

November 12, 2015

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607 Fax 806.467.0622 Ms. Heather Patterson **NMOCD District 2** 811 S. 1st Street Artesia, NM 88210

ARTESIA 408 West Texas Ave Artesia, New Mexico 88210 Phone 575.746.8768

Soil Assessment and Remediation Work Plan Subject:

Gibson Energy, LLC COG-SRO St. Com #043H 30-015-41141

Fax 575.748.8905

Dear Ms. Patterson

HOBBS 318 East Taylor Street Hobbs, New Mexico 88241 Phone 505.393.4261 Fax 505.393.4658

Gibson Energy, LLC (Gibson) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the Concho Resources SRO St. Com #043H. The results of our soil assessment and proposed remediation activities consist of the following.

MIDI AND 2901 State Highway 349 Midland, Texas 79706 Phone 432,522,2133 Fax 432.522.2180

Background Information

OKLAHOMA CITY 430 West Wilshire, Suite 10 Oklahoma City, Oklahoma 73116 Phone 405 486 7030 Fax 806.467.0622 The SRO St. Com #043H is located approximately thirty-three (33) miles south of Carlsbad, New Mexico. The legal location for this site is Unit Letter D, Section 17, Township 26 South and Range 28 East. More specifically the latitude and longitude for this site are 32.0492096 North and -104.1149597 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 Natural Resources Conservation Service, the soil in this area is made up of the Reagan-Upton association with 0 to 9 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is comprised of the Rustler Formation siltstone, gypsum, sandstone and dolomite. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 120-feet below ground surface (bgs) according to the New Mexico Office of the State Engineer. Appendix II.

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

>100' Depth to ground water Wellhead Protection Area >1000° Distance to surface water body >1000°

ENVIRONMENTAL CONSULTING ENGINEERING DRILLING CONSTRUCTION SPILL MANAGEMENT GENERAL CONTRACTING

> Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

Human error caused an oil hauling truck to overfill resulting in a release of approximately 9bbls of crude oil. All of the oil was contained to the SRO #43 location and measured approximately 50' by 60 feet. A vacuum truck was utilized to recover approximately 5bbls of standing fluid. An organic oil sorbent was utilized to further stabilize the surface of the impacted area to protect against movement should a precipitation event occur in the area.

Talon mobilized personnel to conduct a site assessment and soil sampling within the impacted area utilizing a backhoe. Grab soil samples were taken to a depth of 3-feet bgs within the impacted area and surface samples were taken to horizontally delineate the area. Field titration of the soil samples for total chlorides was carried out to guide the sampling process.

Laboratory Results

See Appendix IV for complete report of laboratory results.

Sample ID	Depth (feet)	Benzene (mg/kg)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO/DRO
S-1	0	20.7	416	112	5850
S-1	1	0.63	28.1	816	856
S-1	2	0.09	1.19	64	ND
S-1	3	ND	ND	ND	ND
S-2	0	3.49	149	1520	8300
S-2	1	247	1820	672	35700
S-2	2	0.95	7.97	ND	17.3
S-2	3	0.08	ND	ND	ND
S-3	0	26.7	383	272	9350
S-3	1	0.09	ND	256	16.9
S-3	2	0.05	ND	32	10.4
S-3	3	ND	ND	96	ND
S-4	0	ND	ND	416	33.1
S-5	0	ND	ND	832	229
S-6	0	ND	ND	336	245
S-7	0	ND	ND	1010	320

(ND) Analyte Not Detected

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.

Proposed Remedial Actions

- The impacted area in the vicinity of sample locations S-1 and S-3 will be excavated to a depth of 1-foot bgs.
- The impacted area in the vicinity of sample location S-2 will be excavated to a depth of 2-feet bgs.
- The impacted area gravel inside of the LACT Unit fence will be hand-excavated to prevent damage to the infrastructure.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavated area inside of the LACT Unit fence will be backfilled with gravel.
- The excavated area on location 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,

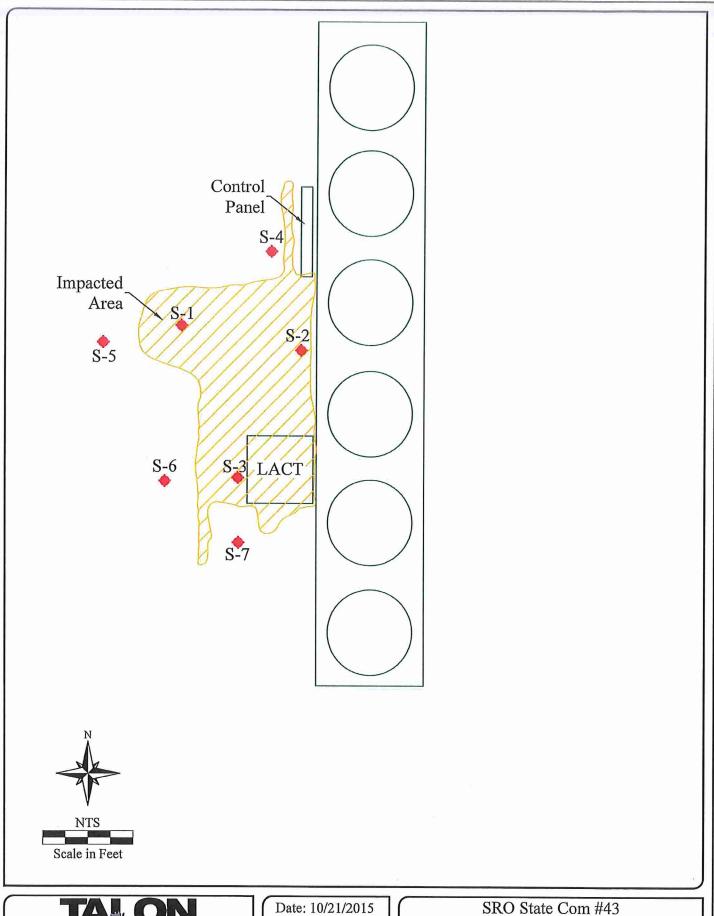
Sheldon Hitchcock

Project Manager

David J. Adkins

District Manager

SITE PLAN





Scale: NTS

Drawn By: TJS

SRO State Com #43 Gibson Energy LLC Eddy County, New Mexico Figure 1 - Site Plan

GROUNDWATER DATA



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)

THE RESERVE OF THE PARTY OF THE						_							
	POD												
	Sub-		QQ	Q							Depth	Depth	Water
POD Number	Code basin	County	64 16	4	Sec	Tws	Rng	X	Υ	Distance		Participation of the last of t	Column
C 02475	CUB	ED	2	4	13	26S	27E	581450	3545252* 🌑	2174	100		
C 02478	CUB	ED	2	1	05	268	28E	583848	3549325* 🌑	3268	100		
C 02476	CUB	ED	4	1	24	26S	27E	580653	3544032* 🌑	3474	150		
C 02160 S7		ED	3 3	1	22	26 S	28E	586638	3543998*	3797	300	120	180

Average Depth to Water:

120 feet

Minimum Depth:

120 feet

Maximum Depth:

120 feet

Record Count: 4

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 583461

Northing (Y): 3546079

Radius: 4000

*UTM location was derived from PLSS - see Help

INITIAL C-141

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

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141 Revised August 8, 2011

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

			Rele	ease Notific	atioi	and Co	rrective A	ction	l			
						OPERAT	ΓOR			l Report	П	Final Report
Name of Co	mpany: C	OG Operati	ng LLC				bert McNeill			F		z cep sit
Address: 60	0 West Illi	nois Avenue	, Midlan	d TX 79701		Telephone N	No. 432-230-007	77				
Facility Nan	ne: SRO S	tate Com #4	3			Facility Typ	e: Battery					
Surface Own	ner: State			Mineral O	wner:				API No.	30-015-4	1141	
				LOCA	TIOI	N OF REI	LEASE					
Unit Letter D	Section 17	Township 26S	Range 28E	Feet from the 190'	North	/South Line North	Feet from the 990'	American Co.	West Line West		Count	*
				Latitude 32.04					•			
				NAT	URE	OF RELI						
Type of Relea	ise:					Volume of 9 bbls	Release:		Volume Re 5 bbls	ecovered:		
Source of Rel	ease:					B 17.7005	our of Occurrence	e:	Date and H	lour of Dis	coverv:	
Oil Hauler						10/19/2015			10/19/201:			
Was Immedia	te Notice C	_	Yes	No 🛛 Not Rec	quired	If YES, To	Whom?					
By Whom?						Date and H	our:		-			
Was a Watero	ourse Reac	hed?	Yes 🛚	No		If YES, Vo	lume Impacting the	he Wate	ercourse.			
If a Watercou	rse was Im	pacted. Descri	be Fully.*								7	
	g a load of o	oil the truck d	river overf	n Taken.* Illed his truck cau: rr, Gibson Energy.		e oil to spill o	nto the location. A	A vacuu	ım truck was	s able to rec	over 5	bbls of fluid.
Describe Area	a Affected a	and Cleanup A	ction Tak	en.*								
				LACT. Concho wine NMOCD for ap						ntamination	from t	he release
regulations all public health should their o	l operators or the envir perations h ment. In a	are required to conment. The ave failed to a ddition, NMO	report an acceptanc dequately CD accep	is true and comple d/or file certain re e of a C-141 repor investigate and re tance of a C-141 re	lease not t by the mediate	otifications and NMOCD made contamination	nd perform correct arked as "Final Re on that pose a thre	tive act eport" c eat to gr	ions for relead loes not relie round water,	ases which eve the oper surface wa	may en ator of ter, hur	idanger Tiability man health
~.		- Tu	ijil	le			OIL CONS	SERV	'ATION I	DIVISIC	<u>N</u>	
Signature: Printed Name						Approved by	Environmental Sp	pecialis	t:			
Title: Senior I	Environmer	ntal Coordinat	or			Approval Dat	e:		Expiration D	Pate:		
E-mail Addre	ss: <u>atrujillo</u>	@concho.com	1			Conditions of	Approval:			Attached	П	
Date: Novei	mber 1, 201	5 Phor	ne: 575-74	8-6940								

^{*} Attach Additional Sheets If Necessary

ANALYTICAL RESULTS



November 04, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SRO STATE COM #43

Enclosed are the results of analyses for samples received by the laboratory on 11/03/15 14:28.

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 accredited 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. Keene

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

Received:

11/03/2015

Reported:

11/04/2015

Project Name:

SRO STATE COM #43

Project Number:

701866.004.01

Project Location:

NONE GIVEN

Sampling Date:

ng Date:

11/03/2015

Soil

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Sampling Type: Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-1 0' (H502896-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	20.7	2.00	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	135	2.00	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	32.4	2.00	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	228	6.00	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	416	12.0	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 73.6-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AP		*			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/04/2015	ND	416	104	400	0.00	
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	1060	10.0	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	4790	10.0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	168	% 35-147	,						
Surrogate: 1-Chlorooctadecane	212	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To:

(575) 745-8905

Received: Reported: 11/03/2015

11/04/2015

Project Name:

SRO STATE COM #43

Project Number:

701866.004.01

Project Location:

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-1 1' (H502896-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.625	0.100	11/04/2015	ND	2,08	104	2.00	1.80	
Toluene*	6.24	0.100	11/04/2015	ND	2,31	116	2.00	2.52	
Ethylbenzene*	2.52	0.100	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	18.8	0.300	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	28.1	0.600	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	124 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	11/04/2015	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	225	10.0	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	631	10.0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	116	% 35-147	!						
Surrogate: 1-Chlorooctadecane	125	% 28-171							

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

Received:

11/03/2015

Reported:

11/04/2015

Project Name:

SRO STATE COM #43

Project Number: Project Location: 701866.004.01

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-1 2' (H502896-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.092	0.050	11/04/2015	ND ,	2,08	104	2.00	1.80	
Toluene*	0.461	0.050	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	0.071	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	0.564	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	1.19	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/04/2015	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	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	105 9	% 35-147							
Surrogate: 1-Chlorooctadecane	122 9	% 28-171							

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*=Accredited Analyte

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

Received: Reported: 11/03/2015

11/03/2015

Project Name:

SRO STATE COM #43

Project Number:

701866.004.01

Project Location:

NONE GIVEN

Sampling Dáte:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-1 3' (H502896-04)

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	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	<0.050	0.050	11/04/2015	ND	2,31	116	2.00	2.52	
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2,00	2.84	
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/04/2015	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	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	214	107	200	2,98	
Surrogate: 1-Chlorooctane	100 9	% 35-147							
Surrogate: 1-Chlorooctadecane	113 9	6 28-171							

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Celeg D. Kreene



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

Received:

11/03/2015

Reported: Project Name: 11/04/2015

Project Number:

SRO STATE COM #43 701866.004.01

Project Location:

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Judy Garcia

Sample ID: S-2 0' (H502896-05)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.49	1.00	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	35.0	1.00	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	13.1	1.00	11/04/2015	ND	2.13	107	2.00	2,84	
Total Xylenes*	97.7	3.00	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	149	6,00	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	114	% 73.6-140)						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	11/04/2015	ND	416	104	400	0.00	
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	1150	10.0	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	7150	10.0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	174	% 35-147	3						
Surrogate: 1-Chlorooctadecane	230	% 28-171							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



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

Received: Reported: 11/03/2015

11/04/2015

Project Name:

SRO STATE COM #43

Project Number: Project Location: 701866.004.01

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-2 1' (H502896-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	247	20.0	11/04/2015	ND	2.08	104	2,00	1.80	
Toluene*	737	20.0	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	106	20.0	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	731	60.0	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	1820	120	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	11/04/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19000	200	11/04/2015	ND	182	91.2	200	6.72	
DRO >C10-C28	16700	200	11/04/2015	ND	169	84.4	200	13.6	
Surrogate: 1-Chlorooctane	905	% 35-147	,						
Surrogate: 1-Chlorooctadecane	301 9	% 28-171							

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Received: Reported: 11/03/2015

11/04/2015

Project Name:

SRO STATE COM #43

Project Number: Project Location: 701866.004.01

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Sampling Condition: Sample Received By: ** (See Notes)

Judy Garcia

Sample ID: S-2 2' (H502896-07)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.950	0.050	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	3.13	0.050	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	0.468	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	3.41	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	7.97	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 5	% 73.6-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/04/2015	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	17.3	10.0	11/04/2015	ND	182	91.2	200	6.72	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	169	84.4	200	13.6	
Surrogate: 1-Chlorooctane	78.5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	68.6	% 28-171							

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Received:

11/03/2015

Sampling Date:

11/03/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

SRO STATE COM #43

Sampling Condition:

** (See Notes)

Project Number:

701866.004.01

Sample Received By:

Judy Garcia

Project Location:

NONE GIVEN

Sample ID: S-2 3' (H502896-08)

BTEX 8021B	mg/	ka	Analyze	d By: MS					
					22				0 115
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.084	0.050	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	0.111	0.050	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14)						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/04/2015	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	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	<10.0	10,0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	110 9	% 35-147	(
Surrogate: 1-Chlorooctadecane	124 9	% 28-171							

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Received:

11/03/2015

11/04/2015

Reported: Project Name:

SRO STATE COM #43

Project Number:

701866.004.01

Project Location:

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-3 0' (H502896-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	26.7	2.00	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	124	2,00	11/04/2015	ND	2.31	116	2.00	2,52	
Ethylbenzene*	29.2	2.00	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	203	6.00	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	383	12.0	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 73.6-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/04/2015	ND	416	104	400	0.00	
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	2140	10.0	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	7210	10.0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	210	% 35-147	7						
Surrogate: 1-Chlorooctadecane	237	% 28-171	1						

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Project Name:

SRO STATE COM #43

Project Number: Project Location:

701866.004.01

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-3 1' (H502896-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.087 0.050		11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	0.126 0.050		11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	<0.050 0.050 11/04/2015 ND 2.13 107 2.00 2.84								
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/04/2015	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	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	16.9	10.0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	105	% 35-147	7						
Surrogate: 1-Chlorooctadecane	117	% 28-171	1						

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11/03/2015

Sampling Date:

11/03/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

SRO STATE COM #43

Sampling Condition:

** (See Notes)

Project Number:

701866.004.01

Sample Received By:

Judy Garcia

Project Location:

NONE GIVEN

Sample ID: S-3 2' (H502896-11)

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	11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	<0.050	0.050	11/04/2015	ND	2.31	116	2.00	2,52	
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	ed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/04/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result Reporting Limi		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	10.4 10.0		11/04/2015 ND		214	107	200	2.98	
Surrogate: 1-Chlorooctane	107 % 35-147								
Surrogate: 1-Chlorooctadecane	122 9	% 28-171							

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Received: Reported: 11/03/2015

11/04/2015

Project Name:

SRO STATE COM #43

Project Number:

701866.004.01

Project Location:

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-3 3' (H502896-12)

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	11/04/2015	ND	2.08	104	2,00	1.80	
Toluene*	<0.050	0.050	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	lyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/04/2015	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	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	<10.0 10.0		11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	103 % 35-147		,						
Surrogate: 1-Chlorooctadecane	114 9	% 28-171	!						

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Received:

11/03/2015

Sampling Date: Sampling Type: 11/03/2015

Reported:

11/04/2015

Soil

Project Name:

SRO STATE COM #43

Sampling Condition:

** (See Notes)

Project Number:

701866.004.01

Sample Received By:

Judy Garcia

Project Location:

NONE GIVEN

Sample ID: S-4 0' (H502896-13)

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	11/04/2015	ND	2.08	104	2.00	1.80						
Toluene*	<0.050	0.050	11/04/2015	ND	2.31	116	2.00	2.52						
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84						
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2,91						
Total BTEX	<0.300	0.300	11/04/2015	ND										
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 73.6-14	0											
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP										
Analyte	Result Reporting Limit		Analyzed	nalyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier					
Chloride	416	16.0	11/04/2015	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		11/04/2015	ND	204	102	200	0.722						
DRO >C10-C28	33.1 10.0		11/04/2015 ND		214	107	200	2.98						
Surrogate: 1-Chlorooctane	83.8 % 35-147		6											
Surrogate: 1-Chlorooctadecane	95.3	% 28-171												

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Received:

11/03/2015

Reported:

11/04/2015

Project Name:

SRO STATE COM #43

Project Number:

701866.004.01

Project Location:

NONE GIVEN

Sampling Date:

11/03/2015

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Judy Garcia

Sample ID: S-5 0' (H502896-14)

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	11/04/2015	ND	2.08	104	2.00	1.80						
Toluene*	<0.050	0.050	11/04/2015	ND	2.31	116	2.00	2.52						
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84						
Total Xylenes*	<0.150 0.150 11/04/2015 ND 6.80 113													
Total BTEX	<0.300	0.300	11/04/2015	ND										
Surrogate: 4-Bromofluorobenzene (PIL	105 %	% 73.6-14	0											
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP										
Analyte	Result Reporting Limit		Analyzed	zed Method Blank		% Recovery	True Value QC	RPD	Qualifier					
Chloride	832	16.0	11/04/2015	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		11/04/2015	ND	204	102	200	0.722						
DRO >C10-C28	229 10.0		11/04/2015 ND		214	107	200	2.98						
Surrogate: 1-Chlorooctane	61.4 % 35-147		,											
Surrogate: 1-Chlorooctadecane	68.0	% 28-171												

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Received:

11/03/2015

Sampling Date:

11/03/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

SRO STATE COM #43

Sampling Condition:

** (See Notes)

Project Number: Project Location: 701866.004.01 NONE GIVEN

Sample Received By:

Judy Garcia

Sample ID: S-6 0' (H502896-15)

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		11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	<0.050	0.050	11/04/2015	ND	2,31	116	2.00	2,52	
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14) ,						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	nalyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier
Chloride	336 16.0		11/04/2015 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	11/04/2015	ND	204	102	200	0.722	
DRO >C10-C28	245	10,0	11/04/2015	ND	214	107	200	2.98	
Surrogate: 1-Chlorooctane	89.2	% 35-147							
Surrogate: 1-Chlorooctadecane	102 9	6 28-171							

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Celeg D. Keine



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

Received:

11/03/2015

Sampling Date:

11/03/2015

Reported:

11/04/2015

Sampling Type:

Soil

Project Name:

SRO STATE COM #43

Sampling Type.

** (See Notes)

Project Number:

701866.004.01

Sample Received By:

Judy Garcia

Project Number:
Project Location:

NONE GIVEN

II: NONE GIV

Sample ID: S-7 0' (H502896-16)

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		11/04/2015	ND	2.08	104	2.00	1.80	
Toluene*	<0.050	0.050	11/04/2015	ND	2.31	116	2.00	2.52	
Ethylbenzene*	<0.050	0.050	11/04/2015	ND	2.13	107	2.00	2.84	
Total Xylenes*	<0.150	0.150	11/04/2015	ND	6.80	113	6.00	2.91	
Total BTEX	<0.300	0.300	11/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 9	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010 16.0		11/04/2015	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	11/04/2015	ND	182	91.2	200	6.72	
DRO >C10-C28	320	10.0	11/04/2015	ND	169	84.4	200	13.6	
	59.3 % 35-147								
Surrogate: 1-Chlorooctane	59.3	% 35-147							

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476		ANALYSIS REQUEST
Company Name: Talon/LPE	811	
Project Manager: 5 Hit In Color	P.O. #:	
Address: 408 W. Texas Ave.	company: Talon/LPE	alon/LPE
State: NM	zip: 88210 Attn:	
Phone #: 575-746-8768 Fax #: 575-746-8905	6-8905 Address:	
10.00	Tib spo City:	
State Name: CBC 42 Com #35	State:	Zip:
Floger Manner	Phone #:	
7	Fax #:	
Sampler Name:) thiton coor	MATRIX PRESERV.	SAMPLING
FOR LAB USE ONLY	R	
Lab I.D. Sample I.D.	RABOR (C)OI CONTAINERS COUNDWATER ASTEWATER DIL L LUDGE THER: CID/BASE: E / COOL THER:	TPH BTEX Chlori
5-10-1	1	143/15 10:18
-[6 1 /	(03:01
-		[0'22]
1	7) hz;d / / hz;d
1 0		1 6:30
2-21	1.3	10:32
1 4 - 2 7	611	
	6	10:36
96-70	61	11:00
06-31	6 1	10.00 / / /
PLEASE NOTE: Labelly and Demoges. Cardena's labelly and clerifs exclusive remedy for any datim arising whether based in contract or lock, shall be limited to the amount pair or the performance and any other cause whathourer shall be deemed waved unless made in writing and received by Cardena's within 30 days after completion of the applicable.	y caim arising whether based in contract or tort, shall be limit berned waived unless made in writing and received by Cardina berned waived unless made in writing and received by Cardina	d to the amount paur of the surviviors of the su
ambiges, we write a state of the bable for incidental or consequential damages, including without limitation, basiness attenueurs, we write a bove stated reasons or otherwise service, in no event shall Cardinal be liable for incidental or consequential damages, including without limitation, basiness attenueurs, and the state of the performance of services betweenour transfers of whether such damages to be be performance of services betweenour transfers of whether such damages are presented as a service of the performance of services betweenour transfers of the performance of services betweenour transfers of the performance of services betweenour transfers of the performance of services between transfers of the per	without limitation, business exemiptions, loss or use, or and of authors of whether such claim is based upon any of] Yes □ No
Relinquished By:	Received By:	□ Yes □ No
Ol () A		KENNANA.

Sampler - UPS - Bus - Other: AGU Delivered By: (Circle One)



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Received By:	Old di	Relinquished By: Date: Received By:	service. In no event shall Cardinal be lable for incidental or consequental damages, including whole impacts of whether such claim is based upon any of the above stated research or otherwise.	PLEASE NOTE: Liability and Damages. Cardinat's liability and client's ordinave remedy for any datin arrang whether based in contract of tota, that we mind a within 30 days after completion of the applicable pulsars. It nitime including those for registerior and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable.			65-70'	15 < -60'	0	25-4 0' F	5-33	10-07	2/	GRC WAS	MAB (Sample I.D. OR (C. C. C	OMP S S TER		Sampler Name: 5 Hitch COCK	Floject Name:	3	Project # 70 Q 66,004,0 Project Owner: 616500	Phone #: 575-746-8768 Fax #: 575-746-8905	city: Artesia State: NM zip: 88210	<	Project Manager: 5, Hitch cock	Company Name: Talon/LPE	(575) 393-2326 FAX (575) 393-2476
Harcia Rush	REMARKS:	□ Yes □ No	7	based in contract of for that per announce in a minimum per	to the amount paid by the client for the						11:15			OTH ACI ICE	IDGI HER D/B/ I/CO HER	ASE: DOL	i i i i i i i i i i i i i i i i i i i	MATRIX PRESERV. SAMPLING		Phone #:	State: Zip:	City:	Address:	Attn:	Company: I alOn/LFE	T.C. #		ANALYSIS REQUEST

Sampler - UPS - Bus - Other: 754

Delivered By: (Circle One)