date: 03/08/2013

Scale: NTS

Drawn By: TJS

McKittrick 11 #5 SWD Oxy USA Eddy County, New Mexico Figure 1 - Site Plan



# 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,

(quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is (quarters are smallest to largest) closed)

(NAD83 UTM in meters)

(In feet)

POD QQQ

Depth Depth Water Well Water Column

**POD Number** 

Code Subbasin County 64 16 4 Sec Tws Rng

C 02351

3 2 2 15 22S 24E

548817 3584393\*

724 120 100

724 120

20

C 02384

3 2 2 15 22S 24E

3584393\* 548817

100 20

Average Depth to Water:

Y Distance

100 feet

Minimum Depth:

100 feet

Maximum Depth:

100 feet

**Record Count: 2** 

UTMNAD83 Radius Search (in meters):

Easting (X): 549217

Northing (Y): 3584997

Radius: 2000



February 25, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MC KITTRICK 11 #5 SWD

Enclosed are the results of analyses for samples received by the laboratory on 02/21/13 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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.

aleg & 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

Analyzed By: DW

Received:

Chloride, SM4500CI-B

02/21/2013

Reported: Project Name:

02/25/2013

MC KITTRICK 11 #5 SWD

Project Number:

NONE GIVEN

mg/L

1260

4.00

02/25/2013

Project Location:

NOT GIVEN

Sampling Date:

02/20/2013

Sampling Type: Wa

Water

Sampling Condition:

108

108

100

Cool & Intact

Sample Received By:

Jodi Henson

# Sample ID: W/BG - 1 (H300478-01)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	20.0	4.00	02/25/2013	ND	432	108	400	0.00	
Sample ID: W - 1 (H3004)	78-02)								
Chloride, SM4500Cl-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1260	4.00	02/25/2013	ND	108	108	100	0.00	
Sample ID: W - 2 (H3004)	78-03)								
Chloride, SM4500CI-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1360	4.00	02/25/2013	ND	108	108	100	0.00	
Sample ID: W - 3 (H3004)	78-04)								
Chloride, SM4500Cl-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

#### Cardinal Laboratories

Chloride\*

\*=Accredited Analyte

0.00

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Client, its suddients, affiliates or successors arising out of or related upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keene



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

Fax To:

(575) 745-8905

Received:

02/21/2013

Reported:

02/25/2013

Project Name:

MC KITTRICK 11 #5 SWD

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Water

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: W - 4 (H300478-05)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1220	4.00	02/25/2013	ND	108	108	100	0.00	
Sample ID: W - 5 (H30047	78-06)								
Chloride, SM4500CI-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1130	4.00	02/25/2013	ND	108	108	100	0.00	
Sample ID: W - 6 (H30047	78-07)								
Chloride, SM4500Cl-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1230	4.00	02/25/2013	ND	108	108	100	0.00	
Sample ID: W - 7 (H30047	78-08)								
Chloride, SM4500Cl-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1120	4.00	02/25/2013	ND	108	108	100	0.00	
Sample ID: W - 8 (H30047	<b>7</b> 8-09)								
Chloride, SM4500CI-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

#### Cardinal Laboratories

Chloride\*

\*=Accredited Analyte

0.00

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any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be iount paid by client for analyses. All claims, including those for negligence and In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profis incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

ND

108

108

100

02/25/2013

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

1200

4.00



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

Fax To:

(575) 745-8905

Received:

02/21/2013

Sampling Date:

02/20/2013

Reported:

Sampling Type:

Water

02/25/2013

Project Name:

MC KITTRICK 11 #5 SWD

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

# Sample ID: W - 9 (H300478-10)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1180	4.00	02/25/2013	ND	108	108	100	0.00	

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keena



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2478

	(575) 393-2326 FAX (575) 393-2478	·		
Company Name	Talen/LPE		BILL TO	ANALYSIS REQUEST
Project Manager	D. AARINS		₽.0. ≅:	
	GU. TEXAS AVC		Company: Tallah	
City: A 1 + = 5 }	a State: N M	Zip: 88210	Attn:	
Phone#: 육 7동	-746-8768 Fax#: 1		Address:	
Project #:	Project Owner	:	City:	
Project Name: N	NORTH TER 11 # 5 SWD		State: Zip:	7/2/2
Project Location	•		Phone #:	
Sampler Name:	Sheldon Hitchcock		Fax #:	
FOR LASIUSE ONLY		MATRIX	PRESERV SAMPLING	
Lab I.D. H300479	Sample I.D.	IGNAAB OR (C)OMI IR CONTAINERS GROUNDWATER WASTEWATER SOIL OII.	OTHER: ACIDIDASE: ICE / COOL OTHER: ANII	
1	W/B6-1	6111	1 2-20-13 2130y	
	₩-2 ₩-3	6-11	2-201312132	
3	U·2	6 1	1 2-20-13 2:33	
		6 1	1/ 1 1-20-13 21.39	
	W-4	6 1 -	12-20-13/21.36	
<u> </u>	W-5	5-1	1/ 1 2-20-1312 : 38	
	W-6	61111	1 2-20-1) 2140	
	<i>V</i> −7	6 1 1 1 1	1/ 1 2.20 1) 121,42	
9	W-8	5-11	1 22013/2/44	
IĐ	W - 9	011111	1 22002147	
	nd Damages. Cardinal's liability and client's exclusive remedy for a		of or torushad by Cardinal within 30 days after completion of it	

PLEASE NOTE: Listing and Damages. Carding's stading and dients exclusive remery for any client asking wheres asset in contract or tor, shall be limited to the amount paid by the elern for the analyses. All column including those for negligence and my other cause whatsperses shall be deemed whive further within and the completion of the applicable service. In ne event shall cardinal be liable for indicability carried by client, its autobidities.

Torrison, the evertainty of them to make the properties of const	refresting among each company attribute in tracers, and action to the tracers, and a part of the company attribute at	, marketing and the state of th
affiliates or successors arising out of or related to the performance	e of services hereunder by Condigal, repartless of whether such claim is based upon any of the above stated :	aasons or otherwise.
Relinguished By:	Date: Received By:	Phone Result: ☐ Yes ☐ No (Add'I Phone #:
	2-21-11	Fax Result:   Yes C No  Add'  Fax #:
	Time:	PEMARKS TILLY A G. C.
Qladal. No	1"" 41 22 m de (50 JPD) . D.	REMARKS: PITHER PLISH
Thorax Macrosec-	1	
Relinquished By:	Datanilum Received By:	
	12100119 10 A W	4
ma. Colonolisal		4
mas shill fill	10,45 Well Sterley	1
Delivered By: (Circle One)	Sample Condition CHECKED BY:	-
	Coo! Intact (Intais)	
Sampler - UPS - Bus - Other:	5 5 Cool Intect (Arisis)	
demplet - cr 5 - bus - Outer.		4
	The state of the s	

<sup>†</sup> Cardina\cannot accept verbal changes. Please fax written changes to 506-393-2476



February 27, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: MC KITTRICK 11 #5 SWD

Enclosed are the results of analyses for samples received by the laboratory on 02/21/13 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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 & 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:

02/21/2013

Sampling Date:

02/20/2013

Reported:

02/27/2013

Sampling Type:

Soil Cool & Intact

Project Name: Project Number: MC KITTRICK 11 #5 SWD

Sampling Condition: Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN NOT GIVEN

Sample ID: BG - 1 (H300477-01)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	< 0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	110 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/25/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					<u></u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	89.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 9	% 63.6-15	4						

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Ulability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, methods (imitation, business interruptions, loss of use, or loss of profits incurred by Client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This reproduced except in full with written approval of Cardinal Luboratories.

Celey D. Keine



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

Received:

02/21/2013

Reported:

02/27/2013

Project Name:

MC KITTRICK 11 #5 SWD

Project Number: Project Location:

per: NONE GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By: Jodi Henson

Sample ID: S - 1 (H300477-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/25/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS	<del></del>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	85.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 %	63.6-15	4						

#### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, a shall be a shall be considered by Cardinal, regardless of whether such claims is based unless on any of the applicable service. Results relate only to the samples identified above. This report shall not be reproduced except in full with written appropriate if cardinal laboratories.

Celeg D. Keine



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

Received:

02/21/2013

02/27/2013

Reported: Project Name:

MC KITTRICK 11 #5 SWD

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: S - 2 (H300477-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	< 0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	85.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 9	63.6-15	4						

#### Cardinal Laboratories

\*=Accredited Analyte

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Celeg & Keene



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

Received:

02/21/2013

Reported:

02/27/2013

Project Name: Project Number: MC KITTRICK 11 #5 SWD

Project Location:

NONE GIVEN NOT GIVEN \_

Sampling Date:

02/20/2013

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: S - 3 (H300477-04)

BTEX 8021B	mg/	'kg	Analyze	d By: AP			<del>- 4 </del>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					<u>-</u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	93.6	% 65.2-14	0	-					
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

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Celey D. Keene



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

Received:

02/21/2013

Reported:

02/27/2013

Project Name: Project Number: MC KITTRICK 11 #5 SWD

Project Location:

NONE GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

# Sample ID: S - 4 (H300477-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6					*	
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	89.7	% 65.2-14	0						· · · · · · · · · · · · · · · · · · ·
Surrogate: 1-Chlorooctadecane	103 9	63.6-15	4						

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02/21/2013

NONE GIVEN

Reported: 02/27/2013

Project Name: MC KITTRICK 11 #5 SWD

Project Number:

Received:

Project Location: NOT GIVEN Sampling Date:

02/20/2013

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By:

Jodi Henson

Sample ID: S - 5 (H300477-06)

BTEX 8021B	mg/	/kg	Analyze	d By: AP			<u></u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0		-				
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

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Received:

02/21/2013

Sampling Date: Sampling Type: 02/20/2013

Reported:

02/27/2013

Sampling Condition:

Soil

Project Name:

MC KITTRICK 11 #5 SWD

Sample Received By:

Cool & Intact Jodi Henson

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample ID: S - 6 (H300477-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	85.99	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101 %	63.6-15	4						

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Received:

02/21/2013

Sampling Date:

02/20/2013

Reported:

02/27/2013

Sampling Type:

Soil

Project Name:

MC KITTRICK 11 #5 SWD

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: S - 7 (H300477-08)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013 ND		2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	· <10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	88.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103 9	63.6-15	4						

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Received:

02/21/2013

Reported:

02/27/2013

Project Name:

MC KITTRICK 11 #5 SWD

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S - 8 (H300477-09)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	84.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	% 63.6-15	4						

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

Received:

02/21/2013

Reported:

02/27/2013

Project Name: Project Number: MC KITTRICK 11 #5 SWD

Project Location:

NONE GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: S - 9 (H300477-10)

BTEX 8021B	mg/	kg	Analyzed By: AP			<del></del>			S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.418	0.050	02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<b>4.16</b> 0.050		02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<b>1.27</b> 0.050		02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<b>15.9</b> 0.150		02/25/2013	2013 ND 7.0		117	6.00	3.37	
Total BTEX	21.7	0.300	02/25/2013 .	ND					
Surrogate: 4-Bromofluorobenzene (PIC	208 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/25/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS			···		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	339	10.0	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	3230	10.0	02/26/2013	ND	178	88.8	200	14.1	
Surrogate: 1-Chlorooctane	116 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	169 %	63.6-15	4						

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Received: Reported: 02/21/2013

02/27/2013

Project Name:

MC KITTRICK 11 #5 SWD

Project Number: Project Location: NONE GIVEN

NOT GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Sample ID: S - 10 (H300477-11)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		02/25/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050 0.050		02/25/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/25/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/25/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1169	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	177	88.3	200	12.4	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	161	80.7	200	15.8	
Surrogate: 1-Chlorooctane	83.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101 9	% 63.6-15	4						

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Fax To:

(575) 745-8905

Received:

BTEX 8021B

02/21/2013

Sampling Date:

02/20/2013

Reported:

02/27/2013

Sampling Type:

Soil

Project Name:

MC KITTRICK 11 #5 SWD

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Jodi Henson

Sample ID: S - 11 (H300477-12)

NONE GIVEN

mg/kg

Project Location: NOT GIVEN

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.067	0.050	02/27/2013	ND	2.25	113	2.00	3.27	
Toluene*	0.682	0.050	02/27/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	0.125	0.050	02/27/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	1.82	0.150	02/27/2013	ND	7.03	117	6.00	3.37	
Total BTEX	2.69	0.300	02/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125 %	6 89.4-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Analyzed By: AP

Analyte	Result Reporting Limit Analyzed Method Blank BS		BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<b>128</b> 16		02/25/2013 ND		416	104	400	3.77	
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	52.8	10.0	02/26/2013	ND	177	88.3	200	12.4	
DRO >C10-C28	1110	10.0	02/26/2013	ND	161	80.7	200	15.8	
		0/ // // //							

Surrogate: 1-Chlorooctane

77.3 %

65.2-140

Surrogate: 1-Chlorooctadecane

117%

63.6-154

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

Fax To:

(575) 745-8905

Received:

02/21/2013

Sampling Date:

02/20/2013

Reported:

02/27/2013

Sampling Type:

Soil

Project Name:

MC KITTRICK 11 #5 SWD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

#### Sample ID: S - 12 (H300477-13)

BTEX 8021B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/26/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/26/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/26/2013	2013 ND		117	6.00	3.37	
Total BTEX	<0.300	0.300	02/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	114 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/26/2013	ND	177	88.3	200	12.4	
DRO >C10-C28	<10.0	10.0	02/26/2013	ND	161	80.7	200	15.8	
Surrogate: 1-Chlorooctane	77.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.0	% 63.6-15	4						

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

Received:

02/21/2013

Reported:

02/27/2013

Project Name:

MC KITTRICK 11 #5 SWD

Project Number: Project Location: NONE GIVEN

Sampling Date:

02/20/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

# Sample ID: S - 13 (H300477-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2013	ND	2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/27/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/27/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	< 0.150	0.150	02/27/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/27/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	112 %	6 89.4 <b>-</b> 12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: DW			·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/25/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS	_	· · · · · · · · · · · · · · · · · · ·		<u></u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2013	ND	177	88.3	200	12.4	
DRQ >C10-C28	<10.0	10.0	02/26/2013	ND	161	80.7	200	15.8	
Surrogate: 1-Chlorooctane	66.2 5	% 65.2-14	0	,					
Surrogate: 1-Chlorooctadecane	78.0	63.6-15	4						

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Celey D. Kreene



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

Received:

02/21/2013

Sampling Date:

02/20/2013

Reported:

02/27/2013

Sampling Type:

Soil

Project Name:

MC KITTRICK 11 #5 SWD

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S - 14 (H300477-15)

BTEX 8021B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2013 ND		2.25	113	2.00	3.27	
Toluene*	<0.050	0.050	02/26/2013	ND	2.29	115	2.00	0.454	
Ethylbenzene*	<0.050	0.050	02/26/2013	ND	2.26	113	2.00	1.32	
Total Xylenes*	<0.150	0.150	02/26/2013	ND	7.03	117	6.00	3.37	
Total BTEX	<0.300	0.300	02/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	113 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg ·	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/25/2013	ND	416	104	400	3.77	
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	02/27/2013	ND	215	108	200	1.75	
DRO >C10-C28	<10.0	10.0	02/27/2013	ND	212	106	200	1.51	
Surrogate: 1-Chlorooctane	89.5 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 %	63.6-15	4						

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Celey & Kune



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

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

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Celeg D. Keene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88248 (575) 393-2326 FAX (575) 393-2476

Company Name: Talov1/レア臣					BILL TO					ANAL	YSIS	RE	QUE	ST						
Project Manage	"D. Harins					.O. #;														
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City: Artesi	State: ₩ M	Zip:	86	210	A.	ttn:														
Phone #: 475	-746-8768 Fax#: 1				Α	ddress	<u>.</u>				ĺ									
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Sampler Name:	sampler Name: Sheldon Hitchicock					2)(#:				i	5						1			
FOR LAB USE ONLY			-	MATR	X	PRES	ERV.	SAMPLI	1G	,	,	3					į			
Lab I.D. <i>H30</i> 0477	Sample I.D.		# CONTAINERS	WASTEWATER SOIL	SLUDGE OTHER	ACID/BASE:	OTHER:	DATE	TIME	SOIL R.	800 12									
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Sampler - UPS	- Bus - Other:	5,5	200	Cool int	Yes No	:	4	界										, marquina	<b></b>	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-293-2076



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	TAION/LPE	The same of the sa	BILL TO	ANALYSIS REQUEST
Project Manage	"D. Adring		P.O. #:	
	GU. TEXAS AVC		Company: Tailon	
City: Art=61	g[ State: N îv∖	Zip: 88210	Atin:	
Phone#: 닭 7명	-746-8769 Fax#: 1		Address:	
Project#:	Project Owner	:	City:	
Project Name: /	NORTHFICK 11 # 5 SWD		State: Zip:	
Project Location	1:		Phone #:	
Sampler Name:	Sheldon Hitchcock		Fax #:	
Lab I.D.  H36 (177)  II  IZ.  IY  IS	Sample I.D.  9-10  9-11  5-12  5-13  5-14	(C)OMP. (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. (G)ROUNDWATER (G)ROUNDWATER (G)ROUNDWATER (G)ROUNDWATER (G)	PRESERV SAMPLING    1	
PLEASE NOTE: Lianvilly on	d Damages. Cardinal's liability and elient's exclusive remedy for s	ny clain: arising whother based in contra-	I or ton, shall be limited to the athough paid by the clie	ien (critie
analyses. All claims includin service. In no event shall Ca	ig those for negligence and any other cause whalsoever shall be o ordinal be liable for incidental or consequental damages, including	leemed walvesi unless made in willing op without limitation, business interruptions	d received by Cardinal within 30 days after completion loss of use, or loss of profits incurred by client, its sui-	on of the applicable ubsidiarise,
Relinquished By	no out of or related to the performance of services hereunder by C	ardinal, renardless of whether such claim   Received By:	Phone	e Result: □ Yes □ No  AddI Phone #:
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mue Sace Delivered By:	Circle One)	Sample Condition	ion CHECKED BY:	
Sampler - UPS		5,50 Cool Intact	s (freeds)	