Received	by	OCD:	3/13/2	2023	3:40:22	PM
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District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

		·	T D 1			e, NM 875						
			Kel	ease Notiti	catio		orrective A	ction				
Name of C		Oxy USA Ir				OPERA'			Initi	al Report	\times	Final Report
	<u> </u>	tanolind Rd,		M		Contact C Telephone I	Chancey Summe No. (575) 397					
Facility Na			110000,1			Facility Typ	· · · · ·	0210				
Surface Ow	mer BLN	M		Mineral (Owner	·····			API No	. 30-025-3	2755	
				LOC		N OF REI	FASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County		
м	27	22S	32E	580'		South	790'		West	Lea		
				Latitude <u>N 32.</u>			ide <u>W 103.6680</u>			Lea		
						OF RELI		<u> </u>				
Type of Rele	ase Produ	iced Water			UKE		Release 15 bbls	3	Volume F	Recovered	0 bbls	
Source of Re	lease Stuffi	ng box leak o	n well hea	ıd		Date and H	lour of Occurrence		Date and	Hour of Dis		
Was Immedi	ate Notice C	liven?				02/18/2014 If YES, To						
,		_	Yes	No 🗌 Not R	equired		eking- NMOCD,	Jennife	r Van Cure	n- BLM		
		vis, BBC Inte	rnational			Date and H						
Was a Water	course Reac		Yes 🛛	No		If YES, Vo	lume Impacting th	he Wate	ercourse.			
If a Watercou	urse was Imi	pacted Descri	be Fully.*	· · · · · · · · · · · · · · · · · · ·								
Describe Cau	an of Deet i			- T. 1								
					er onto f	he ground. N	o fluids were reco	overed a	nd the stuf	fing box wa	s repair	ed.
Describe Are	a Affected a	nd Cleanup A	ction Tak	en.*								
The affected remediation p	area was apj blan approve	proximately 2 ed by Geoffrey	0' x 60' or / Leking o	n the location pac of NMOCD via er	l and 2' : nail on (x 15' off the l)7/01/2014 an	ocation pad. Rem d approved by Jer	nediatio nnifer V	n was comj an Curen i	pleted in acc n a meeting	ordane on 06/3	e with the 30/2014.
regulations al public health should their c	l operators a or the envir- operations ha ument. In ac	are required to onment. The ave failed to a Idition, NMO	report an acceptance dequately CD accept	d/or file certain r e of a C-141 repo investigate and re	elease no ort by the emediate	otifications an NMOCD ma contamination	knowledge and ur d perform correct rked as "Final Re on that pose a thre the operator of re	tive acti eport" de at to gre	ons for rele oes not reli- ound water	eases which eve the oper , surface wa	may en ator of ter, hur	danger liability nan health
Signature:	\subset			>			OIL CONS	SERV	ATION	DIVISIO	<u>N</u>	
Printed Name	: Chance	y Summers			1	Approved by]	District Superviso	or: Jo	ocelyn H	arimon		
Title: HES	Advisor					Approval Date	<u>.</u> 04/10/2023	3 _E	Expiration I	Date:		
E-mail Addre	ss: Chanc	ey_Summers(@oxy.com	1		Conditions of	Approval:				_	
	0.10-			ne: (575) 397-821		None				Attached		
Attach Addit	ional Shee	ts If Necessa								1		

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Page 1 of 59

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Site Description							
Site Name:	Federal 27 #8						
Company:	Oxy Permian Ltd.						
Legal Description:	U/L M, Section 27, T22S, R32E						
County:	Lea County, NM						
GPS Coordinates:	N 32.35703° W 103.66887°						

Release Data

Date of Release:	02/18/2014
Type of Release:	Produced water
Source of Release:	Stuffing box leak on wellhead
Volume of Release:	15 bbls
Volume Recovered:	0 bbls

	Remediatio	n Specifications						
Remediation		epth of a minimum of 7 feet in the area around						
Parameters:	of SP2 and SP4 the area of SP3	to a depth of a minimum of 1 foot in the areas . Excavate to a depth of a minimum of 3 feet in . Obtain a bottom confirmation field screen at e site with clean soil.						
Remediation Activities:	09/02/2014 to 0	9/29/2014						
Plan Sent to OCD:	Plan Sent to OCD: 06/26/2014 Email from Cliff Brunson to Geoffrey Leking							

	00/20/2014	Email from Clin Brunson to Geoffey Leking
OCD Approval of Plan:	07/01/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	06/26/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	06/30/2014	Meeting between C. Brunson & J. Van Curen

Supporting Documentation

Initial C-141	Signed 02/19/2014
Final C-141	Signed 10/10/2014
Site Diagram	February 2014
Groundwater Plot	400'
TOPO Maps	February 2014
Lab Summary	03/15/2014-03/16/2014
Lab Analysis	03/15/2014-03/16/2014
Correspondence	Request and approval of remediation plan via email

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.

10/20/2014

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District I 1625 N. Frencl District II						New Mex	ilco Il Resources		Form C-141 Revised October 10, 2003
District III 1000 Río Brazo District IV	1000 Rio Brazos Road, Aztec, NM 87410 011 CO District IV 1220 S 1220 S St. Francis Dr. Santa Fa. NM 87505					rvation Di 1 St. Franc e, NM 875	sis Dr.		Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form
		<u></u>	Rel	ease Notifi				etion	
						OPERA'			al Report 🔲 Final Report
Name of C		Oxy USA Ir					Lustin Tramell		
	1017 W. St me Federa		Hobbs, 1	NM	~~~~~	Telephone I	********	-8210	
						Facility Typ	e Well		
Surface Ow	vner BLM	1		Mineral ()wner			Lease]	No. 30-025-32755
	12				STOL OF THE STOL OF THE STOL	N OF REI	Pet 10 10 10 10 10 10 10 10 10 10 10 10 10	,	e
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County
M	27	225	32E	580'		South	790'	West	Lea
				Latitude <u>N 32.3</u>	1 <u>5681°</u>	Longiti	ide <u>W 103.668(</u>	<u>2°</u>	
				NAT	TIRE	OF RELI	LASE		
Type of Rele		ced Water		**************************************			Release 15 bbls	s Volume I	Recovered 0 bbis
Source of Re	lease Stuffin	ng box leak o	n well hea	d		Date and H 02/18/2014	our of Occurrenc	e Date and	Hour of Discovery
Was Immedi	ate Notice Gi					If YES, To			
		\boxtimes	Yes 🗌	No 🔲 Not Re	quired	Goeffrey L	eking- NMOCD,	Jennifer Van Cure	n- BLM
By Whom?		is, BBC Inter	national			Date and H	our 02/18/2014	1 @ 3:20 pm	11.V// 5.11186 / 40.12/ 5.12
Was a Water	course Reach		Yes 🖂	No		If YES, Vo	lume Impacting th	he Watercourse.	
If a Watercou	rea wee Imer							······	
n a waterede	now was migh	auter, Louders	be t uny.					-	
Describe Cau	se of Problen	n and Remed	ial Action	Taken.*			·····		
The stuffing t	oox on the we	ell head leake	d 15 bbis	of produced wate	r onto th	ie ground. N	o fluids were reco	wered and the stuf	fing box was repaired.
Describe Area	a Affected an	d Cleanup A	ction Take	2n.*	***************				
The affected a plan approved	area was appr i by both the	oximately 20 NMOCD and	r x 60' or I the BLM	the location pad	and 2° x	15' off the la	cation pad. Rem	ediation will be ec	mpleted in accordance with a
I hereby certif	y that the inf	ormation giv	en above	s true and compl	ete to the	e best of my k	nowledge and un	derstand that purs	ant to NMOCD rules and
regulations at	operators and	e required to	report and	i/or file certain re	lease no	tifications and	l perform correct	ive actions for rele	ages which may and angar
snould their o	perations hav	e failed to ad	equately i	nvestigate and re	mediate	contaminatio	n that nose a thre	at to oround water	eve the operator of liability surface water, human health
or the environ federal, state.	ment. In add	lition, NMU(D accept	ance of a C-141 m	eport do	es not relieve	the operator of re	sponsibility for co	mpliance with any other
Teueral, State.	or locar laws	and/or regul	uions.				OIL CONS	ERVATION	OIVICION
Signature:	<u>Lel</u>	hatt	Ø				<u>OIL CONS</u>	DRYATION	DIVISION
Printed Name:	Austin Tr	amell		1777 1944 - Witz / Jonatory and and a state a state	A	pproved by E	istrict Supervisor	r:	
Title: HES	Coordinator		······································		A	pproval Date		Expiration D	ate:
E-mail Addres	s: Austin	Tramell@ox	y.com		C	onditions of A	Approval;		
Date: 2	19/14		Phon	e: (575) 397-8210				:	Attached
Attach Additi	onal Sheets	If Necessar		manine man farmer and a second			·····		

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Received	by	OCD:	3/13/2	023 3	:40:22	PM
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District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

						e, NM 875						
			Kel	ease Notifi	cation			ction				
Nome of Co						OPERA'			Initi	al Report	\boxtimes	Final Report
Name of Co Address		Oxy USA Ir tanolind Rd,		NTM		Contact C Telephone I	hancey Summe No. (575) 397					
Facility Nar			110008,1	. 11/1		Facility Typ		-0210				
									4 DI NI			
Surface Ow	ner BLN	4		Mineral (Jwner				API No	0. 30-025-3	2755	
	1				ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
М	27	22S	32E	580'		South	790'	w w	est	Lea		
				Latitude <u>N 32.</u>	356810	L ongitu	ide <u>W 103.668</u> (
						_		<u>0</u> _				
Time of Dolar	ooo Daada	iced Water		NAT	URE	OF RELI			1 1 1		0.1.1.1	
Type of Relea			n well her	ud		Volume of	Release 15 bbls			Recovered Hour of Dis	0 bbls	
Source of Rea	lease otulii	ing our icar o		u.		02/18/2014			Date and	nour of Dis	covery	
Was Immedia	ate Notice C		~			If YES, To						
		X	Yes	No 🔲 Not R	equired	Goeffrey L	eking- NMOCD,	Jennifer '	Van Cure	n- BLM		
By Whom?		vis, BBC Inte	rnational			Date and H						
Was a Watero	course Reac		Yes 🛛	No		If YES, Vo	lume Impacting t	he Water	course.			
If a Watercou												
												
Describe Cau				1 Taken.* of produced wate	er onto fl	a ground N	o fluide wara race	overed on	d the stuff	fing have we	- ronair	rod
Describe Area												
		-										
The affected a remediation p	area was app lan approve	proximately 2 d by Geoffrey	0' x 60' o / Leking c	n the location pac of NMOCD via er	l and 2' 🤉 nail on 0	x 15' off the l 17/01/2014 an	ocation pad. Ren d approved by Jer	nediation nnifer Va	was comj n Curen i	pleted in acc n a meeting	ordanc on 06/:	e with the 30/2014.
regulations all public health of should their of	l operators a or the enviro perations ha ment. In ac	re required to onment. The ive failed to a ldition, NMO	report an acceptanc dequately CD accept	is true and comp d/or file certain r e of a C-141 repo investigate and re tance of a C-141	elease no ort by the emediate	otifications an NMOCD ma	d perform correct rked as "Final Re m that pose a thre	tive action eport" doc eat to grou	ns for rele s not reli ind water	eases which eve the oper , surface wa	may en ator of ter. hur	danger liability nan health
Signature:	\subset			>			OIL CONS	SERVA	TION	DIVISIC	N	
Printed Name:	: Chancey	y Summers			A	Approved by I	District Supervise	or:				
Title: HES	Advisor				A	Approval Date	:	Ex	piration I	Date:		
E-mail Addres	ss: Chanc 0 ·10 -	ey_Summers		ne: (575) 397-821		Conditions of	Approval:			Attached		
Attach Additi	ional Sheet	s If Necessa		<u>`````````````````````````````````</u>						1		

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Released to Imaging: 4/10/2023 11:44:03 AM



Oxy Federal 27 #8



Section Quarters

Oxy Federal 27 #8





Federal 27 #8

Оху



Released to Imaging: 4/10/2023 11:44:03 AM



Page 9 of 59

Laboratory Analytical Results Summary Federal 27 #8

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14	3/15/14	3/15/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	384	3480	4320	336
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14
			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		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1760	416	240
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 8'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14	3/16/14	3/16/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		2600	1330	576	128	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14
			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		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		13100	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		108	<10.0	<10.0

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March 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #8

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 9:00.

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

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 1' (H400872-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15							

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	805		
		Fax To:	(575) 397-0397	,	
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 3' (H400872-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	99.6	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 5' (H400872-03)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.4	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 7' (H400872-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	74.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.9	% 63.6-15	1						

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		BBC Intern Cliff Brunso P.O. Box 80 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 9' (H400872-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	% 63.6-15	1						

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		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 2 @ 1' (H400872-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	,						

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Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 2 @ 3' (H400872-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	89.3	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.6	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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		Fax To:	(575) 397-0397	,	
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 2 @ 4' (H400872-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

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)397	
Sampling Date:	03/16/2014
Sampling Type:	Soil
Sampling Condition:	Cool & Intact
Sample Received By:	Jodi Henson
	Sampling Date: Sampling Type: Sampling Condition:

Sample ID: SP 3 @ 1' (H400872-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	90.4	65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 3' (H400872-10)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 5' (H400872-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	81.1	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.1	63.6-15	4						

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		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 7' (H400872-12)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	75.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.0	% 63.6-15	4						

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		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 8' (H400872-13)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5	% 63.6-15	4						

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		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,)5		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 4 @ 1' (H400872-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13100	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	108	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.6	% 63.6-15	4						

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		Fax To:	(575) 397-0397	,	
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 4 @ 3' (H400872-15)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	87.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.9	63.6-15	1						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 4 @ 5' (H400872-16)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	84.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 20



Company Name: BBC International, Inc.			
	P.O.#		
Project Manager: Cliff Brunson	Comparison		
Address: P.O. Box 805			
bbs State: N	Zip: 00241	6	
5-397-6388 Fax #:	JUSI		
	Project Owner: UXY	7	
rigerin: Federal 27 #8		<u>ы</u> р.	
t Name: Lea County, NM	Phone #:	#	
Project Location:	Fax #:		
Sampler Name: Gary Ray	MATRIX PRE	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE:	ICE / COOL OTHER : DATE TIME TPH BTEX	
00872 1 SP1 @ 1'			
2 SP1 @ 3'		-	
3 SP1 @ 5'		✓ 3/15/14 11:45 AM ✓ ✓ ✓	
5 SP1@9'	2	-	
6 SP2 @ 1'		2:15 PM 🗸 🗸	
7 SP2 @ 3'		3/15/14 2:30 PM V V V	
6 SP2 @ 4'		10:45 AM 🗸 🗸	
9 SP3 @ 1'	2		
TWO SP3 (0) 3	e remedy for any claim arising whether based in contract or tort, s	any claim arising whether based in contract or tort, shall be limited to the anioutin youry or competition of the applicable area of waived unless made in writing and received by Cardinal within 30 days after competition of the applicable	
	beyer shall be uppion of the second s	I loss of use, or loss of promis incurred up or source of therwise.	□ No Add'l Phone #: □ No Add'l Fax #:
Relinquished By:	Kecewed by.	REMARKS:	
Chings Brit Dates	Received By:	AUGU -	
		CHECKED BY:	
Delivered By: (Circle One)	1 7 b Cool Intact	(Initials)	

Page 20 of 20



		ANALVEIS REDUES
(505) 393-2320 1 rry (500) 500	BILL TO	
	P.O. #:	
3ox 805		
5-397-6388	575-397-0397	
me. Federal 27 #8	State: Zip:	
Project Name. Lea County, NM	Phone #:	
2	1	
Sampler Name: Gary Kay	MATRIX PRESERV. SAMPLING	
FOR LAB USE ONLY	R	H- X
Lab I.D. Sample I.D.		
H400872		11:39 AM 🗸 🗸 🖌
11 SP3 @ 5'		12:00 PM 🗸 🗸
-		19:15 PM 2 2 2
5 SP3 @ 8'		< •
A DESCRIPTION OF	; (1:48 PM 🗸 🗸 🖌
No. of Concession, name		2:15 PM 🖌 🖌 🖌
SP4 @ 5'	-	
We with		
and a second		
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive rem	ve remedy for any d	amount paid by the citert for the 30 days after completion of the applicable pourted by client, its subsidiarities.
analyses. All claims including those for negligence and any ourse over and any ourse over any ourse over the shall Cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall cardinal be liable for incidental or consequence and any ourse over the shall be any ourse over t	agas, meluling wi	Yes 🗆 No
Relinguished By:	Received By:	Yes I No
Relinquished By:	Date 100 Received By:	
Delivered By: (Circle One)	Cool Intact (Initiale)	
Sampler - UPS - Bus - Other:		
† Cardinal cannot accept verbal cha	inges. Please fax written changes to 505-393/2476	
Relinquished By:	Received By: Received By: Sample Condition Cool Intact Cool Intact Cool Intact No No No No No No No No No No No	KEMMAAAA

Kathy Purvis

Leking, Geoffrey R, EMNRD <geoffreyr.leking@state.nm.us> Tuesday, July 01, 2014 2:42 PM</geoffreyr.leking@state.nm.us>
Cliff P. Brunson
C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
OCD Concurrence with Various OXY Remediation Plans

Cliff

The OCD concurs with the :

- 1) OXY-State C Trac 11 Battery-Remediation Plan
- 2) OXY-Fred Turner JR B Battery-Remediation Plan
- 3) OXY-Federal 27 #8-Remediation Plan
- 4) OXY-MLMU #98-Remediation Plan
- 5) OXY-South Mattix Battery-Remediation Plan
- 6) OXY-MLMU Satellite #2-Remediation Plan
- 7) OXY-MLMU #71-Remediation Plan

Approval of the Red Tank 35 Fed #3 Remediation Plan is dependent on your response regarding the excavation depth at SP2 and SP3. Thanks Cliff.

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: Thursday, June 26, 2014 8:30 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-State C Trac 11 Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on June 19, 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 4 feet in the area around SP1, 1 foot in the areas of SP2 and SP3, 2 feet in the area of SP4, and 1 foot in the areas of SP5 and SP6 as depicted on the attached site diagram. Then 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

.

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

From:	Cliff P. Brunson < cbrunson@bbcinternational.com>
Sent:	Thursday, June 26, 2014 8:21 PM
То:	Jennifer Van Curen
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	OXY-Federal 27 #8-Remediation Plan
Attachments:	Remediation Packet, Federal 27 #8.pdf

Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoff Leking of the NMOCD. Oxy will excavate to a depth of 7 feet in the area around SP1, 1 foot in the area around SP2, 3 feet in the area around SP3, and 1 foot in the area around SP4 as depicted on the attached site diagram. Then 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. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-6388 Fax: (crunson@bbcinternational.com

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Released to Imaging: 4/10/2023 11:44:03 AM

Groundwater Plot

Oxy Federal 27 #8





Section Quarters

Oxy Federal 27 #8


Laboratory Analytical Results Summary Federal 27 #8

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14	3/15/14	3/15/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	384	3480	4320	336
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	3/15/14	3/15/14	3/15/14
			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		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1760	416	240
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 8'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14	3/16/14	3/16/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		2600	1330	576	128	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'
Analyte	Method	Date	3/16/14	3/16/14	3/16/14
			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		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		13100	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		108	<10.0	<10.0

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March 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 27 #8

Enclosed are the results of analyses for samples received by the laboratory on 03/25/14 9:00.

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

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM			
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 1' (H400872-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	190	94.9	200	2.52	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	188	93.8	200	2.38	
Surrogate: 1-Chlorooctane	111 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	1						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interna Cliff Brunso P.O. Box 80 Hobbs NM,			
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 3' (H400872-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	99.6	65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Intern Cliff Brunso P.O. Box 8 Hobbs NM,	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 5' (H400872-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.44	122	2.00	2.62	
Toluene*	<0.050	0.050	03/28/2014	ND	2.32	116	2.00	2.19	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.26	113	2.00	1.89	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.62	110	6.00	1.24	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	03/27/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.4	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	805		
		Fax To:	(575) 397-0397	,	
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 7' (H400872-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	74.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.9	% 63.6-15	1						

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Celey D. Keene, Lab Director/Quality Manager



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		Fax To:	(575) 397-0397	,	
Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 1 @ 9' (H400872-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.3	65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	63.6-15	4						

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Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 2 @ 1' (H400872-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	87.9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	63.6-15	4						

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Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 2 @ 3' (H400872-07)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	89.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.6	% 63.6-15	4						

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Received:	03/25/2014			Sampling Date:	03/15/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 2 @ 4' (H400872-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	85.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4	% 63.6-15	4						

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Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 1' (H400872-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/26/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/26/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	90.4 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.4 9	63.6-15							

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Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 3' (H400872-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	76.1	65.2-14	0						
Surrogate: 1-Chlorooctadecane	87.1	63.6-15	4						

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Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 5' (H400872-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	219	110	200	2.07	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	202	101	200	1.68	
Surrogate: 1-Chlorooctane	81.1	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.1	63.6-15	4						

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Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 7' (H400872-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	75.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.0	% 63.6-15							

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		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 3 @ 8' (H400872-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.5	% 63.6-15	1						

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)397	
Sampling Date:	03/16/2014
Sampling Type:	Soil
Sampling Condition:	Cool & Intact
Sample Received By:	Jodi Henson
	Sampling Date: Sampling Type: Sampling Condition:

Sample ID: SP 4 @ 1' (H400872-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13100	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	108	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	91.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.6	% 63.6-15	4						

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		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 4 @ 3' (H400872-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	87.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.9	63.6-15	1						

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		BBC Interr Cliff Bruns P.O. Box 8 Hobbs NM	05		
		Fax To:	(575) 397-0397		
Received:	03/25/2014			Sampling Date:	03/16/2014
Reported:	03/31/2014			Sampling Type:	Soil
Project Name:	FEDERAL 27 #8			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM				

Sample ID: SP 4 @ 5' (H400872-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2014	ND	2.61	131	2.00	5.08	
Toluene*	<0.050	0.050	03/28/2014	ND	2.48	124	2.00	5.09	
Ethylbenzene*	<0.050	0.050	03/28/2014	ND	2.42	121	2.00	5.04	
Total Xylenes*	<0.150	0.150	03/28/2014	ND	6.94	116	6.00	5.30	
Total BTEX	<0.300	0.300	03/28/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/27/2014	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/27/2014	ND	212	106	200	5.95	
DRO >C10-C28	<10.0	10.0	03/27/2014	ND	200	100	200	1.66	
Surrogate: 1-Chlorooctane	84.3	65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(200) 1202 1202 1202 (CUC)		BILL TO	
Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		man and	
Address: P.O. Box 805		Company .	
	14	Attri:	
5-397-6388)397	Address:	
	t Owner: Oxy	City:	
		State: Zip:	
Project Name: Federal 27 #0	P	Phone #:	
Project Location: Lea County, NW	Π	Fax #:	
sampler Name: Gary Ray	MATRIX	PRESERV. SAMPLING	
FOR LAB USE ONLY	ER R	F K	
Lab I.D. Sample I.D.	G)RAB OR (C)O CONTAINERS BROUNDWATE WASTEWATER SOIL DIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME TIME BTEX	
400972 SP1@1'			
2 SP1 @ 3'	() ()	3/15/14 11:15 AM V V	
SP1 @ 5'		3/15/14 11:45 AM V V	
SP1@9'		-	
6 SP2 @ 1'		3/15/14 2:15 PM V V	
7 SP2 @ 3'		3/15/14 2:30 PM V V	~
SP2 @ 4'		✓ 3/16/14 10:45 AM ✓ ✓	
9 SP3 @ 1	50	✓ 3/16/14 11:15 AM ✓ ✓	•
2 9	It's exclusive remedy for any claim arising whether based in contractions whatshever shall be deened waived unless made in writing an	any claim arising whether based in contract or run, sinan or arinner of the applicable deen led waived unless made in writing and reviewed by Carlinal within 30 days after completion of the applicable deen led waived unless made in writing and reviewed profess of profits incurred by client, its subsidiaries,	
rent shall	uend canages including without limitation, business interruptions, I services between by Cardinal, regardless of whether such claim I services between by Cardinal, regardless of whether such claim		Yes I No Add'I Phone #: Yes I No Add'I Fax #:
affiliates or successors arising our of a filing with the successors arising our of the successors are successo	Dati Keceved by.		
Jupup	Tipre A Received By:	ACTION -	
Relinquished By:	00 0		
Delivered By: (Circle One)	1, 26 Cool Intact		

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Company Name: BBC International, Inc. P.O. #:
Project Manager, Cilil Diulison
bbs State: NM Zip: 88241
5-397-6388 Fax #: 575-397-0397
Project Owner: Oxy City:
ame: Federal 27 #8
Prior Troject Name: Phone #:
Garv Rav
Sampler Name: GdTy Tcdy MATRIX PRESERV SAMPLING
R
ER : /BASE: COOL
GROL (G)RA # CON GROL WAST SOIL OIL SLUD OTHE ACID
SP3 @ 5'
SP3 @ 7' 6 1 ~
SP3 @ 8' 6 / C 3/16/14 1:30 PM
S 1 5 3/16/14
SP4 @ 3' 2/16/14
SP4 @ 5'
Se al
ve remedy for any claim arising whether based in contract or tort, sha
scubing whoul limitation, business interruptions, loss of use, or loss of professional easies or otherwise.
Received By: Fax Result: Ves REMARKS:
The Time of the test
Relinquished By:
Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
cannot accept verbal changes. Please fax written c

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District I 1625 N. French Dr., Hobbs, NM 88240 District II Ener 1301 W. Grand Avenue, Artesia, NM 88210		f New Me s and Natur	xico al Resources			Rev	Form C-141 vised October 10, 2003
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	h St. Fran	vation Division Submit 2 Copies to appr District Office in acco with Rule 116 o side o					
Release N	otificatio	n and C	orrective A	Action	[
		OPERA			🛛 Initi	al Report	Final Report
Name of Company Oxy USA Inc. Address 1017 W. Stanolind Rd, Hobbs, NM		Contact Telephone	Austin Tramell No. (575) 397	7.8210	17 44 00		
Facility Name Federal 27 #8	******	Facility Ty		/*0210			
Surface Owner BLM Min	neral Owner	Lease No. 30-025-3275					32755
	OCATIO	NOFRE	LFASE				
Unit Letter Section Township Range Feet from		South Line	Feet from the	East/V	est Line	County	
M 27 225 32E 580	,	South	790.	v	Vest	Lea	
	N 32.35681°	·····	ude <u>W 103.668</u> (- b -a			
		-		<u>v</u>			
Type of Release Produced Water	NATURE		Release 15 bbl:	e	Volume F	lecovered	0 bbis
Source of Release Stuffing box leak on well head	Date and I	lour of Occurrenc			Hour of Dise		
Was Immediate Notice Given?	02/18/201 If YES, To						
X Yes No	Not Required		.eking- NMOCD.	Jennifer	Van Cure	n- BLM	
By Whom? Kathy Purvis, BBC International		Date and H	Iour 02/18/2014	4 @ 3:20	ⁱ pm		
Was a Watercourse Reached?		If YES, Vo	olume Impacting the	he Water	course.		······································
If a Watercourse was Impacted, Describe Fully.*				~~~~			
n a waterebuise was impacted, inserior i any.							
Describe Cause of Problem and Remedial Action Taken.*							
The stuffing box on the well head leaked 15 bbis of produce	ed water onto t	he ground. N	lo fluids were reco	overed ar	id the stuff	ing box was	repaired.
Describe Area Affected and Cleanup Action Taken.*		·····					
		- 1 <i>6</i> 1 - 60 di - 1		. .			
The affected area was approximately 20' x 60' on the location plan approved by both the NMOCD and the BLM.	on pao and 21	x 15, oll the	ocation pad. Rem	rediation	will be co	mpleted in a	cordance with a
I hereby certify that the information given above is true and	complete to th	e best of my	knowledge and un	derstand	that pursi	ant to NMO	D rules and
regulations all operators are required to report and/or file cer public health or the environment. The acceptance of a C-14	rtain release no	otifications ar	d perform correct	ive actio	ns for rele	ases which m	avendancer
should their operations have failed to adequately investigate	and remediate	e contaminatio	in that pose a three	at to pro	und water	surface wate	r human boolth
or the environment. In addition, NMOCD acceptance of a C federal, state, or local laws and/or regulations.	2-141 report do	es not relieve	the operator of re	esponsib	ility for co	mpliance wit	h any other
			OIL CONS	ERVA	TION	DIVISION	J
Signature: Jud france							÷
Printed Name: Austin Tramell	/	Approved by l	District Supervisor	r:	- <u> </u>		
Title: HES Coordinator	A	Approval Date	5 E 7 F	Ex	piration D	ate:	
E-mail Address: Austin Tramell@oxy.com		onditions of	Approval:			Attached [
Date: 2/19/14 Phone: (575) 39	7-8210					σπασιτου μ	[
Attach Additional Sheets If Necessary				····	l		

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	196507
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By		Condition Date
jharimon	None	4/10/2023

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