1001 Noble Energy Way Houston, TX 77070

> Tel: 281.872.3100 nblenergy.com



southwest royalties, inc. a subsidiary of noble energy, inc.

December 1, 2017

NMOCD Olivia Yu, Environmental Specialist 1625 N. French Drive Hobbs, NM 88240

Dear Ms. Yu,

Southwest Royalties, Inc. respectfully submits the enclosed Release Characterization Report and Remediation Work Plan for release site 1RP-4825.

Should you have any questions or concerns, please contact me at 281-874-6072 or jonathan.pennington@nblenergy.com.

Sincerely,

Jonathan Pennington

Environmental Coordinator

Jonathan.Pennington@nblenergy.com

CC: Al Garcia, Noble Energy

:Enclosure

APPROVED

By Olivia Yu at 12:46 pm, Dec 22, 2017

NMOCD approves of the delineation and proposed remediation for 1RP-4825. See email communication for stipulations.

Sent via email to Olivia. Yu@state.nm.us

REPUBLIC BACKHOE SERVICE LLC

Olivia Yu NMOCD District I 1625 N. French Dr. Hobbs, NM 88240

December 1, 2017

Dear Olivia Yu,

Subject: Spill Summary and Remediation Work Plan

Location: Wyatt/Phillips Battery Company: Southwest Royalties Inc.

Southwest Royalties Inc. has contracted Republic Backhoe Service LLC ("Republic") to perform site assessment and remediation services at the above referenced location. The results of the spill summary and proposed remediation activities are outlined below.

Incident Date

August 15, 2017

Incident Description

On August 15, 2017 the pumper turned on the transfer pump at the Eilliams Battery then noticed the release at the 3-inch poly transfer line adjacent to the Wyatt Phillips Battery. The pumper then turned off the transfer pump and put a clamp on the transfer line. The produced water soaked into the ground before a vacuum truck could make it to the site to recover any fluids. Approximately 8 barrels of produced water were released. On August 16, 2017 a crew was called out to repair the transfer line. On October 2, 2017 Southwest Royalties Inc., replaced approximately 7,000 feet of transfer line from the Eilliams Battery to the injection well. The C-141 form was received by NMOCD District I on September 27, 2017 (See Appendix I).

Republic Backhoe Service LLC 47 E. Dickens Lovington, NM 88260

Background Information

The Wyatt Phillips battery is located approximately 9 miles west of Buckeye, New Mexico and 7.5 miles south east of Maljamar, NM. The legal location for the Battery is Unit C Section 34 Township 17 South and Range 33 East in Lea County, New Mexico. The spill site lies east of the Wyatt Phillips Battery location with the GPS Coordinates as follows: Latitude: 32.797030 North Longitude: -103.652007 West. (See Site Map attached in Appendix II).

The Wyatt Phillips Spill Site is located less than ½ mile east from the Mescalero Ridge (Caprock Escarpment). The soil in this area is made up of Kimbrough-Lea loamy soil. As per the New Mexico Bureau of Geology and Minerals Resources, the local surface is comprised of 5" to 24" loamy soil with hard caliche below the soil.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events. According to the New Mexico Office of the State Engineer water well database there are no water wells within a mile radius. The same search illustrates that at a radius of 4,000 meters from the spill site the average depth to water is incorrectly 132 ft. The ground water data in Appendix III shows that the average depth to water is 132 feet but this is due to Water Well L-02687 having no depth to water value thus decreasing the average depth to water to 132 feet. When Water Well L-02687 (L-02687 is at a distance of 2.48 miles) is omitted from the average, the average depth to water at a radius of 4,000 meters from the spill site is 200 ft. Furthermore when the radius is decreased to 2 miles (3,219.5 meters) from the spill site the average depth to water increases to approximately 220 ft.

Regulatory Requirements

New Mexico Oil Conservation Division evaluates each release of produced water or oil according to the Recommended Remediation Action Levels (RRAL). NMOCD uses RRALs as a ranking system when evaluating each spill in terms of Depth to Groundwater, Distance to Surface Water, and Distance to Wellhead Protection Area.

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

Depth to ground water: >200' (50'-99') **O**Wellhead Protection Area: > 1000' **O**

Distance to Surface Water Body: > 1000'

Actions Taken

On October 11, 2017 Republic began to delineate the Wyatt Phillips spill Site. Big Guns Drilling Inc was contracted to drill the bore holes. A total of two bore holes were drilled at the spill site. Borehole A was drilled to 20' and Borehole B was drilled to 18'. On October 13, 2017 a backhoe was used to dig trenches to finish delineating the site. All soil samples were collected by Republic Backhoe Service LLC personnel wearing clean nitrile groves. The soil samples were placed in laboratory provided sample containers and transported to Cardinal Labs in Hobbs, NM for analysis. The samples were analyzed per Method SM4500C1-B, BTEX 8021B, and TPH 8015M.

Laboratory Results

See Appendix V for Site Sample Points.

Sample	Date	Sample ID	Depth	Chlorides	BTEX	TPH
Date	Analyzed		(feet)	(mg/kg)	(mg/kg)	(mg/kg)
10/11/2017	10/19/2017	A-1	1	3920	<.300	<10.0
10/11/2017	10/19/2017	A-3	3	4320	<.300	<10.0
10/11/2017	10/19/2017	A-7	7	8530	<.300	<10.0
10/11/2017	10/19/2017	A-10	10	304	-	-
10/11/2017	10/19/2017	A-20	20	64	-	-
10/11/2017	10/19/2017	B-2	2	3160	<.300	<10.0
10/11/2017	10/19/2017	B-4	4	6880	<.300	<10.0
10/11/2017	10/19/2017	B-6	6	4160	-	-
10/11/2017	10/19/2017	B-8	8	64	-	-
10/11/2017	10/19/2017	B-18	18	32	-	-
10/11/2017	10/19/2017	C-6	6	2080	<.300	<10.0
10/11/2017	10/19/2017	C-8	8	1760	-	-
10/11/2017	10/19/2017	C-10	10	48	-	-
10/11/2017	10/19/2017	C-15	15	64	-	-
10/13/2017	10/23/2017	D-1	.25	320	<.300	22.6
10/13/2017	10/23/2017	D-2	2	304	<.300	<10.0
10/13/2017	10/23/2017	E-S	.25	32	<.300	<10.0
10/13/2017	10/23/2017	E-1	1	96	<.300	<10.0
10/13/2017	10/23/2017	F-S	.25	16	<.300	<10.0
10/13/2017	10/23/2017	F-1	1	112	<.300	<10.0
10/13/2017	10/23/2017	G-1	.25	416	<.300	<10.0
10/13/2017	10/23/2017	G-3	3	3600	<.300	<10.0
10/13/2017	10/23/2017	H-S	.25	1520	<.300	<10.0
10/13/2017	10/23/2017	H-1	1	384	<.300	<10.0
10/13/2017	10/23/2017	I-1	.25	576	<.300	<10.0
10/13/2017	10/23/2017	I-2	2	2160	<.300	<10.00
10/13/2017	10/23/2017	J-1	1	16	<.300	<10.0
10/13/2017	10/23/2017	J-2	2	16	<.300	<10.0
10/13/2017	10/23/2017	J-6	6	64	<.300	<10.0

Proposal

According to the groundwater data, the release poses little threat to groundwater contamination in the area. The depth to ground water in the area is greater than 200' bgs. The Site Delineation concluded that there are no issues with TPH or BTEX. Chloride contamination is the only issue at the site. Also, sample results indicate that chloride concentrations in soil are below NMOCD permissible levels at less than 10' bgs. Southwest Royalties, Inc. respectfully requests that NMOCD will consider the following remediation plan.

The portions of the site with chloride concentrations in excess of the NMOCD cleanup standard of 600 mg/kg chloride will be excavated to a depth of 4' (See Appendix VI for approximate excavation extents). Please note that the map in Appendix VI is an approximation of the excavation site. The horizontal extent to the North, East, and South of the spill will be determined during the excavation process at the site. The western extent of the excavation will terminate at the battery fire wall if chloride concentrations below 600 mg/kg are not observed east of the battery firewall. It would be unsafe to excavate west of the eastern firewall of the battery. The weight of the tanks at the battery, along with unpredictable rainfalls and wind, will increase the risk of cave-ins if excavation takes place within 10' of the tanks at the battery. After the spill site is excavated to a depth of 4', the excavated walls will be tested to insure horizontal delineation. The samples will be collected and taken to Cardinal Labs for confirmation. Then a 20 mil liner will be installed at 4' to prevent vertical migration of the contaminants that remain below the liner.

The excavated soil will be hauled to R360 disposal facility, an NMOCD approved disposal. All backfill material will be hauled in from a clean fill source.

NMOCD will be notified within 24 hours of all sampling.

Then the area will be seeded with Warm Season SSR Grass Seed Mix 350. Please see the Revegetation and weed management plan below.

Revegetation and Noxious Weed Management Plans

Seed Mixture: Warm Season SSR Grass Seed Mix 350 (See Appendix VII)

Seeding Rate/ acre: 20 lbs/acre

Timing of Dispersal: Late March 2018 (may change)

Method of Dispersal: First, the area will be disced. Second, the seed will be mechanically broadcasted. Third, the disc will run over the area to cover the seed. Finally, to best ensure seed germination success the area will be watered after seeding. Photos will be taken of the seed mixture bags, and of all seeding activities.

Follow up Monitoring Plan: We intend to monitor the area in late summer (before the fall season). We will evaluate the growth of the area to determine if reseeding will be necessary the following spring. We will also monitor for the area for noxious weeds. The area is small enough to rid the weeds mechanically.

Noxious Weeds Control

Republic Backhoe Service LLC takes noxious weed control very serious. All equipment and trucks are inspected before entering the pasture area. For examples truck tires are inspected for seeds between the thread of the tires, and equipment (disc harrow and backhoe) is cleaned off before entering the site. The area will be monitored for the following noxious weeds (but not limited to):

- -Jointed Goatgrass
- -Hoary Cress
- -Cheat Grass
- -African Rue
- -Yellow Starthistle
- -Malta Starthistle
- -Purple Starthistle
- -Common Teasel
- -Camelthorn
- -Russian Knapweed

IF you have any questions please call (575) 631-1031.

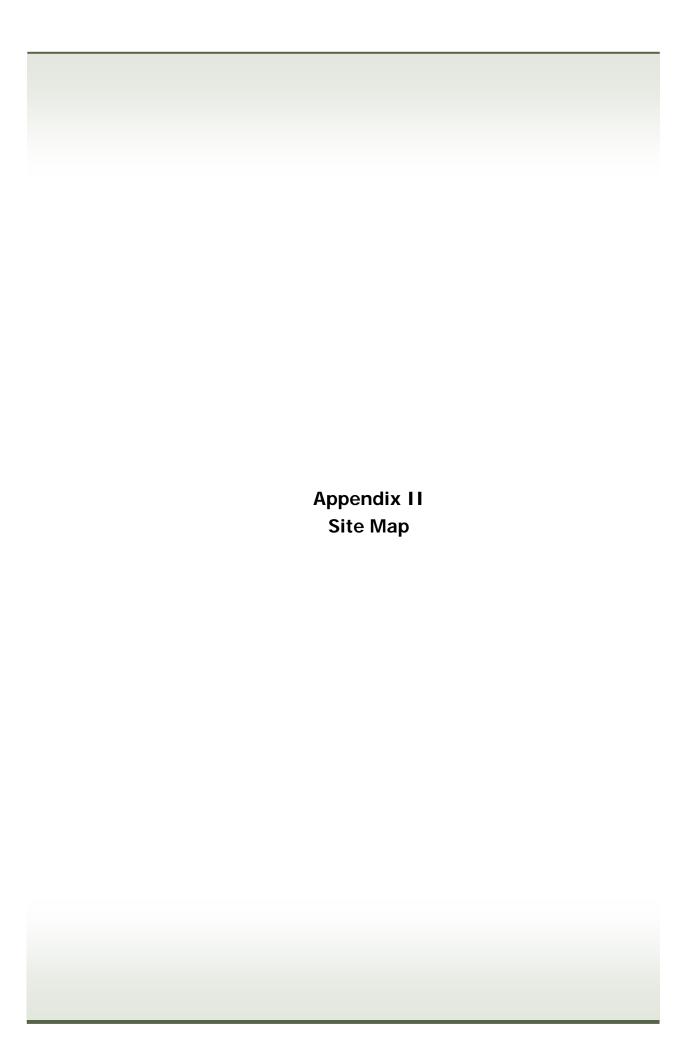
Eric Garcia

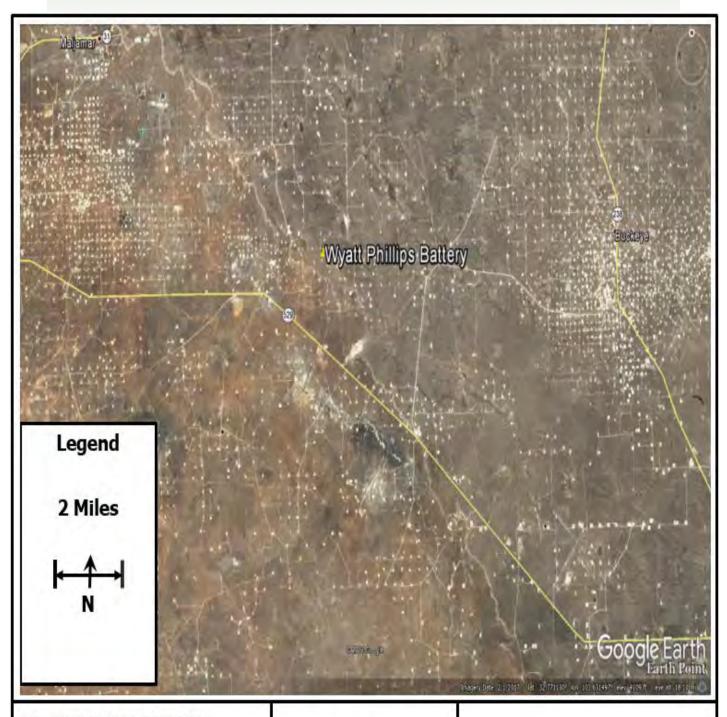
Republic Backhoe Services LLC



State of New Mexico

District.] 625 N. French Dr., Hobbs, NM 88240 District II.		New Mexico and Natural Resources			Form C-141 Revised April 3, 2017
11 S. First St., Artesia, NM 88210 District III 000 Rin Brazos Road, Aztes, NM 87410 District IV 220 S. St. Francis Dr., Santa Fe, NM 87505	1220 Sout	rvation Division h St. Francis Dr. e, NM 87505	Submit 1	Copy to appropri accordance w	ate District Office in ith 19.15.29 NMAC.
Rele		n and Corrective A	ction		
		OPERATOR	\boxtimes	Initial Report	Final Repo
Name of Company Southwest Royalties, Inc.	5	Contact Jonathan Penningto			
Address 1001 Noble Energy Way Facility Name Wyatt Philips Battery		Telephone No. 281-874-60			
		Facility Type 3-inch Transf			
Surface Owner Caviness Cattle Acct.	Mineral Owner		(A)	PI No.	
Unit Letter Section Township Range		N OF RELEASE	East/West	Line County	
C 34 J7S 33E	500	N 2300	W	Le	а
Latitud	e 32,797030 I	ongitude103.652007	NAD83		
	NATURE	OF RELEASE			
Type of Release Produced Water		Volume of Release 8 Barrel		lume Recovered (
Source of Release 3-inch Trunsfer Line		Date and Hour of Occurrence 8/15/17 11:30 AM		e and Hour of Dis 5/17-11:30 AM	covery
Was Immediate Notice Given? ☐ Yes ☐	No 🖾 Not Required	If YES, To Whom?	1, 5/74	O I to I Have race	
By Whom? N/A		Date and Hour N/A			
		If YES, Volume Impacting t	he Watercou	nsc.	
Was a Watercourse Reached? ☐ Yes ☑	No	N/A			
	No	RECEIVED		00	7 0047
Yes If a Watercourse was Impacted, Describe Fully, N/A. Describe Cause of Problem and Remedial Action transfer line adjacent to the Wyatt Philips battery.	Taken.* Pumper turn The pumper turned of	RECEIVED By Olivia Yu and on the transfer pump at the E ff the transfer pump and put a ele	at 7:22	y and noticed the ansfer line. The p	release at the groduced water
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Wyatt Phillips Batt. Transfer Line Spill Unit Letter C, Sec. 34, T-17S, R-33E GPS: 32.797030N -103.652007W

Lea County, NM

Republic Backhoe Service LLC 47 E. Dickens Rd Lovington, NM 88260

Appendix II Site Map



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 Sub-		0	Q	0								v	Vater
POD Number	Code	basin	County	_	_	_	Sec	Tws	Rng	X	Y	DistanceDep	othWellDep		
L 04363		L	LE	1	2	3	35	17S	33E	627634	3628855*	1646	226	160	66
<u>L 03713</u>		L	LE	3	4	1	28	17S	33E	624391	3630617*	2045	210		
L 14159 POD1		L	LE	3	1	3	28	17S	33E	624030	3630169	2206	298	165	133
L 05055		L	LE	3	3	4	35	17S	33E	628042	3628259*	2304	233	150	83
L 05096		L	LE	3	3	4	35	17S	33E	628042	3628259*	2304	233	150	83
L 04649		L	LE	1	1	3	03	188	33E	625644	3627213*	2427	100	45	55
L 03133		L	LE	3	1	3	23	17S	33E	627188	3631868*	2504	230		
L 13049 POD1		L	LE	2	2	2	29	17S	33E	623782	3631207*	2876	244	204	40
CP 00758 POD1		CP	LE			3	04	18S	33E	624345	3626886*	3251	250		
CP 00072 POD4		CP	LE	1	4	2	10	188	33E	626865	3626028*	3626	70		
L 09891		L	LE		4	4	16	17S	33E	625264	3633144*	3669	190		
CP 01417 POD1		CP	LE				11	18S	33E	627036	3625738	3946	120	54	66
L 02687		L	LE		2	2	36	17S	33E	630137	3629598*	3979			

Average Depth to Water:

Minimum Depth: 45 feet
Maximum Depth: 204 feet

132 feet

Record Count: 13

10/23/17 3:54 PM

UTMNAD83 Radius Search (in meters):

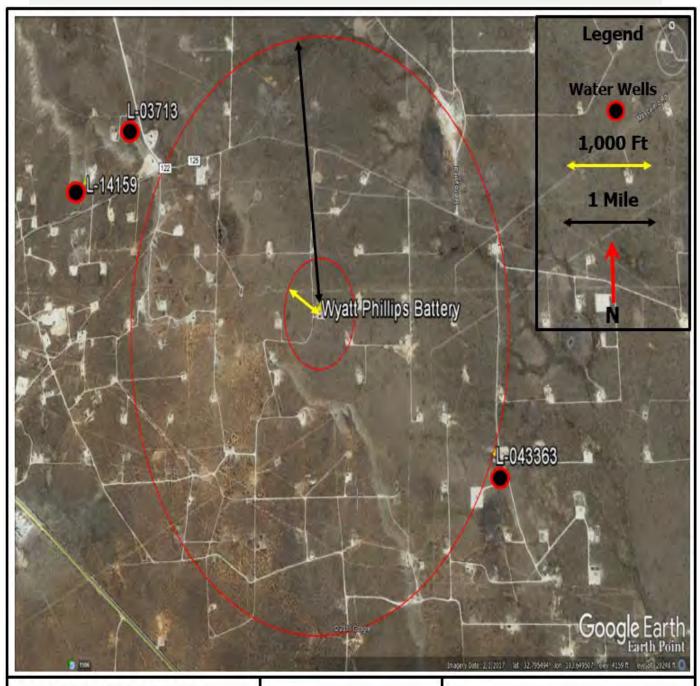
Easting (X): 626157.68 Northing (Y): 3629585 Radius: 4000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

WATER COLUMN/ AVERAGE DEPTH TO WATER





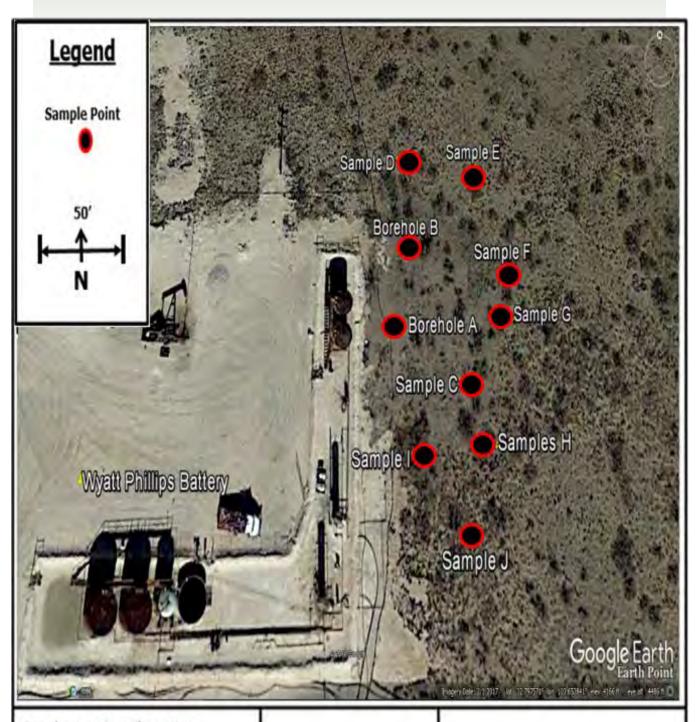
Wyatt Phillips Batt. Transfer Line Spill Unit Letter C, Sec. 34, T-17S, R-33E GPS: 32.797030N -103.652007W

Lea County, NM

Republic Backhoe Service LLC 47 E. Dickens Rd Lovington, NM 88260

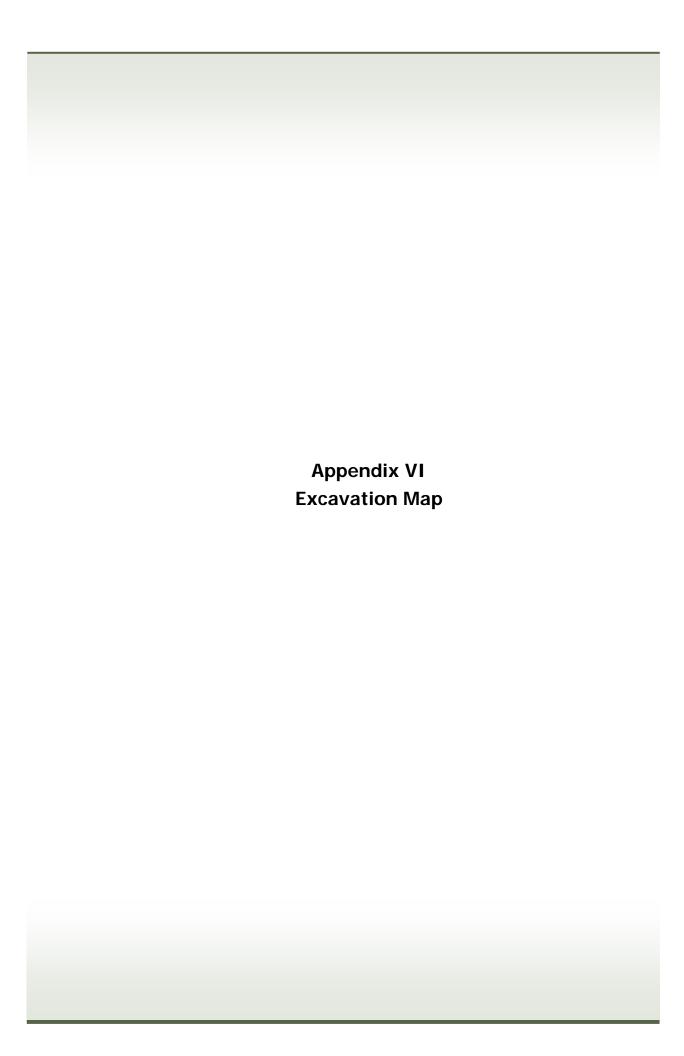
Appendix IV
Fresh Water Wells





Wyatt Phillips Batt. Transfer Line Spill Unit Letter C, Sec. 34, T-17S, R-33E GPS: 32.797030N -103.652007W Lea County, NM Republic Backhoe Service LLC 47 E. Dickens Rd Lovington, NM 88260

Appendix V Sample Points



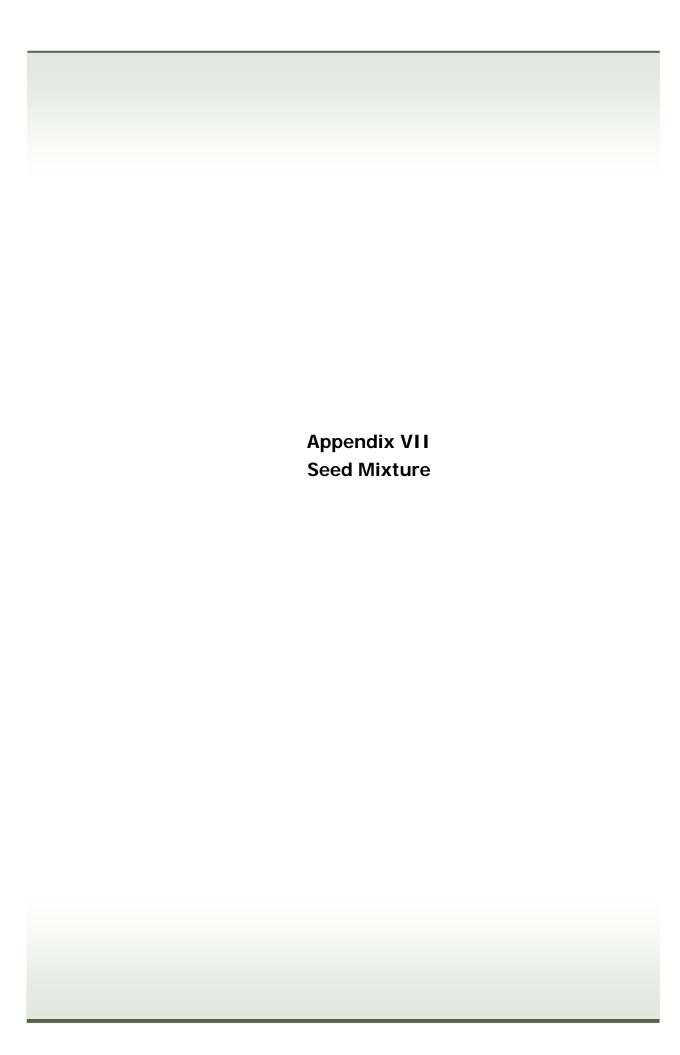


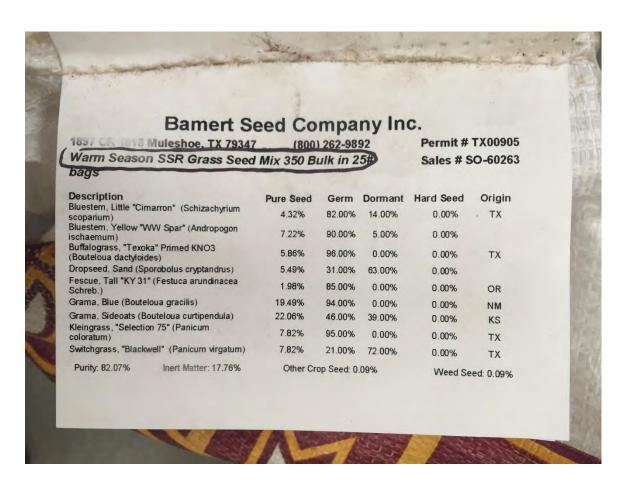
Wyatt Phillips Batt Transfer Line Spill Unit Letter C, Sec. 34, T17S, R33E GPS: 32.797030N, -103.652007W Lea County, NM Republic Backhoe Service LLC 47 E. Dickens Rd Lovington, NM 88260

Appendix XI
Excavation Map

4' Excavation-







Appendix VIII Cardinal Lab Results	



October 19, 2017

ERIC GARCIA

REPUBLIC BACKHOE SERVICES

47 E. DICKENS RD

LOVINGTON, NM 88260

RE: WYATT PHILIPS

Enclosed are the results of analyses for samples received by the laboratory on 10/12/17 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

Celeg & 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



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

Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/12/2017

 Reported:
 10/19/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 BATTERY

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/11/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: A-1 (H702763-01)

Sample ID: A-1 (H702763-01) BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifer
Benzene*	<0.050	0.050	10/17/2017	ND	1.90	94,9	2.00	1.59	
Toluene*	<0.050	0.050	10/17/2017	ND	1.72	85.8	2.00	1.87	
Ethylbenzene*	< 0.050	0.050	10/17/2017	ND	1.74	87.1	2.00	0.234	
Total Xylenes*	<0.150	0.150	10/17/2017	ND	5.30	88.4	6.00	0.359	
Total BTEX	<0.300	0.300	10/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 72-148							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	10/16/2017	ND	432	108	400	7.14	
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	10/16/2017	ND	192	96,2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					
Surrogate: 1-Chlorooctane	80.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	82.1	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

PLICE NOTE: Unbilly not Dataque. Circlosis Solity and clear's accluses present for any calor atomy, whether based is contact or tort, dual its limited to the amount guid by clear for scalages. All clears, including store for regispers and any other companies whether the description of the applicable service. In int event dual Cardinal is table for incidental or consequential changes, which intuition, business interruptions, loss of use, or loss of guide income by clear, the authorises, affinizes or consequential dataques, which intuition, business interruptions, loss of use, or loss of guide incident by clear, the authorises acceptant following which intuition, business interruptions, loss of use, or loss of year. The performance of the performance of the service between the clear interruptions of the school stated manages or otherwise. Beautifur relationly to the samples described shows. This report day not the supposed of cardinal (accordance).

Celley T. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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

Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260

Fax To: NONE

Received: 10/12/2017 Reported: 10/19/2017 Project Name: WYATT PHILIPS Project Number: BATTERY Project Location: NOT GIVEN

Sampling Date: 10/11/2017 Sampling Type: Soil Cool & Intact Sampling Condition: Sample Received By: Tamara Oldaker

Sample ID: A-3 (H702763-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	10/16/2017	ND	432	108	400	7.14	
Sample ID: A-7 (H702763-03)									
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quaitfier

10/16/2017

Sample ID: A-10 (H702763-04)

Chloride

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/16/2017	ND	432	108	400	0.00	

Sample ID: A-20 (H702763-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2017	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

Celegit trune Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5

7.14





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.
4	Chloride by SM4500Cl-8 does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on repor

Cardinal Laboratories *=Accredited Analyte

FLOAD NOTE: Listelity and berapiet described inhibity and clearly include report for any cains aring, invited transit in contact or tot, data for inclined to the amount part by client for analyses. All datas, including those for neighbors and supplied in the contact of the applicate waters. By a seek all Contact has been to holdered to contact with the contact of the applicate waters. By a seek all Contact has been to holdered to contact which the contact has been to the applicate data and the contact has been to the application of the app

Celley Z. Freine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

State: N/M ZP: 88360 Attn: State: N/M ZP: 88360 Attn: Address: (O) Noble Reania Project Owner Noble State: The City: House from State: The City: House from Address: (O) Noble Way Project Owner Noble State: The City: House from State: The City: House from ACIDMANSE: ICE: COOL OTHER: ACIDMANSE: ICE: COOL OTHER: ACIDMANSE: ICE: COOL OHINT 9:30 X X X X Noble Noble Reanial OHINT 9:30 X X X X Noble Noble Reanial Company: Woble Reanial Company: Woble Reanial Address: (O) Noble Reanial A	Debranc pa	ekhoe denice	BILL TO ANALYSIS REQUEST
Sample I.D. Sampl	88	P.(Co	any Lobble Commin
Project Owner Noble Blanch Watt Philips Battery Sample I.D. Sample	T.		ess MI Who
Sample I.D. Sample			Houston
A-JO Sample I.D.	" Wyatt P	4	Me X Zp:
AP-10 Sample I.D. Sample I.D.	" Cris (-an	6	
R-10		TER IR MATRIX	SAMPLING
A-3 A-3 Bolish 8:40 × × × A-10 A-30 Bolish 9:45 × × ×	- Cu	# CONTAINER GROUNDWAT WASTEWATE SOIL OIL SLUDGE OTHER	OTHER DATE
x x x 5h:b Lilling	7 F W W	ೲೲೲೲ	×
	S Arao	g:	*

Sampler - UPS - Bus - Other

Delivered By (Circle One) 2.82

CHECKED BY:

Jasminebarr 208 yahra.com

Guagarcia wa Chomail. com pending results of 1

Time:

Casmure Bain

12:45

Phone Result
Fax Result
REMARKS

If D Yes D No Add'l Phone #



October 19, 2017

ERIC GARCIA
REPUBLIC BACKHOE SERVICES
47 E. DICKENS RD
LOVINGTON, NM 88260

RE: WYATT PHILIPS

Enclosed are the results of analyses for samples received by the laboratory on 10/12/17 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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-text-file-thm.

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Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

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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



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

Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/12/2017

 Reported:
 10/19/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 BATTERY

 Project Location:
 NOT GIVEN

Sampling Date: 10/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B-2 (H702764-01)

Sample ID: B-2 (H702764-01) 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	10/17/2017	ND	1.90	94,9	2.00	1.59	
Toluene*	<0.050	0.050	10/17/2017	ND	1.72	85.8	2.00	1.87	
Ethylbenzene*	< 0.050	0.050	10/17/2017	ND	1,74	87.1	2.00	0.234	
Total Xylenes*	< 0.150	0.150	10/17/2017	ND	5.30	88.4	6.00	0.359	
Total BTEX	<0.300	0.300	10/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 72-148							
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	10/16/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	kg	Analyze	d By: MS	-			-2.5	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					
Surrogate; 1-Chlorooctane	83.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	81.3	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Demayor. Continuits bigility and clearly exclude limited to the arrivant past by dient for stalyees. All dame, including those for negligance and any other cases whatenesses shall be demand resident create in writing and received by Control segion thing 100, days after completion of the applicable service. In in sevent shall Control to take for incidental or consequential changes, which incidently, without instruction, but had been been proposed or the performance of the performance of the service Newtonian Proposed Control to a related to the performance of the service Newtonian Proposed Control to Control to the performance of the service Newtonian Proposed Control to Control t

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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

Analytical Results For:

REPUBLIC BACKHOE SERVICES
ERIC GARCIA
47 E. DICKENS RD
LOVINGTON NM, 88260
Fax To: NONE

 Received:
 10/12/2017

 Reported:
 10/19/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 BATTERY

 Project Location:
 NOT GIVEN

Sampling Date: 10/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: B-4 (H702764-02)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	10/16/2017	ND	432	108	400	0.00	
Sample ID: B-6 (H702764-03)									
Chloride, SM4500CI-B mg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	10/16/2017	ND	432	108	400	0.00	

Sample ID: B-8 (H702764-04)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2017	ND	432	108	400	0.00	

Sample ID: B-18 (H702764-05)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2017	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Utable, and lamage. Contraits boilty, and cleant exclusive remark for say calls around, extent based to contract or tort, chall be limited to the amount past by clean for analyses. At claims, including those for neglector and any other cause evidationers shall be described unless made its vertical and received by Contral within thirty. (30) days after completion of the applicable service. In no event drail Contral to based for locational be based for companies described, without indication, without indication, buttoness interruptions, but of use, or locat of profits increased by cleant, the adoptions of analysis indication, evidated analysis of the analysis indications, and the above on defendance or defendance and defendance or defendance. Foundations, foundations are of the above dated reasons or defendance, foundations are not determined. Foundations are not determined, foundations are not determined.

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5





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-8 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

PLBASE MOTE: Liability and Demages: Deplinal's lability and clercts evolutive remarks for any claim aming, whether based to contract or tot, drail be limited to the amount past by dient for analyses. All claims, including those for negligance and any other cause whetherever shall be deemed without made in incise made in investig and received by Cultima Westo thirty [20] days after completion of the applicable amone. To no event drail Curtical to lability for incisental or consequential designation, without industry, whitches industries, business interruptions, local of use, or risks of profits income or claims of the same particular and the performance of the analysis and contract of the same particular and the performance of the analysis and contract or contract on the performance or districts.

Celes Z. Freine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM, 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Nooublic Printhips Sor

Sampler - UPS - Bus - Other Arnosted 3052 Fres Ho 1 40 Cardinal cannot accept verbal changes. Please fax written changes to (575) 383-2326 10. HZ

Delivered By: (Circle One) 2.85

CHECKED BY:

Ericgarcia 62@hotmail compending results

Hold 2-5 TPH+ STEX

Jasminebarr 20@ yahoo.com

Page 5 of 5



October 19, 2017

ERIC GARCIA
REPUBLIC BACKHOE SERVICES
47 E, DICKENS RD
LOVINGTON, NM 88260

RE: WYATT PHILIPS

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Method EPA 524.2 Total Trifialomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

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Celey D. Keine

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Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260

Fax To: NONE

 Received:
 10/12/2017

 Reported:
 10/19/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 BATTERY

 Project Location:
 NOT GIVEN

Sampling Date: 10/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: C-6 (H702765-01)

Sample 1D: C-6 (H/02/65-01) 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	10/17/2017	ND	1.90	94.9	2.00	1.59	
Toluene*	< 0.050	0.050	10/17/2017	ND	1.72	85.8	2,00	1.87	
Ethylbenzene*	< 0.050	0.050	10/17/2017	ND	1.74	87.1	2.00	0.234	
Total Xylenes*	<0.150	0.150	10/17/2017	ND	5.30	88.4	6.00	0,359	
Total BTEX	<0.300	0.300	10/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 72-148							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	10/16/2017	ND	432	108	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	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					
Surrogate: 1-Chlorooctane	84.9	% 28.3-164							
Surrogate: 1-Chlorooctadecane	90.8	% 34.7-157	,						

Cardinal Laboratories *=Accredited Analyte

REASE NOTE: Utable, and farmages. Contain's boilty, and clients exclusive remarks for any cases arriving whether based in contact or tort, drail be limited to the arresunt paid by dient for analyses. All clients including strong any other cause electroners shall be desired earliest under create in setting and recoved by Controls within their total paid and controls any other completes of the applicable service. In one sevent shall Cardinal be little for including and controls intrology, electrons interesting, interesting and of or might of the performance of the services because it by Controls, importance of whether such claims inhance or otherwise. Needle middle only to the samples identified above. This report shall not be experienced except that description any of the above stated reasons or otherwise. Needle middle only to the samples identified above. This report shall not be experienced except that which proposal of Control Laboratories.

Celeny Litreune

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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

Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

Fax To: NO

 Received:
 10/12/2017

 Reported:
 10/19/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 BATTERY

 Project Location:
 NOT GIVEN

Sampling Date: Sampling Type: Sampling Condition: Sample Received By:

Soil Cool & Intact Tamara Oldaker

10/11/2017

Sample ID: C-8 (H702765-02)

Chloride, SM4500CI-B mg/kg Analyzed By: AC Analyte Regult Reporting Limit Analyzed Method Blank % Recovery True Value QC RPD Qualifier Chloride 10/16/2017 1760 16.0 437 400 0.00 ND 108

Sample ID: C-10 (H702765-03)

Chloride, SM4500CI-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 10/16/2017 48.0 16.0 ND 432 108 400 0.00

Sample ID: C-15 (H702765-04)

Chloride, SM4500CI-B Analyzed By: AC mg/kg RPD Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC Qualifier Chloride 10/16/2017 432 108 0.00 64.0 16.0 ND 400

Cardinal Laboratories *=Accredited Analyte

FURSE NOTE: Unders and (prosper. Condinals, labelity and clerch exclasive repeats for any calor action, whether based in contract or tord, chall be invoked to the annualt gold by clerch for makess. We clerch to be desired under made of writing and recovered by Customs webs thing (DI) days after completion of the applicable service. In or event datal Customs is table for incidental or consequential distinguity, electric inference, inference inference, incidental or consequential distinguity, electric inference, interreption, (and in see, or loss of profits incomediate), affiliation, income consequential inference, incidental inference or the service inference of the services between the condition of the applications of the services in the condition of the services in the condition of the services in the

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5





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 SM4500CI-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

PLESSE NOTE: Updaty and Jamages. Contrait liability and clients radiable remarks for any client straing, whether based in contract or tort, dual be limbed to the amount paid by client for analyses. Will claims, including those for negligence and any other cause whateness shall be deserted and contrain be labele for including, whateness distinguish, whiteness interactions, loss of use, or loss of portion including, whateness accurate a strain of or when the or when the second or the second resource of use of use or loss of portion including, regardless of whether such claims is based upon any of the above stabel reasons or otherwise, leveluar sizes only to be sumples beeffed above. This report and not be reproduced except to fill whether approved of Contral Exceptions.

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Republic Bockhoe Service

Ampler - UPS - Bus - Other Amelica 3050 Fres Bries + Cardinal repres Bries † Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 10.47S

CHECKED BY

Delivered By: (Circle One) 2.82

12:45

Phone Result | 1 Yes | No Add Phone #
Fax Result | 1 Yes | No Add Fax #
REMARK

Guagaria 60 @ hotmail. com Perding results of

Hold 2-4 TPA + BTEX

Page 5 of 5



October 23, 2017

ERIC GARCIA

REPUBLIC BACKHOE SERVICES

47 E. DICKENS RD

LOVINGTON, NM 88260

RE: WYATT PHILIPS

Enclosed are the results of analyses for samples received by the laboratory on 10/16/17 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.tceg.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. 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



Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: D-1 (H702799-01)

Sample 1D: D-1 (H702/99-01) BTEX 8021B	mg	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quarte
Benzene*	< 0.050	0.050	10/19/2017	ND	1.91	95.3	2.00	0.603	
Toluene*	< 0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	< 0.050	0.050	10/19/2017	ND	1.71	85.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 72-148							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	320	16.0	10/20/2017	ND	432	108	400	3,64	
TPH 8015M	mg	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO 06-C10	<10.0	10.0	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	22.6	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	75.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	72.5	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

PLDASE MOTE: Libelity and Damages. Carden's libelity and clere's exclusive servely for any client among whether based in contact or fort, shall be limited to the amount past by client for analyses. We client, including those for negligators and any other cause whitesower that be deemed whele under made, in entiring and received by Client's when they (DIS) days after completes or the applicable service. So no, exert shall Carden's be liable for including damages, within this think to be performed interruptions; lost of use, or less of units including, efficient accessors among out of or white to the performance of the services feed resource of carden's less thanks only to be surprised services. This sport that not be performed applicable approach of Carden's laboratives.

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: D-2 (H702799-02)

BTEX 8021B	mg	'kg	Analyze	d By: MS					
Analyte.	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/19/2017	ND	1.91	95.3	2.00	0.603	
Toluene*	<0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0,050	0.050	10/19/2017	ND	1.71	85.7	2,00	1.08	
Total Xylenes*	<0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	304	16.0	10/20/2017	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	Qualifie
GRO C6-C10	<10.0	10.0	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	77.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	70.7	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damagnes. Cledical's boility and clerc's exclusive jernedy for any cases among, whether based in contact or bort, drall be limited to the amount paid by clerc for scalayers. All clercs, including those for negligators and any other cases whatenesses shall be deserted sended under random in writing and recovered by Clerc's wellow their bury (20), days after companion of the applicable service. In or event drall Cardinal be 1884s for incidental or consequented changes, including, without instation, business: interruptions, loss of use, or loss of grafts incomed by clerc's to authorise, including and the participation and the participation of the pa

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: E-S (H702799-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/19/2017	ND	1.91	95.3	2.00	0.603	
Toluene*	<0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0.050	0.050	10/19/2017	ND	1.71	85.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 72-148							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	10/20/2017	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	Qualifie
GRO C6-C10	<10.0	10.0	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	82.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	70.6	% 34.7-15	7						

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PUBLISH NOTE: Liberity and Comanges. Cardinal's labelity and clients exclusive remarks for any cases acting, whether based in contract or lost, shall be instead to the amount paid by client for inseleptic. Will client, including those for negligible anytes, and contract any other cases withdrawner shall be determed unless made in writing and resolved by Curtinal webs thirty (OI) days after completion of the applicable anytes. In one went shall Customa be liable for included any contract, with the contract of the anytes of the source of the anytes of the anither than the performance of the anither than the contract of the anither of the anither than the contract of the anither of the anither than the contract of the anither of the anither than the contract of the anither of the anither than the contract of the anither of the anither than the anither than the contract of the anither of the anither than the anithe

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: E-1 (H702799-04)

BTEX 80218	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	10/19/2017	ND	1.91	95.3	2,00	0,603	
Toluene*	< 0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	< 0.050	0.050	10/19/2017	ND	1.71	85.7	2.00	1.08	
Total Xylenes*	< 0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 72-148	1						
Chloride, SM4500CI-B	mg	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/20/2017	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	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	80.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.7	% 34.7-15	7						

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PLIASE NOTE: Libelity and Damages. Capthraft lability and clerc's endualve remark for any cleim noting, whether based in contract or took, drall be limited to the amount said by dwert for analyses. All cleims, including troos for negligence and any other cause whiteness stall be deemed valued unlike made in writing and received by Cardinal within thiny [30] days after completed or the applicable service. In no event drall Cardinal be, basis for included in consequential damages, within implicit, business informations, loss of use, or issue of profess increased or absolute cardinal transfer.

Celeg Z. Freine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact:
Sample Received By: Tamara Oldaker

Sample ID: F-S (H702799-05)

Sample 1D: F-5 (H702799-05) BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2017	ND	1.91	95,3	2.00	0.603	
Toluene*	<0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0.050	0.050	10/19/2017	ND	1.71	85.7	2,00	1.08	
Total Xylenes*	<0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 72-148	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/20/2017	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	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	74.9	% 28.3-164							
Surrogate: 1-Chlorooctadecane	72.6	% 34.7-15	•						

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PLEASE ACTE. Libelity and Damages. Cardina's labelity and clearly excusive reyearly for any calor anising, whether based in contract or but, doal by limited to the amount just by clear for analyses. All clears, including those for negligance and any other cause whitescener shall be determed valued under made in writing and incolved by Cardinal settle their DE) days after competion of the applicable service. In no west, deal Cardinal be labele for incidental or consequential distinguist, without including, whitest intertoism, business interruptions, bisse of use, or loss of profile incomed by clearly to accessors, arising out of or whether or any other accessors of the amount of the services hereunder by Cardinal, regardless of whether such clear is because of the above attend resource or developes whether and caloring laboratories.

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: F-1 (H702799-06)

Sample ID: F-1 (H702799-06) BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/19/2017	ND	1.91	95,3	2.00	0.603	
Toluene*	<0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0.050	0.050	10/19/2017	ND	1.71	85.7	2.00	1.08	
Total Xylenes*	< 0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/20/2017	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	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	85.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	71.1	% 34.7-15	7						

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PLEASE ACTE. Libelity and Damages. Cardina's labelity and clearly excusive remarky for any calor anising, whether based in contract or but, does for intend to the amount just by clear for analyses. All clears, including those for negligance and any other cause whitescener shall be deserted valued under make in writing and incomed by Cardinal settle their DE) days after competion of the applicable service. In no west, dual Cardinal be labele for incidental or consequential demands, without institution, business interruptions, loss of use, or loss of profits incomed by clear, be absoluted as accusation arising out of or whether and colors in the performance of the absolute the performance of the anison of the above these resource or demands a sense of the above these resource or demands a sense of the above these resource or demands a sense of the above these resource or demands a sense of the above these resource or demands a sense of the above these resource or demands a sense of the above these resource or demands a sense of the above these resources or demands a sense of the above these resources of the above the abo

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: G-1 (H702799-07)

Sample ID: G-1 (H702799-07) 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	10/19/2017	ND	1.91	95.3	2.00	0.603	
Toluene*	< 0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	< 0.050	0.050	10/19/2017	ND	1.71	85.7	2.00	1.08	
Total Xylenes*	< 0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1,51	
Total BTEX	<0,300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte.	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/20/2017	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	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	78.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.7	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

RASE SUTE (both yet (seeps). Confort, bothy not clean to be not clear to each or more for any clear arting, whether based in contact or set, but he inched to the amount paid by clear for incipion. We clear to expect and confort or be applicable solvine. In or west, dail Confort by following the competition of the applicable solvine. In or west, dail Confort by following contact by following the competition of the applicable solvine. In or west, dail Confort by following contact by follow

Celeg T. Krene

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 19



Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

Sampling Date: 10/13/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: G-3 (H702799-08)

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	10/19/2017	ND	1.91	95.3	2.00	0.603	
Toluene*	<0.050	0.050	10/19/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0.050	0.050	10/19/2017	ND	1.71	85.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/19/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/19/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	3600	16.0	10/20/2017	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	Qualifie
GRO C6-C10	<10.0	10.0	10/18/2017	ND	207	104	200	0.951	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	213	107	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	82.4	% 28.5-16	4						
Surrogate: 1-Chlorooctadecane	83.4	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

REASE NOTE: Unbilly and formages. Continues boilty, and clients exclusive remarks for any claim aming, whether based in contract or tort, drail the limited to the amount paid by client for scaleyest. All claims, including those for negligence and any other cause evidencement shall be described under create in writing and recovered by Contral willish that the companion of the applicable service. In one sweet drail Cardinal be liable for inclaiming of the contraction introduce, policies interaction, because interaction, policies interaction, policies interaction, policies interaction, policy of the above dated reasons or otherwise. Results mide only to the samples identified above. This specialized except in fall whether popular interactions are of the approximate or otherwise. Results mide only to the samples identified above. This specialized except in fall with vertice popular identified.

Celley I truck

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 19



Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: H-S (H702799-09)

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	10/20/2017	ND	1.91	95.3	2,00	0.603	
Toluene*	<0.050	0.050	10/20/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0.050	0.050	10/20/2017	ND	1.71	85.7	2,00	1.08	
Total Xylenes*	<0.150	0.150	10/20/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	10/20/2017	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	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	77.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.8	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: H-1 (H702799-10)

Sample 10: H-1 (H/02/99-10) 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	10/20/2017	ND	1.91	95,3	2,00	0.603	
Toluene*	<0.050	0.050	10/20/2017	ND	1.72	85.8	2.00	0.645	
Ethylbenzene*	<0.050	0.050	10/20/2017	ND	1.71	85.7	2,00	1.08	
Total Xylenes*	< 0.150	0.150	10/20/2017	ND	5.14	85.7	6.00	1.51	
Total BTEX	<0.300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 72-148							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/20/2017	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	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	81.6	% 28:3-16-	f						
Surrogate: 1-Chlorooctadecane	88.1	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260

Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: I-1 (H702799-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/20/2017	ND	1.72	86.2	2,00	0.526	
Toluene*	<0.050	0.050	10/20/2017	ND	1.73	86.5	2.00	0.748	
Ethylbenzene*	<0,050	0.050	10/20/2017	ND	1.75	87.6	2,00	1.02	
Total Xylenes*	<0.150	0.150	10/20/2017	ND	5.30	88,3	6.00	2.27	
Total BTEX	<0.300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148	07						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	576	16.0	10/20/2017	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	Qualifies
GRO C6-C10	<10.0	10.0	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	72.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.0	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260

Fax To: NONE

Received: 10/16/2017 Reported: 10/23/2017 Project Name: WYATT PHILIPS Project Number: NONE GIVEN Project Location: NOT GIVEN

Sampling Date: 10/13/2017 Soil Sampling Type: Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: I-2 (H702799-12)

Sample 1D: 1-2 (H702799-12) 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	10/20/2017	ND	1.72	86.2	2.00	0.526	
Toluene*	<0.050	0.050	10/20/2017	ND	1.73	86.5	2.00	0.748	
Ethylbenzene*	<0.050	0.050	10/20/2017	ND	1.75	87.6	2.00	1.02	
Total Xylenes*	< 0.150	0.150	10/20/2017	ND	5.30	88.3	6.00	2.27	
Total BTEX	<0.300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	10/20/2017	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	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	81.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.8	% 34.7-15	7						

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: J-1 (H702799-13)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/20/2017	ND	1,72	86.2	2.00	0.526	
Toluene*	<0.050	0.050	10/20/2017	ND	1.73	86.5	2.00	0.748	
Ethylbenzene*	<0.050	0.050	10/20/2017	ND	1.75	87.6	2.00	1.02	
Total Xylenes*	<0.150	0.150	10/20/2017	ND	5.30	88.3	6.00	2.27	
Total BTEX	<0,300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 72-148							
Chloride, SM4500CI-B	mg	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	16.0	16.0	10/20/2017	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	Qualifie
GRO C6-C10	<10.0	10.0	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	80.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	92.6	% 34.7-15	7						

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: J-2 (H702799-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quarte
Benzene*	<0.050	0.050	10/20/2017	ND	1.72	86.2	2.00	0.526	
Toluene*	<0.050	0.050	10/20/2017	ND	1.73	86.5	2.00	0.748	
Ethylbenzene*	<0.050	0.050	10/20/2017	ND	1.75	87.6	2.00	1.02	
Total Xylenes*	<0.150	0.150	10/20/2017	ND	5.30	88.3	6.00	2.27	
Total BTEX	<0.300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Linvi:	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	16.0	16.0	10/20/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS				1.37	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	80.0	% 28.3-16-							
Surrogate: 1-Chlorooctadecane	91.4	% 34.7-15	7						

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PLINE NOTE: Unbilly and Exercises. Curdinals liability and clients exclusive removes for any claim stoling, whether based in contract or tort, drall be limbed to the amount paid by client for manages. All claims, including those for negligations and any other cause evidationers shall be determed eather under made in vertical and necessarily (20), days after completion of the applicable service. To so event shall Customal be table for including any extract limbeton, business interruptions, loss of use, or loss or profits incomed by client, but subsidiates, affiliates or successor among out of or related to the performance of the amother because the service for the subsidiation of the amother of deviations. The performance of the amother because or otherwise feed and only to the service fee

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

REPUBLIC BACKHOE SERVICES ERIC GARCIA 47 E. DICKENS RD LOVINGTON NM, 88260 Fax To: NONE

 Received:
 10/16/2017

 Reported:
 10/23/2017

 Project Name:
 WYATT PHILIPS

 Project Number:
 NONE GIVEN

 Project Location:
 NOT GIVEN

 Sampling Date:
 10/13/2017

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Tamara Oldaker

Sample ID: J-6 (H702799-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quarte
Benzene*	<0.050	0.050	10/20/2017	ND	1.72	86.2	2.00	0.526	
Toluene*	<0.050	0.050	10/20/2017	ND	1.73	86.5	2.00	0.748	
Ethylbenzene*	< 0.050	0.050	10/20/2017	ND	1.75	87.6	2.00	1.02	
Total Xylenes*	<0.150	0.150	10/20/2017	ND	5.30	88.3	6.00	2.27	
Total BTEX	<0.300	0.300	10/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	64.0	16.0	10/20/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS				1.50	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	10/18/2017	ND	188	94.0	200	0.494	
DRO >C10-C28	<10.0	10.0	10/18/2017	ND	208	104	200	0.307	
EXT DRO >C28-C36	<10.0	10.0	10/18/2017	ND					
Surrogate: 1-Chlorooctane	80.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	85.7	% 34.7-15	7						

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

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 SM4500C-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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PURSON WOTTE: Libelity and Compage. Ordinals labelity and clearly exclusive remedy for any clean arising, whether based in command or port, drail be instinct to the amount gold by clear for analyses. All chains, including those for progressioned any other cause whotenesses what he desented valued under made in writing and received by Cardinal wells. Buttle, (OI) days after completion of the applicable service. In on execut drail Continual he labels for profession or consequential damages, including, whether interesticates, because interruptions, loss of use, or loss of profession including, whether a consequent acting out of or which to the performance of the services between the continual profession of the continual pro

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	BIEL TO	ANALYSIS REQUEST
Project Manager Giz Gorcia Address: (1) E. Dicken S State: Mile Phone #: \$75-671-012 Fax #: Project #: Project Name Wy H/hilip Project Location: Wy H/hilip	State: MW Zip: 88960 Attn Jon A. Deaning CCC Project Owner: Sull Light State: The Zip: 77070 State: The Zip: 77070 Phone #:	
Lab I.D. Sample I.D.	THER PRESERV SAMPLING	
1702799 200-1 30-1 36-1-5	#C	
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2	
Relinquished By: Relinquished By: Relinquished By: Date: Time: 3:25 Relinquished By:	Received By: Received By: Custoper Cu	@yahoo com
Delivered By: (Circle One) 1,1.C/	Sample Condition CHECKED BY: COOL INTEGRAL CO. (CALCE NO HYPOLI) COM.	& hatmail com

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

Page 18 of 19

2 of 2

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Sample L.D. State M. Zip. 88260 State M. Zip. 882	Sample I.D. SPARAB OR (C)O CONTAINERS ROUNDWATE ASTEWATER OOL LUDGE THER CID/BASE THER CID/BASE THER CID/BASE	S () () () () () () () () () (× × × × × × × × × × × × × × × × × × ×	15 J-6 6 V J W/3 17:04 X X X
COMPANSE ROUNDWATER RASTEWATER OIL THER: PRESERV SAMPLING TIME TOTAL TOTA	CONTAINERS ROUNDWATE ASTEWATER OIL RL LUDGE THER CID/BASE DE / COOL THER:	S () () () () () () () () () (6 0/0 0/0 0	5 / 1/3/13/19:04 × × × ×

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

Sampler - UPS - Bus - Other:

Delivered By: (Circle One) L. 1 . C/

CHECKED BY:

Time 3:25 Hally Lurband By:

Jasmine bour 20 @ yah oo com

ericgarcia 620 hotmal com

Page 19 of 19