District I								BBS C	CD			
District I 1625 N. French	Dr., Hobbs,	NM 88240		St Energy Mi	ate of	f New Mex	LICO		0.044	,		Form C-141
District II 811 S. First St.,	Artesia, NM	88210					al Resources	12	2014			August 8, 2011
District III 1000 Rio Brazo	s Road, Azte	c, NM 87410				rvation Di th St. Franc		Sut	a a	ccordance w	ith 19.1	trict Office in 15.29 NMAC.
District IV 1220 S. St. Fran	nois Dr., Sant	a Fe, NM 8750	5			Fe, NM 875	D	ECEIV	ED			
			Rel	ease Notific	catio	n and Co	orrective A	ction	1			
						OPERA			🗌 Initi	al Report	\boxtimes	Final Report
Name of Co Address		Oxy Permia tanolind Rd.		NTM 88240		Contact C Telephone I	No. (575) 397					
Facility Nat		Ramsey NC				Facility Typ	a contraction of the second se	-0210				
Surface Ow	mer Wil	lis		Mineral C)wner				API No	0.30-025-11	374(n	earest well)
				LOCA	TIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	h/South Line	Feet from the	East/	West Line	County		
	36	245	37E							Lea Count	y, NM	
]	Latitude <u>N 32.1</u>	7347°	Longitu	de <u>W 103.1234</u>	8°				
				NAT	URE	OF REL						
Type of Rele	ase Oil a	nd produced w	water				Release 25 bbls oduced water	oil,	Volume 1 0 bbls	Recovered		
Source of Re vessel to fall		e bottom of th	e separato	r ruptured causing	g the		Iour of Occurrence	e	Date and	Hour of Dis	covery	
Was Immedia	ate Notice (Yes [No 🗌 Not Re	- ouired	If YES, To Geoffrey I	Whom? .eking- NMOCD					
By Whom?	Kathy Pur				quirea		Iour 02/05/201	4 @ 4:0)1 pm			
Was a Water		ched?	Yes 🛛	1 No			olume Impacting t					
If a Watercou	rea was Im						an d					
II a watercou	use was mi	pacted, Desci.	ibe rully.									
Describe Cau	se of Proble	em and Reme	dial Action	n Taken.*								
The bottom o	f the senare	tor runtured a	ausing the	vessel to fall ove	r and h	ask 25 bbls of	oil and 35 bbls of	Functor	to leals onto	the ground	No fly	ida were
recovered.	i me separa	aor ruptureu e	ausing me	vessel to fail ove	and h	Cak 25 DOIS OF	on and 55 obis of	water	to leak onto	o me ground.	NO IIU	lius were
Describe Area	a Affected a	and Cleanup A	Action Tak	ten.*								
The affected a	area is appr	oximately 250)' x 250' o	n location and tra	veling	South and Eas	t into the pasture.	Reme	diation was	completed i	n accor	dance with
				ng of NMOCD vi						1		
				is true and compl								
				d/or file certain re e of a C-141 repo								
				investigate and re tance of a C-141 t								
federal, state,	or local la	s and/or regu	lations.		oporte							
C							AP	Γ	K (UV		
Signature:				- Contraction of the Contraction		Amproved		_				
Printed Name	: Chance	y Summers				Approved						
Title: HES	Specialist					Approval Date	e: 2/3/14	2]	Expiration	Date:		
E-mail Addres	ss: Chang	cey.Summers	a)oxy.com	1		Conditions of	Approval:			Attached		
	- 5-1		Phone:	(575) 397-8210	6							
Attach Addit	ional Shee	ts If Necessa	ary							1122	U	1136
										11-		1.4

Closure Report

HOBBS OCD

JUN 1 2 2014

Site Description	RECEIVED
WA Ramsey NCT C #3 Battery	가지 <u>다 아파고</u> 가지 않는 아파고 .
Oxy Permian Ltd.	
U/L L, Section 36, T24S, R37E	
Lea County, NM	
N 32.17347° W 103.12348°	
	WA Ramsey NCT C #3 Battery Oxy Permian Ltd. U/L L, Section 36, T24S, R37E Lea County, NM

Release Data

	에는 것은 것 것 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같
Date of Release:	02/04/2014
Type of Release:	Oil and produced water
Source of Release:	Bottom of separator ruptured caused the vessel to fall over
Volume of Release:	25 bbls oil and 35 bbls produced water
Volume Recovered:	0 bbls

	Remediatio	on Specifications
Remediation Parameters:	SP5 and SP7.	epth of 1.5 feet in the leak areas around SP1- In the area around SP6, excavate the area to a Then back fill the site with clean soil.
Remediation Activities:	05/10/2014 to 0	5/23/2014
Plan Sent to OCD:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	04/07/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	n/a	n/a

	Supporting Documentation
Initial C-141	Signed 02/06/2014
Final C-141	Signed 06/05/2014
Site Diagram	February 2014
Groundwater Plot	75'
TOPO Maps	February 2014
Lab Summary	02/12/2014-02/13/2014
Lab Analysis	02/12/2014-02/13/2014
Correspondence	Request and approval of remediation plan via email

n/a

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

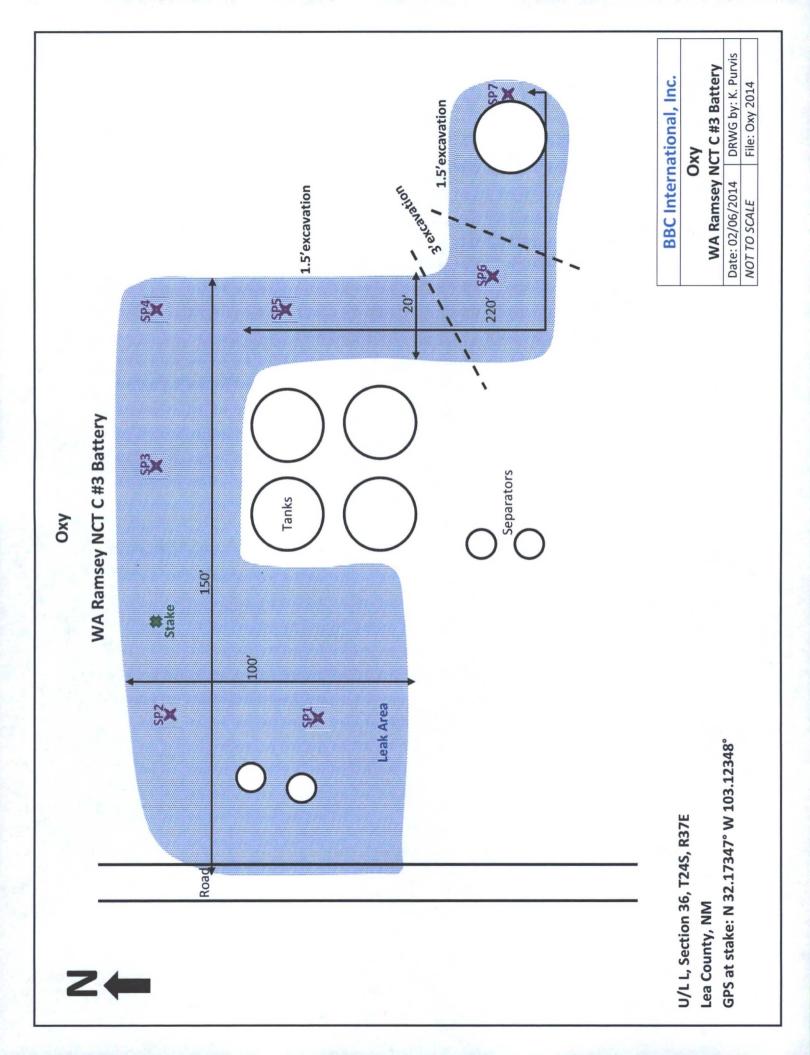
Cliff Brunson, President of BBC International Inc.

n/a

BLM Approval of Plan:

06/10/2014

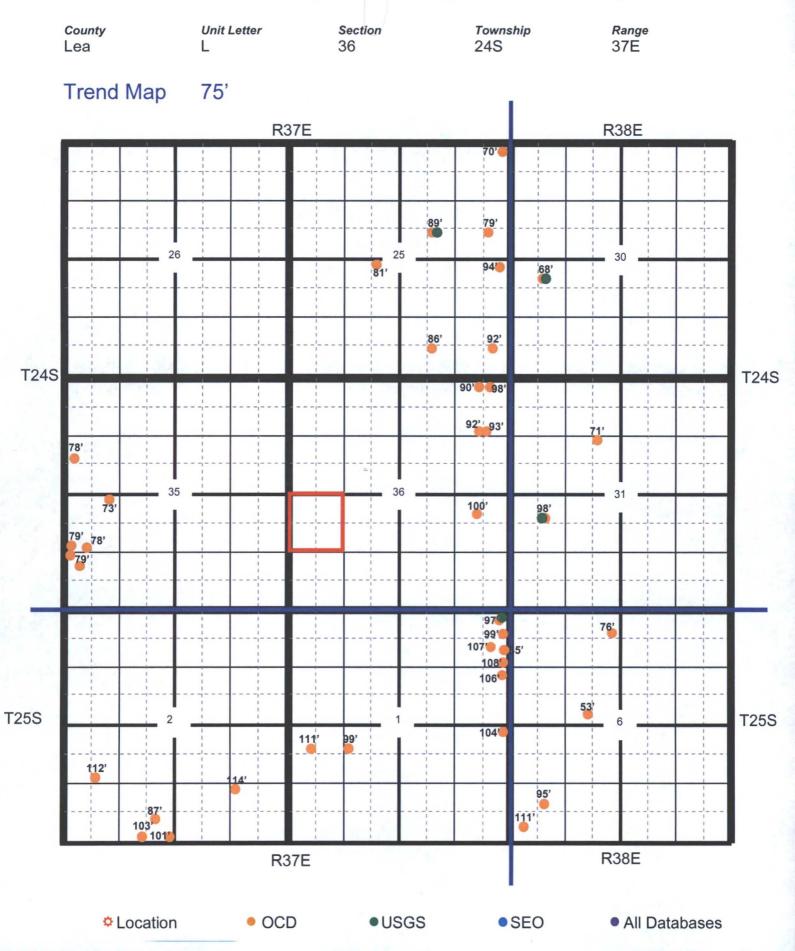
HOBBS OCD State of New Mexico District I Energy Minerals and Natural Resources 2 2014 1625 N. French Dr., Hobbs, NM 88240 Form C-141 Revised August 8, 2011 District II 811 S. First St., Artesia, NM 88210 Submit 1 Copy to appropriate District Office in District III Oil Conservation Division accordance with 19.15.29 NMAC. 1000 Rio Brazos Road, Aztec, NM 87410 RECEIVED 1220 South St. Francis Dr. District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 **Release Notification and Corrective Action OPERATOR** Initial Report Final Report Name of Company Oxy Permian Ltd. Contact Chancey Summers (575) 397-8216 Address 1017 W. Stanolind Rd, Hobbs, NM 88240 Telephone No. Facility Name WA Ramsey NCT C #3 Battery Facility Type Gathering Surface Owner Willis Mineral Owner API No.30-025-11374(nearest well) LOCATION OF RELEASE East/West Line Unit Letter Township North/South Line Section Range Feet from the Feet from the County 36 24S 37E Lea County, NM Latitude N 32.17347° Longitude W 103.12348° NATURE OF RELEASE Type of Release Oil and produced water Volume of Release 25 bbls oil, Volume Recovered 35 bbls produced water 0 bbls Source of Release The bottom of the separator ruptured causing the Date and Hour of Occurrence Date and Hour of Discovery vessel to fall over 02/04/2014 Was Immediate Notice Given? If YES, To Whom? Yes 🗌 No 🗌 Not Required Geoffrey Leking- NMOCD By Whom? Kathy Purvis 02/05/2014 @ 4:01 pm Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes X No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* The bottom of the separator ruptured causing the vessel to fall over and leak 25 bbls of oil and 35 bbls of water to leak onto the ground. No fluids were recovered. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 250' x 250' on location and traveling South and East into the pasture. Remediation will be completed in accordance with a remediation plan approved by NMOCD. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Chancey Summers Title: HES Specialist Approval Date: Expiration Date: E-mail Address: Chancey.Summers@oxy.com Conditions of Approval: Attached 2-6-14 Date: Phone: (575) 397-8216 * Attach Additional Sheets If Necessary





Groundwater Plot

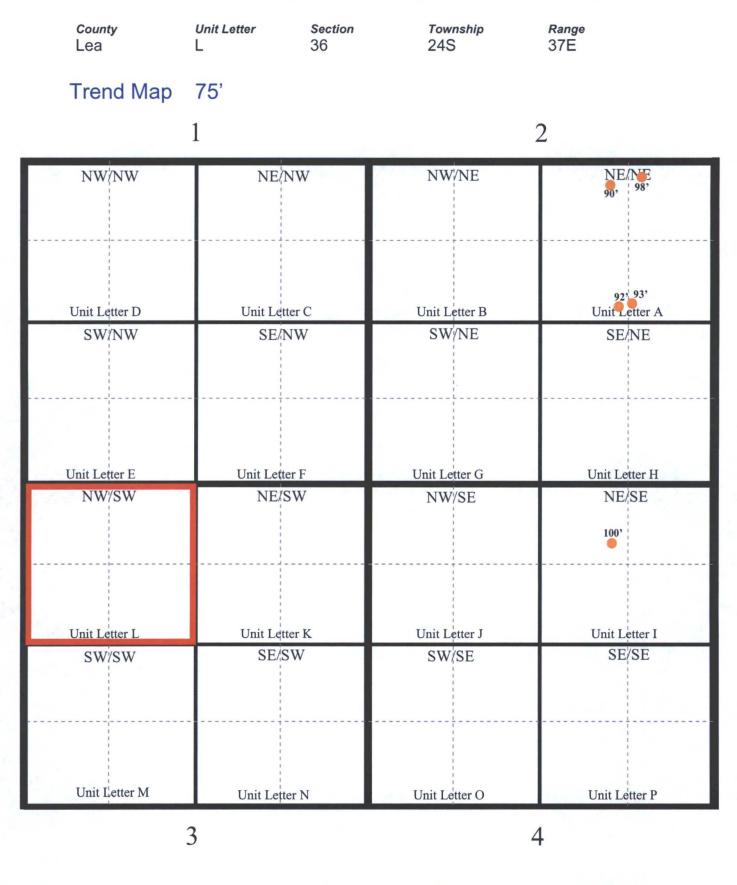
Oxy WA Ramsey NCT C #3 Battery





Section Quarters

Oxy WA Ramsey NCT C #3 Battery



Location

OCD

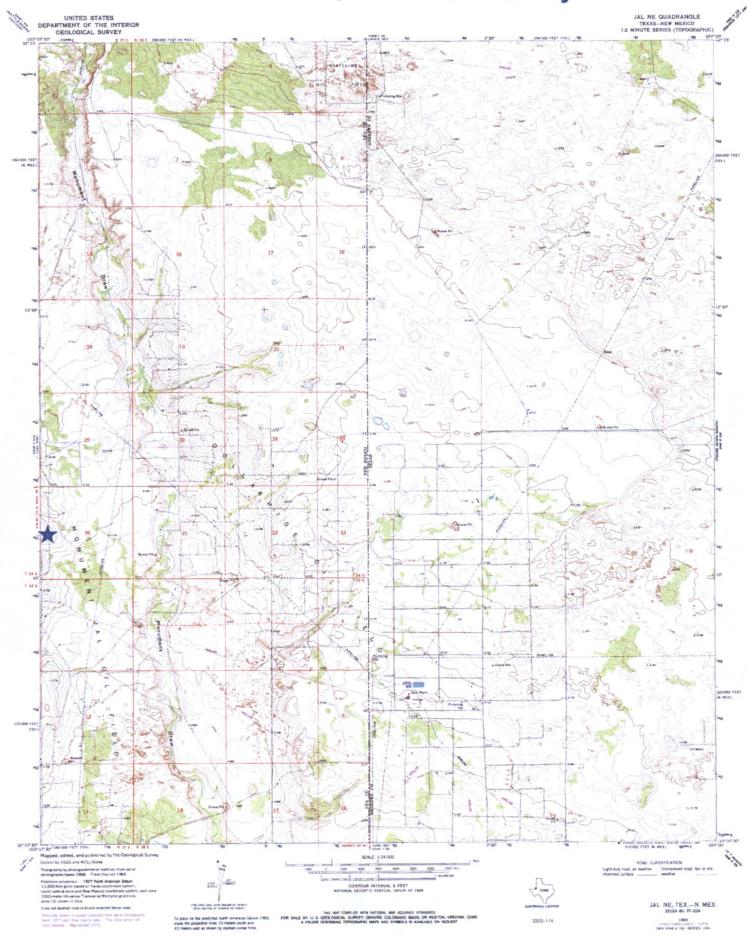
USGS

All Databases

SEO

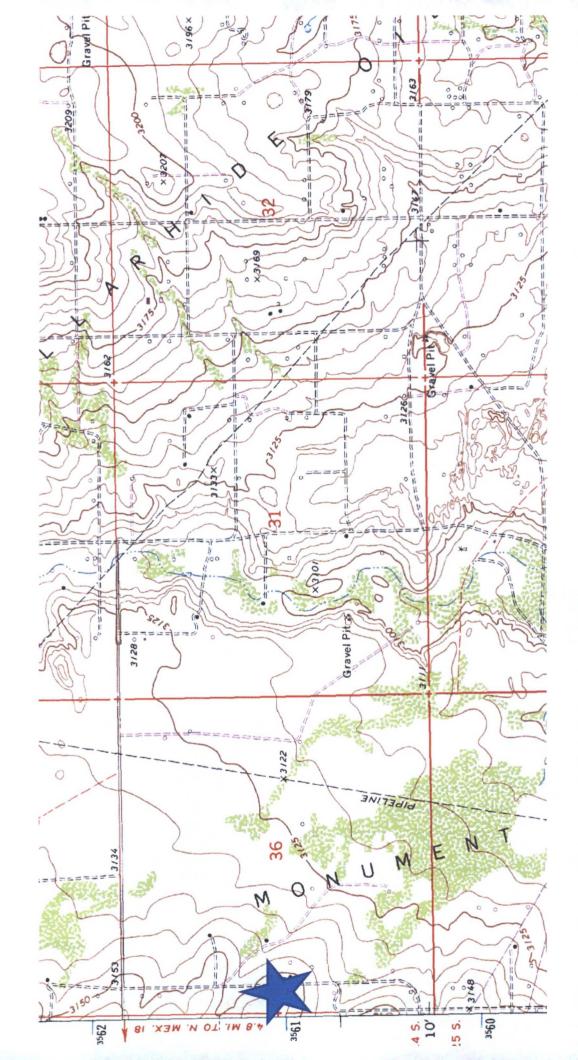
Оху

WA Ramsey NCT C #3 Battery



Oxy





Laboratory Analytical Results Summary WA Ramesy NCT C #3 Battery

		Sample	SP1@1	SP1 @ 2'
Analyte	Method	Date	2/12/14	2/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		48	48
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	64.3

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	2/12/14	2/12/14	2/12/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050
Toluene	BTEX 8021B		<0.200	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		0.77	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		3.26	<0.150	<0.150
Total BTEX	BTEX 8021B		4.03	<0.300	<0.300
Chloride	SM4500CI-B		304	160	128
GRO	TPH 8015M		226	<10.0	<10.0
DRO	TPH 8015M		2630	<10.0	<10.0

		Sample	SP3@1.	SP3@2'
Analyte	Method	Date	2/12/14	2/12/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		32	64
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		16.9	<10.0

		Sample	SP4@1	SP4 @ 2'	SP4 @ 4	SP4 @ 6'
Analyte	Method	Date	2/12/14	2/12/14	2/12/14	2/12/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	otal Xylenes BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		240	240	400	112
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP5@1	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	2/13/14	2/13/14	2/13/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B	~	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021E	~	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021E	~	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B	-	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		768	192	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP6@1	SP6 @ 3'	SP6 @ 5'
Analyte	Method	Date	2/13/14	2/13/14	2/13/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B	-	<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1250	656	320
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		22.9	<10.0	<10.0

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 3*
Analyte	Method	Date	2/13/14	2/13/14	2/13/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		384	336	80
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0



February 25, 2014

Cliff Brunson BBC International, Inc. P.O. Box 805 Hobbs, NM 88241

RE: RAMSEY #3 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/18/14 10:35.

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/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H400483-01)

mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
< 0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
<0.300	0.300	02/25/2014	ND					
96.1	% 61.3-14	2						
99.6	% 71.3-12	9						
96.9	% 65.7-14	1						
mg	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
mg	/kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/20/2014	ND	194	96.8	200	13.2	
<10.0	10.0	02/20/2014	ND	183	91.4	200	14.2	
97.9	% 65.2-14	0						
	Result <0.050 <0.050 <0.150 <0.300 96.7 99.6 96.9 mg, Result 48.0 mg, Result <10.0 <10.0	<0.050 0.050 <0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 96.1 % 61.3-14 99.6 % 71.3-12 96.9 % 65.7-14 mg/kg Result Reporting Limit 48.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400483-02)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.2	% 61.3-14	2						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	64.3	10.0	02/20/2014	ND	183	91.4	200	14.2	
Surrogate: 1-Chlorooctane	98.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 1' (H400483-03)

BTEX 8260B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.200	0.200	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	0.770	0.200	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	3.26	0.600	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	4.03	1.20	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.0	% 61.3-14	12						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	247	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/20/2014	ND	386	96.5	400	3.56	
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	226	50.0	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	2630	50.0	02/20/2014	ND	183	91.4	200	14.2	
Surrogate: 1-Chlorooctane	119	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	138	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 2' (H400483-04)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.5	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 3' (H400483-05)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.4	% 61.3-14	2						
Surrogate: Toluene-d8	99.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	116	65.2-14	0						
Surrogate: 1-Chlorooctadecane	117	63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 3 @ 1' (H400483-06)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2						
Surrogate: Toluene-d8	99.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	16.9	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	107	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 3 @ 2' (H400483-07)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	99.5	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms			4		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	95.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.4	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 1' (H400483-08)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95 .7	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	91.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	89.7	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 2' (H400483-09)

mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
< 0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
<0.300	0.300	02/25/2014	ND					
96.8	% 61.3-14	2						
101	% 71.3-12	9						
101	% 65.7-14	1						
mg	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
240	16.0	02/20/2014	ND	400	100	400	3.56	
mg	/kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
92.4	% 65.2-14	0						
91.8	% 63.6-15	4						
	Result <0.050 <0.050 <0.150 <0.300 96.8 101 101 Result 240 mg/ Result <10.0 <10.0	< 0.050 0.050 < 0.050 0.050 < 0.050 0.050 < 0.050 0.050 < 0.050 0.050 < 0.050 0.050 < 0.050 0.050 < 0.150 0.150 < 0.300 0.300 96.8 % 61.3-14 $101 %$ $71.3-12$ $101 %$ $65.7-14$ mg/kg Result Reporting Limit < 10.0 10.0 < 10.0 10.0 $92.4 %$	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 4' (H400483-10)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.7	% 61.3-14	12						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	98.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.3	% 63.6-15							

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 6' (H400483-11)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.3	% 61.3-14	2						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	89.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.4	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 5 @ 1' (H400483-12)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	<i>96.1</i>	% 61.3-14	2						
Surrogate: Toluene-d8	102	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	65.7-14	I						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	103	65.2-14	0						
Surrogate: 1-Chlorooctadecane	105	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 5 @ 3' (H400483-13)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.3	% 61.3-14	12						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	97.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 5 @ 4' (H400483-14)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	94.7	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.8	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	92.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.5	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 6 @ 1' (H400483-15)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.4	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	22.9	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	95.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102	63.6-15	1						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 6 @ 3' (H400483-16)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.1	% 61.3-14	2						
Surrogate: Toluene-d8	103	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.2	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.5	63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 6 @ 5' (H400483-17)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	99.5	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	101	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 7 @ 1' (H400483-18)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	9 <u>8</u> .8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.3	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 7 @ 2' (H400483-19)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	100	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	105	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 7 @ 3' (H400483-20)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.5	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	101	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Jennifer Gilkey

From:	Leking, Geoffrey R, EMNRD <geoffreyr.leking@state.nm.us></geoffreyr.leking@state.nm.us>
Sent:	Monday, April 07, 2014 12:00 PM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-WA Ramsey NCT C #3 Battery-Remediation Plan

Cliff

Per our conversation of April 2, 2014 and review of the below email and attachment, the remediation plan is approved for the OXY WA Ramsey NCT C #3 Battery. Thank you.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240 Office: (575) 393-6161 Ext. 113 Cell: (575) 399-2990 email: geoffreyr.leking@state.nm.us

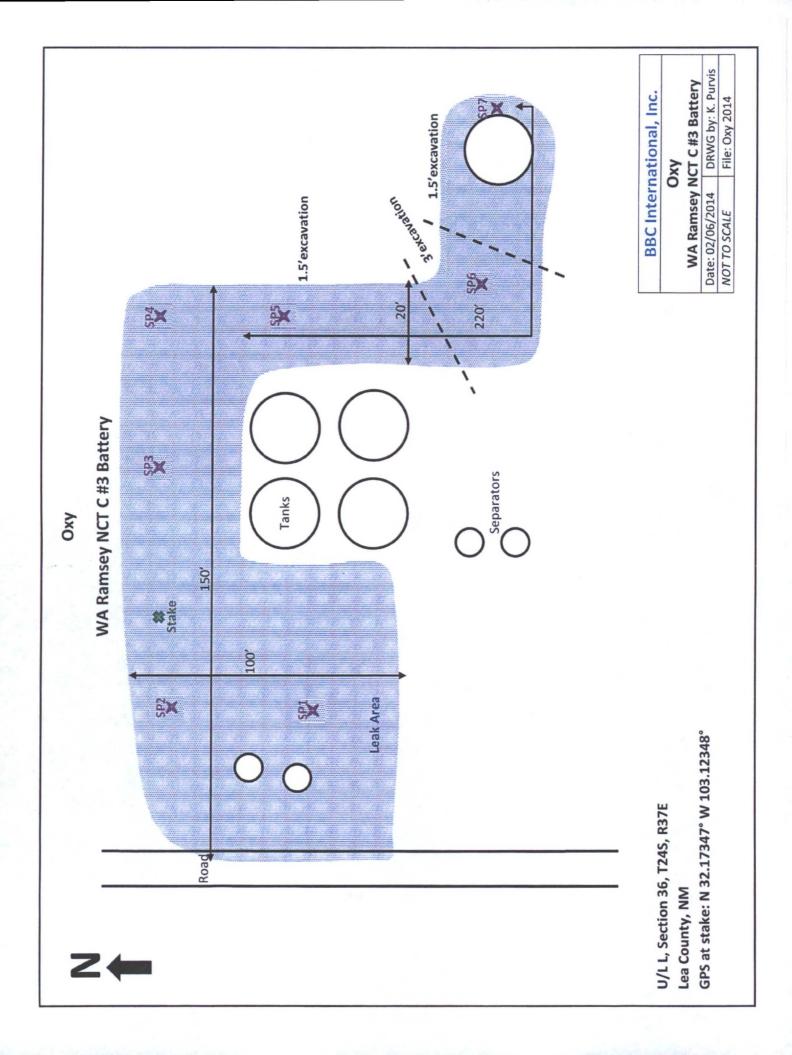
From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Saturday, April 05, 2014 7:45 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-WA Ramsey NCT C #3 Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on April 2, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1.5 feet in the leak area represented by sample points SP1-SP5 and SP7 that is depicted on the attached site diagram. In the area around SP6, the area will be excavated to a depth of 3 feet as depicted on the attached site diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

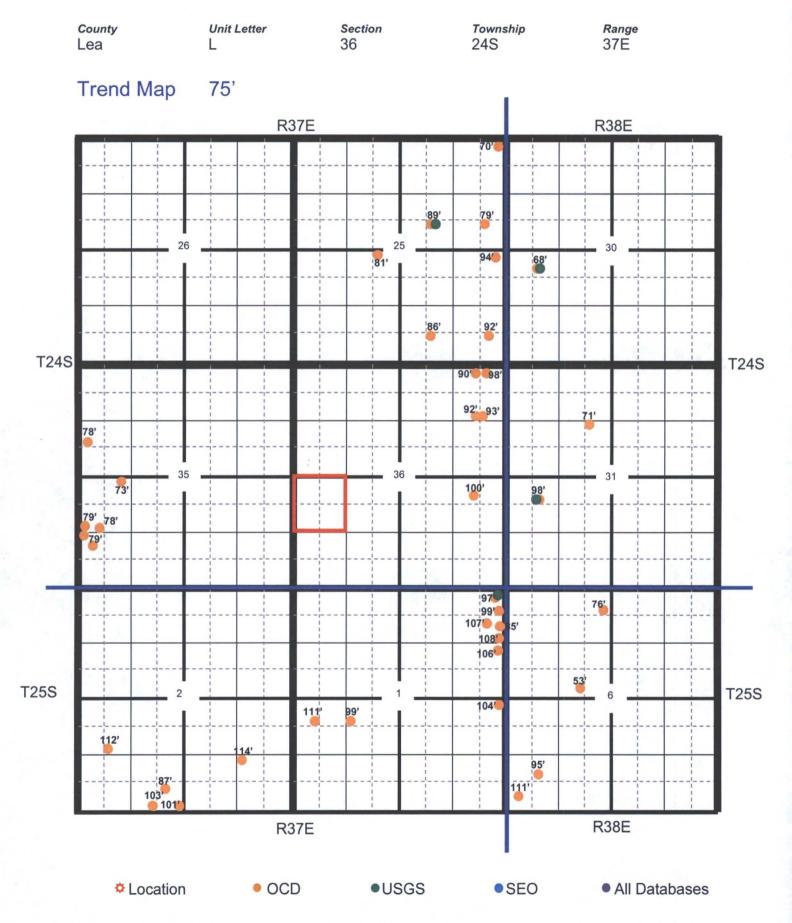
Thanks, Cliff





Groundwater Plot

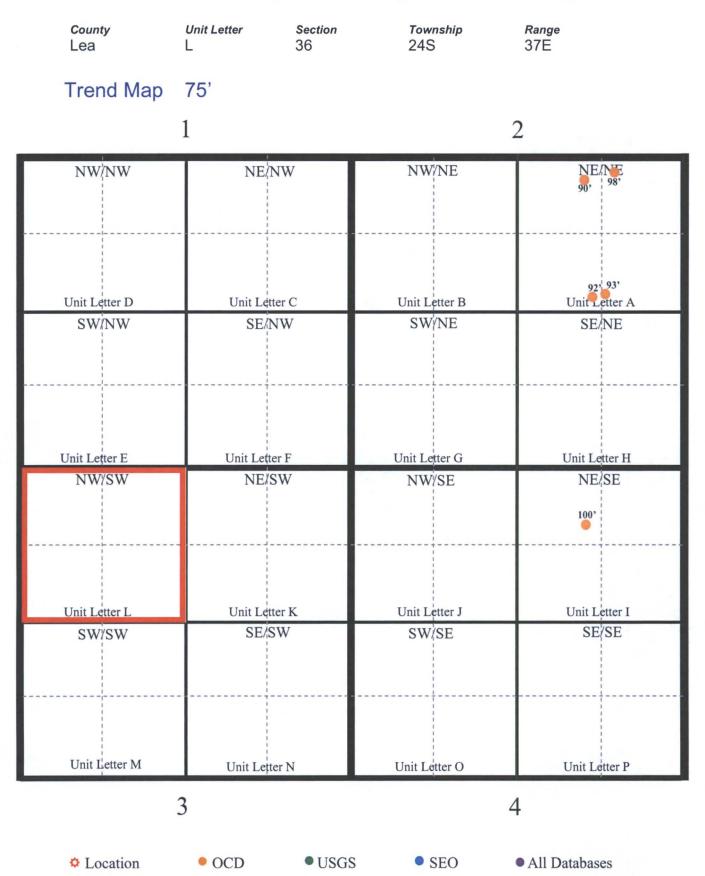
Oxy WA Ramsey NCT C #3 Battery





Section Quarters

Oxy WA Ramsey NCT C #3 Battery



Laboratory Analytical Results Summary WA Ramesy NCT C #3 Battery

Analyte Rample Sample Stample					
malyte Method Date 21/21/4 malyte Method Date 21/21/4 ene BTEX 8021B <0.050 mg/kg ene BTEX 8021B <0.050 ene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 Xylenes BTEX 8021B <0.050 Xylenes BTEX 8021B <0.300 Xylenes BTEX 8021B <0.300 Xylenes BTEX 8021B <0.300 Xylenes BTEX 8021B <0.300 TPH 8015M <10.0			Sample	SP1@1'	SP1@2'
mgkg mgkg ene BTEX 8021B <0.050 ene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 Xylenes BTEX 8021B <0.150 BTEX BTEX 8021B <0.300 ide SM4500Cl-B <0.300 TPH 8015M <10.0 <10.0 TPH 8015M <10.0 <10.0	Analyte	Method	Date	2/12/14	2/12/14
ene BTEX 8021B <0.050				mg/Kg	mg/Kg
ine BTEX 8021B <0.050	Benzene	BTEX 8021B		<0.050	<0.050
benzene BTEX 8021B <0.050	Toluene	BTEX 8021B		<0.050	<0.050
Xylenes BTEX 8021B <0.150	Ethylbenzene	BTEX 8021B		<0.050	<0.050
BTEX BTEX 8021B <0.300	Total Xylenes	_		<0.150	<0.150
ide SM4500Cl-B 48 TPH 8015M <10.0 TPH 8015M <10.0	Total BTEX	BTEX 8021B		<0.300	<0.300
TPH 8015M <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <1	Chloride	SM4500CI-B		48	48
TPH 8015M <10.0	GRO	TPH 8015M		<10.0	<10.0
	DRO	TPH 8015M		<10.0	64.3

		Sample	SP2 @ 1'	SP2@2'	SP2 @ 3'
Analyte	Method	Date	2/12/14	2/12/14	2/12/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050
Toluene	BTEX 8021B		<0.200	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.77	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.26	<0.150	<0.150
Total BTEX	BTEX 8021B		4.03	<0.300	<0.300
Chloride	SM4500CI-B		304	160	128
GRO	TPH 8015M		226	<10.0	<10.0
DRO	TPH 8015M		2630	<10.0	<10.0

Imalytic Method Date 21/21/4 malytic Method Date 21/21/4 ene BTEX 8021B <0.050 mg/kg ene BTEX 8021B <0.050 mg/kg ene BTEX 8021B <0.050 mg/kg benzene BTEX 8021B <0.050 mg/kg Xylenes BTEX 8021B <0.050 mg/kg Xylenes BTEX 8021B <0.150 mg/gg Xylenes BTEX 8021B <0.150 mg/gg Xylenes BTEX 8021B <0.150 mg/gg TPH 8015M <10.00 <10.00 mg/gg			Sample	SP3@1	SP3 @ 2'
mg/kg mg/kg BTEX 8021B <0.050 BTEX 8021B <0.150 BTEX 8021B <0.150 BTEX 8021B <0.150 BTEX 8021B <0.150 TPH 8015M <10.0 TPH 8015M <10.0	Analyte	Method	Date	2/12/14	2/12/14
ene BTEX 8021B <0.050		Lee a		mg/Kg	mg/Kg
Internet BTEX 8021B <0.050	Benzene	BTEX 8021B		<0.050	<0.050
benzene BTEX 8021B <0.050	Toluene	BTEX 8021B		<0.050	<0.050
Xylenes BTEX 8021B <0.150	Ethylbenzene	BTEX 8021B		<0.050	<0.050
BTEX BTEX 8021B <0.300	Total Xylenes	BTEX 8021B		<0.150	<0.150
ide SM4500CI-B 32 TPH 8015M <10.0 TPH 8015M 16.9	Total BTEX	BTEX 8021B		<0.300	<0.300
TPH 8015M <10.0 TPH 8015M 16.9	Chloride	SM4500CI-B		32	64
TPH 8015M 16.9	GRO	TPH 8015M		<10.0	<10.0
	DRO	TPH 8015M		16.9	<10.0

		Sample	SP4@1'	SP4 @ 2'	SP4 @ 4'	SP4 @ 6'
Analyte	Method	Date	2/12/14	2/12/14	2/12/14	2/12/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		240	240	400	112
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP5@1	SP5@3'	SP5 @ 4'
Analyte	Method	Date	2/13/14	2/13/14	2/13/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		768	192	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

malyte Method Date 21314 malyte Method Date 21314 ene BTEX 8021B <0.050 mg/kg ene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 Xylenes BTEX 8021B <0.150 Xylenes BTEX 8021B <0.150 Titek BTEX 8021B <0.150 Titek 8021B <0.300 Titek 8015M <1250 Titek 8015M <10.0			Sample	SP6 @ 1'	SP6 @ 3'	SP6@5'
mg/kg mg/kg ene BTEX 8021B <0.050 ane BTEX 8021B <0.050 benzene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 benzene BTEX 8021B <0.050 Xylenes BTEX 8021B <0.150 BTEX BTEX 8021B <0.150 ide SM4500Cl-B <0.300 TPH 8015M <10.0 <10.0	Analyte	Method	Date	2/13/14	2/13/14	2/13/14
ene BTEX 8021B <0.050				mg/Kg	mg/Kg	mg/Kg
ene BTEX 8021B <0.050	Benzene	BTEX 8021B		<0.050	<0.050	<0.050
benzene BTEX 8021B <0.050	Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Xylenes BTEX 8021B <0.150	Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
BTEX BTEX 8021B <0.300				<0.150	<0.150	<0.150
ride SM4500CI-B 1250 TPH 8015M <10.0 TPH 8015M 22.9	Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
TPH 8015M <10.0	Chloride	SM4500CI-B		1250	656	320
TPH 8015M 22.9	GRO	TPH 8015M		<10.0	<10.0	<10.0
	DRO	TPH 8015M		22.9	<10.0	<10.0

	Sample	SP7@1'	SP7 @ 2'	SP7 @ 3'
Method	Date	2/13/14	2/13/14	2/13/14
		mg/Kg	mg/Kg	mg/Kg
BTEX 8021B		<0.050	<0.050	<0.050
BTEX 8021B		<0.050	<0.050	<0.050
BTEX 8021B		<0.050	<0.050	<0.050
BTEX 8021B		<0.150	<0.150	<0.150
BTEX 8021B		<0.300	<0.300	<0.300
SM4500CI-B		384	336	80
TPH 8015M		<10.0	<10.0	<10.0
TPH 8015M		<10.0	<10.0	<10.0
	Method Method TTEX 8021B TTEX 8021B TTEX 8021B TTEX 8021B M4500CI-B PH 8015M PH 8015M		Sample Date	Sample SP7 @ 1' Date 21314 Date 21314 mg/kg mg/kg c0.050 <0.050 c10.050 <0.050 c20.050 <0.050 c20.050 <0.050 c20.050 <0.050 c30.300 <0.050 c0.050 <0.050 c10.00 <0.050 c10.00 <10.00



February 25, 2014

Cliff Brunson BBC International, Inc. P.O. Box 805 Hobbs, NM 88241

RE: RAMSEY #3 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/18/14 10:35.

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/qa/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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 1' (H400483-01)

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
< 0.050	0.050	02/25/2014	ND	1.96	98.0	2.00	1.35	
<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
<0.300	0.300	02/25/2014	ND					
96.1	% 61.3-14.	2						
99.6	% 71.3-12	9						
96.9	% 65.7-14	1						
mg/	kg	Analyze	d By: HM	1				
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
48.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
mg/	kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/20/2014	ND	194	96.8	200	13.2	
<10.0	10.0	02/20/2014	ND	183	91.4	200	14.2	
97.9	% 65.2-14	0						
99.3	63.6-15	4						
	<0.050 <0.050 <0.150 <0.300 96.1 99.6 99.6 mg/ Result 48.0 mg/ Result <10.0 <10.0	<0.050 0.050 <0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 96.1 % 61.3-14 99.6 % 71.3-12 99.6 % 71.3-12 96.9 % 65.7-14 mg/kg Result Reporting Limit 48.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 97.9 % 65.2-14	 <0.050 0.050 0.2/25/2014 <0.050 0.050 0.2/25/2014 <0.050 0.2/25/2014 <0.150 0.150 0.2/25/2014 <0.300 0.2/25/2014 <0.300 0.2/25/2014 <0.300 0.300 0.2/25/2014 <0.300 0.300 0.2/25/2014 <0.300 0.300 0.2/25/2014 <0.300 0.300 0.300	<0.050 0.050 $02/25/2014$ ND <0.050 0.050 $02/25/2014$ ND <0.050 0.050 $02/25/2014$ ND <0.150 0.150 $02/25/2014$ ND <0.300 $02/25/2014$ ND <0.300 $02/25/2014$ ND <0.300 $02/25/2014$ ND 96.1 $61.3-142$ ND 96.9 $61.3-142$ ND 96.9 $65.7-141$ ND mg/kg $65.7-141$ ND Result Reporting Limit Analyzed Method Blank 48.0 16.0 $02/20/2014$ ND $Result$ $Reporting Limit$ Analyzed Method Blank <10.0 $02/20/2014$ ND ND <10.0 $02/20/2014$ ND ND <10.0 $02/20/2014$ ND ND	<0.050	<0.050	<0.050	<0.050

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*=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 1 @ 2' (H400483-02)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.2	% 61.3-14	12						
Surrogate: Toluene-d8	104	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	64.3	10.0	02/20/2014	ND	183	91.4	200	14.2	
Surrogate: 1-Chlorooctane	98.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 1' (H400483-03)

BTEX 8260B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.200	0.200	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	0.770	0.200	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	3.26	0.600	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	4.03	1.20	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.0	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	247	65.7-14	1						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/20/2014	ND	386	96.5	400	3.56	
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	226	50.0	02/20/2014	ND	194	96.8	200	13.2	
DRO >C10-C28	2630	50.0	02/20/2014	ND	183	91.4	200	14.2	
Surrogate: 1-Chlorooctane	119 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	138	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 2' (H400483-04)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.5	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 2 @ 3' (H400483-05)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.4	% 61.3-14	12						
Surrogate: Toluene-d8	99.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	116 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	117 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 3 @ 1' (H400483-06)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2						
Surrogate: Toluene-d8	99.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	16.9	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	107	65.2-14	0						
Surrogate: 1-Chlorooctadecane	110	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 3 @ 2' (H400483-07)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	99.5	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					2
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	95.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.4	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 1' (H400483-08)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.7	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2014	ND	386	96.5	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	91.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	89.7	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 2' (H400483-09)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.8	% 61.3-14	2						
Surrogate: Toluene-d8	101	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	65.7-14	1						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	92.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.8	63.6-15	4						

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall note performance of cardinal laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 4' (H400483-10)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.7	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	98.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	<u>99.3</u>	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/12/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 4 @ 6' (H400483-11)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.3	% 61.3-14	2						
Surrogate: Toluene-d8	104 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	89.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.4	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 5 @ 1' (H400483-12)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.1	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	103	65.2-14	0						
Surrogate: 1-Chlorooctadecane	105	63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 5 @ 3' (H400483-13)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.3	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	97.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	% 63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 5 @ 4' (H400483-14)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	94.7	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.8	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	92.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.5	% 63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 6 @ 1' (H400483-15)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.4	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	% 65.7-14	1						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	22.9	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	95.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102	63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 6 @ 3' (H400483-16)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.1	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.2	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.5	% 63.6-15	4						

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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 6 @ 5' (H400483-17)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	99.5	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	101	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	103	63.6-15	4						

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02/18/2014	Sampling Date:	02/13/2014
02/25/2014	Sampling Type:	Soil
RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
NONE GIVEN	Sample Received By:	Jodi Henson
JAL, NM		
	02/25/2014 RAMSEY #3 BATTERY NONE GIVEN	02/25/2014Sampling Type:RAMSEY #3 BATTERYSampling Condition:NONE GIVENSample Received By:

Sample ID: SP 7 @ 1' (H400483-18)

Iue QC RPD Qualifier 00 1.35
00 1.78
0 3.00
2.33
lue QC RPD Qualifier
0 3.56
lue QC RPD Qualifier
0 2.56
0 3.87
40

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 7 @ 2' (H400483-19)

It Reporting Limit 50 0.050 50 0.050	02/25/2014	Method Blank	BS	% Recovery	True Value QC	RPD	0
		ND				I'd D	Qualifier
50 0.050			1.96	98.0	2.00	1.35	
	02/25/2014	ND	2.00	100	2.00	1.78	
50 0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
50 0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
0.300	02/25/2014	ND					
61.3-	142						
71.3-	129						
65.7-	141						
mg/kg	Analyze	Analyzed By: HM					
It Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	02/20/2014	ND	400	100	400	3.56	
mg/kg	Analyze	d By: ms					
It Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
0 10.0	02/21/2014	ND	217	109	200	2.56	
0 10.0	02/21/2014	ND	212	106	200	3.87	
65.2-	140						
63.6-1	154						
	00 0.300 100 % 61.3 103 % 71.3 100 % 65.7 mg/kg ult Reporting Limit 5 16.0 mg/kg ult Reporting Limit .0 10.0 .0 10.0 105 % 65.2	00 0.300 02/25/2014 100 % 61.3-142 103 % 71.3-129 100 % 65.7-141 mg/kg Analyzed 11t Reporting Limit Analyzed 02/20/2014 mg/kg Analyzed 101 0 02/21/2014 102 10.0 02/21/2014 100 10.0 02/21/2014	00 0.300 02/25/2014 ND 100 % 61.3-142	00 0.300 02/25/2014 ND 100 % 61.3-142	00 0.300 02/25/2014 ND 100 % 61.3-142 103 % 71.3-129 100 % 65.7-141 mg/kg Analyzed By: HM Idt Reporting Limit Analyzed 100 % 02/20/2014 ND 400 100 % 02/21/2014 ND 400 100 % 02/21/2014 ND 217 100 % 02/21/2014 ND 212 105 % 65.2-140	00 0.300 02/25/2014 ND 100 % 61.3-142 103 % 71.3-129 100 % 65.7-141 mg/kg Analyzed By: HM Idt Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 5 16.0 02/20/2014 ND 400 100 400 mg/kg Analyzed By: ms It Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 0 10.0 400<	00 0.300 02/25/2014 ND 100 % 61.3-142 103 % 71.3-129 100 % 65.7-141 mg/kg Analyzed By: HM Idt Reporting Limit Analyzed By: HM Idt Reporting Limit Analyzed By: HM Idt Reporting Limit Analyzed By: ms True Value QC RPD analyzed By: ms Method Blank BS % Recovery True Value QC RPD .0 10.0 02/21/2014 ND 217 109 200 2.56 .0 10.0 02/21/2014 ND 212 106 200 3.87

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/18/2014	Sampling Date:	02/13/2014
Reported:	02/25/2014	Sampling Type:	Soil
Project Name:	RAMSEY #3 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	JAL, NM		

Sample ID: SP 7 @ 3' (H400483-20)

BTEX 8260B	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	02/25/2014	ND	1.96	98.0	2.00	1.35	
Toluene*	<0.050	0.050	02/25/2014	ND	2.00	100	2.00	1.78	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	1.94	97.2	2.00	3.00	
Total Xylenes*	< 0.150	0.150	02/25/2014	ND	5.86	97.7	6.00	2.33	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.5	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/20/2014	ND	400	100	400	3.56	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/21/2014	ND	217	109	200	2.56	
DRO >C10-C28	<10.0	10.0	02/21/2014	ND	212	106	200	3.87	
Surrogate: 1-Chlorooctane	101	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

† Cardinal c	Sampler - UPS -	Delivered By:	Kelinquished By:		An hauenhuiavi	affiliales or successors arising		PLEASE NOTE: Liability and	0	00	22	10	2-	4	.0	1		HYDOHR		Lab I.D.		FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: //	Project #:	Phone #: 575-3	city: Hobbs	0	Project Manager:	Company Name:	(P)
annot accept verba	Bus - Other:	(Circle One)		0	1×1	g out of or related to the performen	denta		DWO VIET	ALT OLO	C C AFT	A See YLL	Prest	SP de det	LAG TH	1 10 art	SY 201Ft			Sample I.D.			Gard KAU	Jal	Kamsey #3		575-397-6388	A CONTRACT OF A	Box 805			RDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824 (505) 393-2326 FAX (505) 393-2476
I changes. Please 1	5	10-22	Time: 24	- which	PI Kilt	e of services her	r cause whatsoe	client's exclusive remedy for any					~				2							-	Battery	Project Owner:	Fax #: 575-3	State: NM			nal, Inc.	2DINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 ${ m H}$	200	Sample Condition	Received By:		La Marana	final, regardless of whether such	ver shall be deemed waived unless made in writing	claim arising whether based in co	20	14	24	X X X X X X	, F	X	N C P	X	4	# CO GRO		OR (C) AINERS OWATE VATER	R	MATRIX				ocy	575-397-0397	Zip: 88241				õ
to 505-393-2476	13	ndition CHECKED	1 ensor				ng and received by Cardinal	in contract or tort, shall be limited to the	- X P		K A	X	X		1 2-	X 2	L X J		DGE IER : D/BA / CO IER :	SE: OL		X PRESERV.	Fax #:	Phone #:	State:	city:	Address:	Attn:	Company:	P.O. #:	1127	
	2	D BY:	1,		Fax Result:	ve stated rea	30 days after completio		11 11 1.	12-14/25	51:214 -01-2	9.12- H 12:00	1.1- M/1:30	OC 11 11-CI.	51 :11 hi -CI-	54:11 11-2-2	2.12-14 10:30	DATE TIME				SAMPLING			Zip:	Muc	11				CITATE CONTROL	CHAIN
					IL Yes I No		e applicable	N X X		XXX	XXX	XXX	XXX	XXX	XXXX	XIXX	XXX		TIB	PH-T	7	x										CHAIN-OF-CUSTO
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	Sampler - UPS - Bus - Other:	Sample Cool	Relinquished By:	A TIDE DOD 4	Relinquished By: Date Date Date Automatic of the and the second an	e for negligence and any other cause what be liable for incidental or consequental da	PLEASE NOTE: Liability and Damages. Cardinal's liability and cliant's exclusive remedy for any chain antino whether haved in contrast or too shall be	1 +26 OL ds	X +31 200381	10 5 10 2 7 1 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VHIT CONDS	14 Sb2@htt / 6 7 8	SPSC JET	SPS@1Fty	SPUC 6FTV BALLY	# CO GRO WAS SOII	RAB OR (C)OME DNTAINERS DUNDWATER STEWATER	FOR LAB USE ONLY	Sampler Name: Cary Lat	Project Location: JCC	Project Name: Range by #3	Project #: Project Owner: OX	5-397-6388 Fax #: 575-	City: Hobbs State: NM Zip: 88241	Address: P.O. Box 805	Project Manager: Cliff Brunson	Company Name: BBC International, Inc.		
0 505-393-2476	No UTA	CHECKED BY:			Phone Result: Proc Add'I Phone #: Fax Result: Yes INO Add'I Phone #:	ispever shall be deemed welved unless made in writing and received by Cardinat which 30 days after competion of the applicable mages, including without limitation, business interceptions, loss of use, or loss of profile hoursed by claimt, its subsidiarizes,	2-13-14	V 2-17/11,2:45 X X X X		13-11	X X X	K 2-13- MM:15 XXX	12	121	N-9-14		DGE HER: D/BASE: /COOL HER: TPH B-TP/ CL	PRESERV SAMPLING	Fax #	Phope#:	State:	City my the	Address:	Attn	Company:		BILL TO ANALYSIS REQUEST	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	

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Or

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

				50	uniter 1	0, 14141 075												
			Rel	ease Notifie	catio	n and Co	orrective A	ction	t									
						OPERA	TOR		🛛 Init	ial Report		Final Repo						
Name of Co		Oxy Permia					Chancey Summe											
		tanolind Rd,				Telephone 1		7-8216										
Facility Nat	me WA	Ramsey NC	Т C #3 В	lattery	Facility Typ	e Gathering												
Surface Ow	mer Will	lis		Mineral (API N	0.30-025-11	374(n	earest well)							
				LOCA	ATIO	N OF REI	LEASE											
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/V	Vest Line	County								
	36	24S	37E							Lea Count	y, NM							
			J	Latitude N 32.1	7347°	Longitu	de <u>W 103.1234</u>	8°										
						OF REL												
Type of Rele	ase Oil ar	nd produced w	vater	IVAL	UKE		Release 25 bbls	oil,	Volume	Recovered								
		-					oduced water		0 bbls									
Source of Revessel to fall		bottom of the	e separato	r ruptured causing	g the	Date and H 02/04/2014	lour of Occurrenc	e	Date and	Hour of Dis	covery							
Was Immedia	ate Notice G		Vec [No 🗌 Not Ro	emired	If YES, To												
By Whom?	Kathy Pur				equireu	ded Geoffrey Leking- NMOCD Date and Hour 02/05/2014 @ 4:01 pm												
Was a Water						If YES, Volume Impacting the Watercourse.												
			Yes 🛛	No														
If a Watercou	nse was mij	Jacieu, Descri	be runy.															
Describe Cau	se of Proble	em and Remed	lial Action	n Taken.*														
						1.05111			1 1 .		21.0							
recovered.	i the separa	tor ruptured c	ausing the	vessel to fall ove	er and le	eak 25 bbls of	oil and 35 bbls of	t water to	o leak onto	o the ground.	No flu	nds were						
Describe Are	Affected a	nd Cleanup A	ction Tak	en *														
Describe Are		and Creanup A																
The affected a with a remedi	area is appro	pproved by N	" x 250' o MOCD.	n location and tra	veling !	South and Eas	t into the pasture.	Remed	liation wil	l be complete	d in ac	cordance						
regulations al public health should their o	l operators a or the enviro perations ha iment. In ac	are required to onment. The ave failed to a ldition, NMO	acceptanc dequately CD accep	d/or file certain re e of a C-141 repo investigate and re	elease n ort by th emediat	otifications an e NMOCD ma e contaminatio	id perform correc arked as "Final Re on that pose a thre	tive acti eport" de eat to gre	ons for rel oes not rel ound wate	eases which ieve the oper r, surface wa	may en ator of ter, hur	danger liability nan health						
, , , ,							OIL CONS	SERV	ATION	DIVISIO	N							
Signature:																		
Printed Name	: Chance	y Summers				Approved by	Environmental Sp	pecialist		Lea County, NM ume Recovered ols e and Hour of Discovery								
Title: HES	Specialist					Approval Date	e:	E	Expiration	Date:								
E-mail Addre	ss: <u>Chanc</u>	ey.Summers(@oxy.com			Conditions of	Approval:			Attached								
	-6-10		Phone:	(575) 397-821	6					- station of	-							
Attach Addit	ional Shee	te If Necessa	111															