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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 8, 2011

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

						OPERA	TOR		🛛 Initi	ial Report		Final Rep
Name of C	ompany: Co	onocoPhilli	ps			Contact: Da						
		Complex L	ane				No. 575-391-31			7		
Facility Na	me: MCA	battery 2				Facility Type: Water Transfer Line						
Surface Ov	vner: BLM			Mineral	Owner E	er BLM			API No	0. 3002500	733	96° (11
				LOC	ATION	ION OF RELEASE				9		
Unit Letter D	Section 28	Township 17S	Range 32E	Feet from the 660	North/ North	South Line	Feet from the 660	East/ west	West Line	County LEA		
Latitude 3	32.8110313	626827	Lo	ongitude - 103.		360354 OF REL	FASE					
Type of Rela	ease: Snill			na.	TURE		Release: 573 BE	RLS.	Volume	Recovered:	440 BF	IS
	ource of Release: 4 inch fiberglass water transfer line						Hour of Occurren			Hour of Dis		
						12/19/13			SAME		_	
Was Immedi	Was Immediate Notice Given?					If YES, To Jim Amos	Whom? Geoffrey Lekin	g				
By Whom?	David May					Date and H	Hour: 12/20/13 9:	45 am	1.5 C - 1			
Was a Water	rcourse Reac			1.21		If YES, Vo	olume Impacting	the Wat	tercourse.			
1.015			Yes 🛛	No	N.	200						
Release orig spotted the Spill volum	use of Proble ginated from release whi nes were cal	em and Reme a 4 inch fiber le making fi culated to b	dial Action rglass trun inal daily e 573 bbl	n Taken.* k line that transfe surveillance ro s of produced y	ounds. The water with	he affected th 440 bbls	m several faciliti line was identif being recovere rmine root caus	ied, iso d by va	lated, and	locked out	by th	e area MSO
Describe Ca Release orig spotted the Spill volum 175' x 68' Describe Ard The affected according to	use of Proble ginated from release whi nes were cal of pasture a ea Affected a area was 17: BLM and N	em and Reme a 4 inch fiber le making fi culated to b nd lease roa nd Cleanup A 5' x 68' of pa MOCD guide	dial Action rglass trund inal daily e 573 bbl ad. The in Action Tak asture and elines.	n Taken.* k line that transfe surveillance ro s of produced v cident is being ten.* lease road. The in	ounds. The water with investig	he affected th 440 bbls ated to dete being invest	line was identif being recovered	ied, iso d by va e. ne root	cuum truc	locked out ks. The aff	by the ected	e area MSO area was iated
Describe Ca Release orig spotted the Spill volum 175' x 68' Describe Ard The affected according to I hereby cert regulations a public health should their or the enviro	use of Proble ginated from release whi nes were cal of pasture a ea Affected a area was 17. BLM and N ify that the in all operators a or the enviro operations has mment. In ac	em and Remen a 4 inch fiber le making fi culated to b nd lease roa and Cleanup A 5' x 68' of pa MOCD guide nformation gi are required to onment. The ave failed to a	dial Action rglass truni inal daily e 573 bbl id. The in Action Tak issure and clines. iven above o report an acceptanc adequately OCD accep	n Taken.* k line that transfe surveillance ro s of produced y cident is being en.* lease road. The in is true and comp d/or file certain the of a C-141 rep investigate and	ncident is plete to the release no ort by the	he affected th 440 bbls ated to dete being invest be best of my otifications and NMOCD me contaminati	line was identif being recovered rmine root caus ligated to determine knowledge and the and perform corred arked as "Final R on that pose a the the operator of	ied, isc d by va ee. ine root indersta ctive act ceport" of reat to g respons	cause. The cause. The and that purs- tions for rel- does not rel- round water ibility for c	locked out ks. The aff area will be suant to NM eases which ieve the ope r, surface wa	octor o remed OCD r may e rator o oter, hu vith an	e area MSO area was iated ules and ndanger f liability man health
Describe Ca Release orig spotted the Spill volum 175' x 68' Describe Ard The affected according to I hereby cert regulations a public health should their or the enviro	use of Proble ginated from release whi nes were cal of pasture a ea Affected a area was 17: BLM and N ify that the in all operators a to or the enviro operations have an or local law	em and Reme a 4 inch fiber le making fi culated to b nd lease roa and Cleanup A 5' x 68' of pa MOCD guide formation gi are required to onment. The ave failed to a ddition, NMC	dial Action rglass trun inal daily e 573 bbl d. The in Action Tak esture and elines. iven above o report an acceptance adequately DCD accep ilations.	n Taken.* k line that transfe surveillance ro s of produced y cident is being en.* lease road. The in is true and comp d/or file certain the of a C-141 rep investigate and	ncident is plete to the release no ort by the	he affected th 440 bbls ated to dete being invest be best of my otifications and NMOCD me contaminati	line was identif being recovered rmine root caus ligated to determine knowledge and to and perform corred arked as "Final R on that pose a thi	ied, isc d by va ee. ine root indersta ctive act ceport" of reat to g respons	cause. The cause. The and that purs- tions for rel- does not rel- round water ibility for c	locked out ks. The aff area will be suant to NM eases which ieve the ope r, surface wa	octor o remed OCD r may e rator o oter, hu vith an	e area MSO area was iated ules and ndanger f liability man health
Describe Ca Release orig spotted the Spill volum 175' x 68' Describe Ard The affected according to I hereby cert regulations a public health should their or the enviro federal, state	use of Proble ginated from release whi nes were cal of pasture a ea Affected a area was 17: BLM and N ify that the in all operators a to or the enviro operations have an or local law	em and Remen a 4 inch fiber ile making fi culated to b nd lease roa ind Cleanup A 5' x 68' of pa MOCD guide information gi are required to onment. The ave failed to a idition, NMC is and/or regu	dial Action rglass trun inal daily e 573 bbl d. The in Action Tak esture and elines. iven above o report an acceptance adequately DCD accep ilations.	n Taken.* k line that transfe surveillance ro s of produced y cident is being en.* lease road. The in is true and comp d/or file certain the of a C-141 rep investigate and	ncident is plete to the report do	he affected th 440 bbls ated to dete being invest be best of my otifications and NMOCD me contaminations not reliev	line was identif being recovered rmine root caus ligated to determine knowledge and the and perform corred arked as "Final R on that pose a the the operator of	ied, isc d by va ee. me root me root ento active ac	cause. The cause. The and that purs- tions for rel- does not rel- round water ibility for c	locked out ks. The aff area will be suant to NM eases which ieve the ope r, surface wa	octor o remed OCD r may e rator o oter, hu vith an	e area MSO area was iated ules and ndanger f liability man health
Describe Ca Release orig spotted the Spill volum 175' x 68' Describe Ard The affected according to I hereby cert regulations a public health should their or the enviro federal, state	use of Proble ginated from release whi nes were cal of pasture a ea Affected a area was 17. BLM and N ify that the in all operators a nor the envir operations ha nment. In ac c, or local law	em and Remen a 4 inch fiber ile making fi culated to b nd lease roa ind Cleanup A 5' x 68' of pa MOCD guide information gi are required to onment. The ave failed to a idition, NMC is and/or regu	dial Action rglass trun inal daily e 573 bbl d. The in Action Tak esture and elines. iven above o report an acceptance adequately DCD accep ilations.	n Taken.* k line that transfe surveillance ro s of produced y cident is being en.* lease road. The in is true and comp d/or file certain the of a C-141 rep investigate and	ncident is plete to the remediate report do	he affected th 440 bbls ated to dete being invest be best of my otifications and NMOCD me contaminations not reliev	line was identifi being recovered rmine root caus ligated to determine knowledge and to arked as "Final R on that pose a thing the operator of <u>OIL CON</u> Environmental S	ied, isc d by va e. ne root mdersta ctive ac ceport" of respons SERV	cause. The cause. The and that purs- tions for rel- does not rel- round water ibility for c	locked out ks. The aff area will be suant to NM eases which ieve the ope r, surface wa compliance v	octor o remed OCD r may e rator o oter, hu vith an	e area MSO area was iated ules and ndanger f liability man health
Describe Ca Release orig spotted the Spill volum 175' x 68' d Describe Ard The affected according to I hereby cert regulations a public health should their or the enviro federal, state Signature: Printed Nam	use of Proble ginated from release whi nes were cal of pasture a ea Affected a area was 17. BLM and N ify that the in all operators a nor the envir operations ha nment. In ac c, or local law Daw e: David May	em and Remen a 4 inch fiber ile making fi culated to b nd lease roa mod Cleanup A 5' x 68' of pa MOCD guide information gi are required to onment. The ave failed to a idition, NMC vs and/or regu	dial Action rglass trun inal daily e 573 bbl id. The in Action Tak ssture and elines. iven above o report an acceptanc adequately DCD accep plations.	n Taken.* k line that transfe surveillance ro s of produced y cident is being en.* lease road. The in is true and comp d/or file certain the of a C-141 rep investigate and	ncident is plete to the report do	he affected th 440 bbls ated to dete being invest be best of my otifications au NMOCD m contaminations not reliev	line was identifi being recovered rmine root caus ligated to determine knowledge and the arked as "Final R on that pose a thing the operator of <u>OIL CON</u> Environmental S te:	ied, isc d by va e. ne root mdersta ctive ac ceport" of respons SERV	cause. The cause. The ind that purs tions for rel does not rel round wate ibility for c VATION	locked out ks. The aff area will be suant to NM eases which ieve the ope r, surface wa compliance v	by the ected remed OCD r may e rator o ater, hu vith an	e area MSO area was iated ules and ndanger f liability man health



CONOCOPHILLIPS

P.O. Box 2197 Houston, TX 77252-2197 Phone 281.293.1000

MCA Battery 2

Corrective Action Plan

API No. 3002500733

Release Date: December 19th, 2013

Unit Letter D, Section 28, Township 17S, Range 32E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

April 7th, 2014

Geoffrey Leking New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 1 1625 N. French Dr. Hobbs, NM 88240-9273

> RE: Corrective Action Plan ConocoPhillips MCA Battery 2 UL/D sec. 28 T17S R32E API No. 3002500733

Mr. Leking:

ConocoPhillips (CoP) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 3.2 miles southwest of Maljamar, New Mexico at UL/D sec. 28 T17S R32E. NM OSE records indicate that groundwater will likely be encountered at a depth of approximately 81 +/- feet.

On December 19th, 2013, a 4 inch fiberglass water transfer line leaked releasing 573 barrels of produced water over 8,951 square feet of lease road and pasture land. Vacuum trucks were called to the site and recovered 440 barrels of produced water. NMOCD and BLM were notified of the release on December 20th, 2013 and an initial C-141 was submitted to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on February 5th, 2014 to assess the release. The site had already been scraped down 6 inches to remove the wet material. Five points within the release were sampled at the surface of the scrape and with depth and field tested for chlorides and organic vapors (Figure 1). Representative samples were taken to a commercial laboratory for analysis. Point 1, Point 3 and Point 4 at all sampling depths returned laboratory chloride results below 250 mg/kg, Gasoline Range Organic (GRO) readings of non-detect, Diesel Range Organic (DRO) readings below regulatory standards and BTEX readings of non-detect (Appendix B). Point 2 was sampled to a depth of 14 ft bgs where the laboratory chloride result was 1,200 mg/kg the DRO result was 22.4 mg/kg, and GRO and BTEX readings were non-detect. Although, Point 2 at 14 ft bgs still showed chloride levels slightly above regulatory standards, the chloride values dropped precipitously as the vertical was advanced to 14 ft bgs. Point 5 was sampled to a depth of 10 ft bgs. Both the 9 ft and 10 ft bgs samples returned chloride, GRO, DRO and BTEX results below regulatory standards.

Photo documentation of these activities can be found in Appendix C.

Corrective Action Plan

Based on the laboratory analysis of the site, no further actions to Point 1, Point 3 and Point 4 are warranted. The area around Point 2 and Point 5, encompassing approximately 2,643 square feet, will be excavated to 4 ft bgs (Figure 2). A 20-mil reinforced poly liner will be installed and properly seated at the base of the final excavation. The excavated soils will be evaluated for use as backfill and any soils that do not meet regulatory standards will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to replace any soils taken to disposal. The excavated soils will be blended on site with any imported soil to use as backfill. A sample of the blended soil will be taken to a commercial laboratory to confirm that the chloride value is below 500 mg/kg and the combined TPH is below 1,000 mg/kg.

The area around the source of the release blew out with the pressure of the release leaving a depressed area of approximately 590 square feet around the line at approximately 4 ft deep. At the base of this depression, a 20-mil reinforced poly liner will be installed and properly seated.

Both lined areas and the previously scraped areas will be backfilled with the blended soil to the surface and contoured to the surrounding location. Upon completion of backfilling, soil amendments will be added to the site as needed and the site will be seeded with LPC mix.

Once these actions have been completed, a request for 'remediation termination' will be submitted to NMOCD and BLM for approval.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

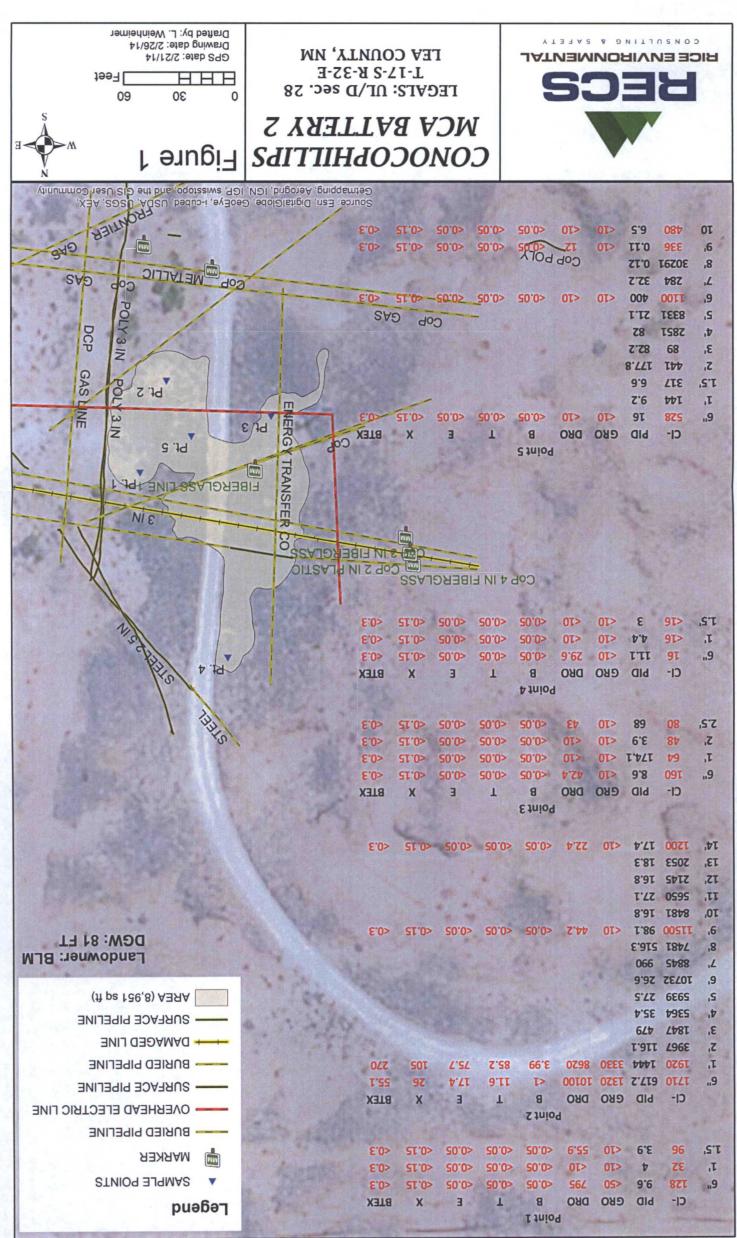
AC.W

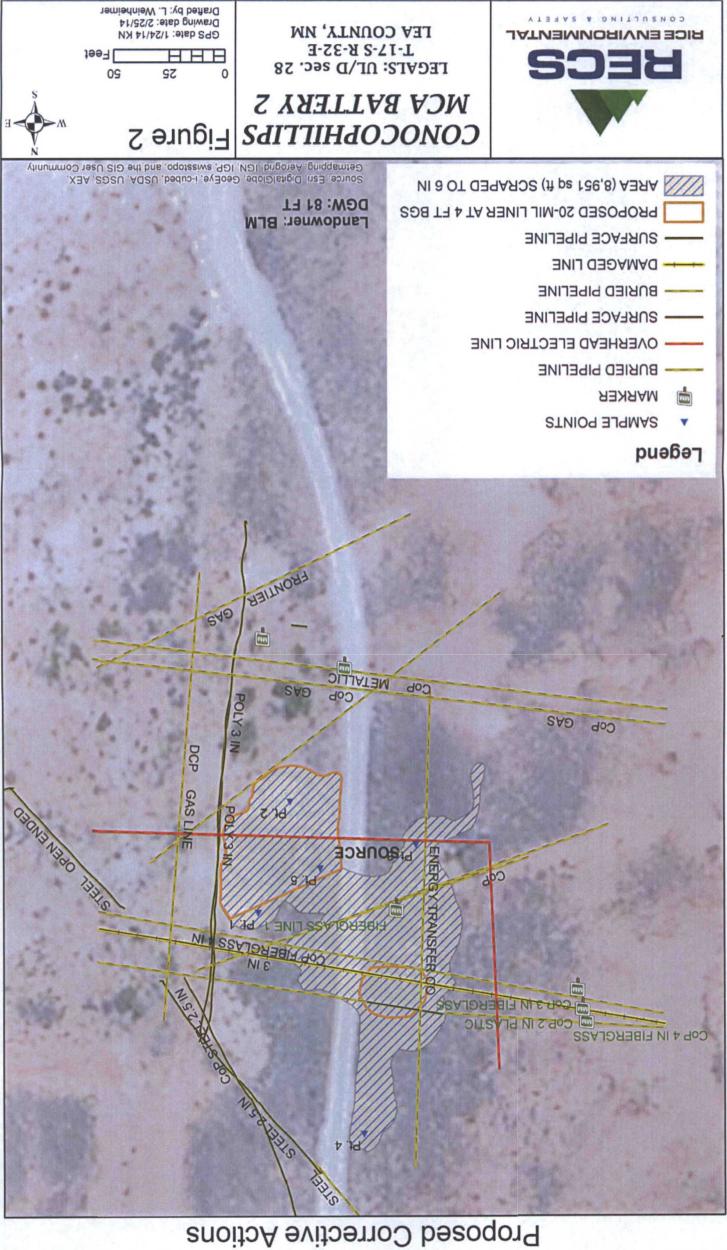
Lara Weinheimer Project Scientist RECS (575) 441-0431

Attachments:

Figure 1 – Initial Sampling Data Figure 2 – Proposed Corrective Actions Appendix A – Initial C-141 Appendix B – Initial Sampling Lab Appendix C – Photo Documentation

Initial Sampling Data







February 26, 2014

KYLE NORMAN RICE ENVIRONMENTAL CONSULTING & SAFETY LLC 419 W. CAIN HOBBS, NM 88240

RE: CONOCO PHILLIPS MCA STATION 2

Enclosed are the results of analyses for samples received by the laboratory on 02/25/14 11:55.

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 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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		
,			

Sample ID: PT. 1 6" (H400564-01)

BTEX 8260B	mg,	/kg	Analyze	d By: MS	15		1. A. A.	1000	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2014	ND	2.09	105	2.00	1.77	
Toluene*	<0.050	0.050	02/26/2014	ND	2.18	109	2.00	2.03	
Ethylbenzene*	< 0.050	0.050	02/26/2014	ND	2.07	103	2.00	1.54	
Total Xylenes*	<0.150	0.150	02/26/2014	ND	6.33	105	6.00	2.34	
Total BTEX	<0.300	0.300	02/26/2014	ND					
Surrogate: Dibromofluoromethane	99.3	% 61.3-14	2						
Surrogate: Toluene-d8	99.2	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	9			- Sin	Sate:
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms			Sec. South	1.2	Sec.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	795	50.0	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	97.6	% 65.2-14	0					216.15	No.
Surrogate: 1-Chlorooctadecane	112	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/20/2014	
Reported:	02/26/2014	Sampling Type:	Soil	
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact	
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene	
Project Location:	NOT GIVEN			

Sample ID: PT. 1 1' (H400564-02)

BTEX 8260B	mg	/kg	Analyze	ed By: MS	WY .				and in the
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	94.4	% 61.3-14	2					1	
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP		1.1	1. 1. S.	W. Cal	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: ms	in the		1. 1. 192	12 1 4	Alt I
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0						199
Surrogate: 1-Chlorooctadecane	97.4	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 22



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/20/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 1 1.5' (H400564-03)

BTEX 8260B	mg/	kg	Analyze	ed By: MS	1		194 B	1 10	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	94.8	% 61.3-14	2	1. Ship - Star		1.1.1	18. 19	5 S.	
Surrogate: Toluene-d8	103 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP				the second	Real
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms			the Contemp	er-war	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	55.9	10.0	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	96.0	65.2-14	0					No.	12
Surrogate: 1-Chlorooctadecane	99.5	63.6-15	4						

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 22



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 2 6" (H400564-04)

BTEX 8260B	mg	/kg	Analyze	d By: MS			1. St. 1	5	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/26/2014	ND	2.09	105	2.00	1.77	
Toluene*	11.6	1.00	02/26/2014	ND	2.18	109	2.00	2.03	
Ethylbenzene*	17.4	1.00	02/26/2014	ND	2.07	103	2.00	1.54	
Total Xylenes*	26.0	3.00	02/26/2014	ND	6.33	105	6.00	2.34	
Total BTEX	55.1	6.00	02/26/2014	ND					
Surrogate: Dibromofluoromethane	99.9	% 61.3-14	2	1 - t 193	5				4.1
Surrogate: Toluene-d8	97.4	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	137	% 65.7-14	I						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP		1.11		in the second	4. 3
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms				3.36	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1320	100	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	10100	100	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	171	% 65.2-14	0				1. 1 M. S.	1.100	10111
Surrogate: 1-Chlorooctadecane	262								

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Celey D. Keene, Lab Director/Quality Manager

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RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 2 1' (H400564-05)

BTEX 8260B	mg	/kg	Analyze	ed By: MS	E.	1ª	A	Auril	S.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.99	2.00	02/26/2014	ND	2.09	105	2.00	1.77	
Toluene*	85.2	2.00	02/26/2014	ND	2.18	109	2.00	2.03	
Ethylbenzene*	75.7	2.00	02/26/2014	ND	2.07	103	2.00	1.54	
Total Xylenes*	105	6.00	02/26/2014	ND	6.33	105	6.00	2.34	
Total BTEX	270	12.0	02/26/2014	ND					
Surrogate: Dibromofluoromethane	94.7	% 61.3-14	2			and the	ale de la compañía de	1	
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	136	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP			A. W.A.	12 Ali	1.2.2.1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: ms	e 11			Contraction of the second	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3330	100	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	8620	100	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	291	% 65.2-14	0					2	8 3 3
Surrogate: 1-Chlorooctadecane	459	% 63.6-15	4						

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RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 2 9' (H400564-06)

BTEX 8260B	mg	/kg	Analyze	ed By: MS				1	2
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	92.2	% 61.3-14	2						1. A 4 7
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	106	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				1 Jacobi	14 - 14 Jan
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms			A HARN	1998	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	44.2	10.0	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	94.2	% 65.2-14	0	and b					
Surrogate: 1-Chlorooctadecane	97.7	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014	
Reported:	02/26/2014	Sampling Type:	Soil	
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact	
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene	
Project Location:	NOT GIVEN			

Sample ID: PT. 2 14' (H400564-07)

BTEX 8260B	mg/	/kg	Analyze	d By: MS		2	100.4	Mer.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	94.8	% 61.3-14	2	14	1				
Surrogate: Toluene-d8	103 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105 9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP	5		1.1	1. SP	int of
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms			1.1894.38		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/25/2014	ND	209	105	200	0.228	
DRO >C10-C28	22.4	10.0	02/25/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0				1	Paralle	
Surrogate: 1-Chlorooctadecane	93.9	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 3 6" (H400564-08)

BTEX 8260B	mg,	/kg	Analyze	ed By: MS			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	St. B.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	99.8	% 61.3-14	2		278				
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP				1.5	. Jak
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: ms			Contraction of	Are Starts	the faith
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	42.4	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	91.8	% 65.2-14	0				1. 1. 1. 1.	1	4 Beck
Surrogate: 1-Chlorooctadecane	96.3	% 63.6-15	1						

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Analytical Results For:

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Received:	02/25/2014	Sampling Date:	02/21/2014	
Reported:	02/26/2014	Sampling Type:	Soil	
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact	
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene	
Project Location:	NOT GIVEN			

Sample ID: PT. 3 1' (H400564-09)

BTEX 8260B	mg/	kg	Analyze	d By: MS			- 台口		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.0	% 61.3-14	2						
Surrogate: Toluene-d8	101 9	71.3-12	9	14					
Surrogate: 4-Bromofluorobenzene	98.1	% 65.7-14	1						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP			1100		1.0
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms		· · · 2	199		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	92.4	% 65.2-14	0			Sec. 1.	1. 10. 11		19116
Surrogate: 1-Chlorooctadecane	93.3	% 63.6-15	4						

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Received:	02/25/2014	Sampling Date:	02/20/2014	
Reported:	02/26/2014	Sampling Type:	Soil	
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact	
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene	
Project Location:	NOT GIVEN			

Sample ID: PT. 3 2' (H400564-10)

BTEX 8260B	mg,	/kg	Analyze	d By: MS	1				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.3	% 61.3-14	2	12/11/2		15			
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101	65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	and the second		and the	Sec.	a kilin
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					See Se
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	82.3	% 65.2-14	0					19	
Surrogate: 1-Chlorooctadecane	82.9	% 63.6-15	4						

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Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014	
Reported:	02/26/2014	Sampling Type:	Soil	
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact	
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene	
Project Location:	NOT GIVEN			

Sample ID: PT. 3 2.5' (H400564-11)

BTEX 8260B	mg/	kg	Analyze	ed By: MS	1				1.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	< 0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	94.4	61.3-14.	2	A. S. Martin					1 mg
Surrogate: Toluene-d8	101 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	ed By: AP			Strate in	A MET	Sile a c
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	ed By: ms	57				12
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	43.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	99.7	65.2-14	0		1			-	
Surrogate: 1-Chlorooctadecane	100 9	63.6-15-	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 4 6" (H400564-12)

BTEX 8260B Analyzed By: MS mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene* < 0.050 0.050 02/25/2014 ND 2.13 106 2.00 3.16 0.050 112 Toluene* < 0.050 02/25/2014 ND 2.24 2.00 5.46 Ethylbenzene* < 0.050 0.050 02/25/2014 ND 2.13 106 2.00 3.65 Total Xylenes* < 0.150 0.150 02/25/2014 ND 6.47 108 6.00 4.13 Total BTEX < 0.300 0.300 02/25/2014 ND Surrogate: Dibromofluoromethane 94.4% 61.3-142 71.3-129 Surrogate: Toluene-d8 101% 65.7-141 Surrogate: 4-Bromofluorobenzene 98.5 % Chloride, SM4500Cl-B mg/kg Analyzed By: AP Reporting Limit Analyzed Method Blank RPD Qualifier Analyte Result BS % Recovery True Value QC Chloride 02/26/2014 ND 400 100 16.0 16.0 400 0.00 **TPH 8015M** Analyzed By: ms mg/kg Qualifier Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10 <10.0 10.0 02/26/2014 ND 209 105 200 0.228 DRO >C10-C28 29.6 10.0 02/26/2014 ND 203 101 200 0.0533 Surrogate: 1-Chlorooctane 92.8 % 65.2-140 Surrogate: 1-Chlorooctadecane 94.5% 63.6-154

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Sampling Date:	02/20/2014
Sampling Type:	Soil
ACA STATION 2 Sampling Condition:	Cool & Intact
Sample Received By:	Celey D. Keene
,	ACA STATION 2 Sampling Type: Sampling Condition:

Sample ID: PT. 4 1' (H400564-13)

BTEX 8260B	mg/	/kg	Analyze	d By: MS	1			-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.0	% 61.3-14	2	- 2. T			1.1	à	1
Surrogate: Toluene-d8	102 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.6	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP	1		Sec. Sec.	1.2.1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ms			and a particular	1	a start
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	93.0	% 65.2-14	0		24		. Same		
Surrogate: 1-Chlorooctadecane	93.2	% 63.6-15	4						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

02/25/2014	Sampling Date:	02/20/2014
02/26/2014	Sampling Type:	Soil
CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
NOT GIVEN	Sample Received By:	Celey D. Keene
NOT GIVEN		
	02/26/2014 CONOCO PHILLIPS MCA STATION 2 NOT GIVEN	02/26/2014Sampling Type:CONOCO PHILLIPS MCA STATION 2Sampling Condition:NOT GIVENSample Received By:

Sample ID: PT. 4 1.5' (H400564-14)

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	2.13	106	2.00	3.16	
Toluene*	< 0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.5	% 61.3-14	2						
Surrogate: Toluene-d8	102	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.6	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP			and the	1000	Ein 1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/26/2014	ND	400	100	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	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	90.9	% 65.2-14	0	1 4 ⁻⁴			a said	Sec. 1	100
Surrogate: 1-Chlorooctadecane	88.2	% 63.6-15	4						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		A. C.

Sample ID: PT. 5 6" (H400564-15)

BTEX 8260B mg/kg Analyzed 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	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	96.1 9	61.3-14	2	1					
Surrogate: Toluene-d8	102 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.9 9	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP		1.188	della		ing the
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms	1.1	1	100 6 10	11.12	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	96.7 9	65.2-14	0					a say	
Surrogate: 1-Chlorooctadecane	99.7 9	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014
Reported:	02/26/2014	Sampling Type:	Soil
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT. 5 6' (H400564-16)

BTEX 8260B	mg	kg	Analyze	d By: MS	80.0	All Street	1.595	and the	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	< 0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	97.0	% 61.3-14	2						1 51
Surrogate: Toluene-d8	103	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102	65.7-14	1						
Chloride, SM4500CI-B	mg	kg	Analyze	d By: AP				S. March	That
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg	kg	Analyze	d By: ms	Sec.		1.1.5	n-Per	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	97.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 17 of 22



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

Analytical Results For:

RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

ing Date: 02/21/2014
ing Type: Soil
ing Condition: Cool & Intact
e Received By: Celey D. Keene
pl pl

Sample ID: PT. 5 9' (H400564-17)

BTEX 8260B Analyzed By: MS mg/kg Reporting Limit Analyte Result Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene* < 0.050 0.050 02/25/2014 ND 2.13 106 2.00 3.16 Toluene* < 0.050 0.050 02/25/2014 2.24 2.00 ND 112 5.46 Ethylbenzene* < 0.050 0.050 02/25/2014 ND 2.13 106 2.00 3.65 Total Xylenes* 0.150 02/25/2014 < 0.150 ND 6.47 108 6.00 4.13 Total BTEX 0.300 02/25/2014 <0.300 ND Surrogate: Dibromofluoromethane 97.7% 61.3-142 71.3-129 Surrogate: Toluene-d8 102 % 98.8 % 65.7-141 Surrogate: 4-Bromofluorobenzene Chloride, SM4500CI-B Analyzed By: AP mg/kg Reporting Limit Analyzed Analyte Result Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 16.0 02/26/2014 400 400 336 ND 100 0.00 **TPH 8015M** Analyzed By: ms mg/kg Reporting Limit Analyzed Method Blank True Value QC Qualifier Analyte Result BS % Recovery RPD GRO C6-C10 <10.0 10.0 02/26/2014 ND 209 105 200 0.228 DRO >C10-C28 12.0 10.0 02/26/2014 ND 203 101 200 0.0533 Surrogate: 1-Chlorooctane 65.2-140 88.0 % Surrogate: 1-Chlorooctadecane 90.2 % 63.6-154

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 397-1471

Received:	02/25/2014	Sampling Date:	02/21/2014	
Reported:	02/26/2014	Sampling Type:	Soil	
Project Name:	CONOCO PHILLIPS MCA STATION 2	Sampling Condition:	Cool & Intact	
Project Number:	NOT GIVEN	Sample Received By:	Celey D. Keene	
Project Location:	NOT GIVEN			

Sample ID: PT. 5 10' (H400564-18)

BTEX 8260B	mg/	kg	Analyze	d By: MS			Set 1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.16	
Toluene*	<0.050	0.050	02/25/2014	ND	2.24	112	2.00	5.46	
Ethylbenzene*	< 0.050	0.050	02/25/2014	ND	2.13	106	2.00	3.65	
Total Xylenes*	<0.150	0.150	02/25/2014	ND	6.47	108	6.00	4.13	
Total BTEX	<0.300	0.300	02/25/2014	ND					
Surrogate: Dibromofluoromethane	95.4	% 61.3-14	2				12.00		
Surrogate: Toluene-d8	102 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP	1.1	e i	3the	i des	(0, -1)
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/26/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms			二字 著言	Sec	en tra
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/26/2014	ND	209	105	200	0.228	
DRO >C10-C28	<10.0	10.0	02/26/2014	ND	203	101	200	0.0533	
Surrogate: 1-Chlorooctane	93.0	% 65.2-14	0				12		a Care
Surrogate: 1-Chlorooctadecane	94.2	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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HSMX

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

212 ANALYSIS REQUEST TYes IN No Add'I Phone #: SOT Sedwardse | Flores @ Complete Cations/Anions Chlores @ HqT sexaT **BTEX** X × × M 2108 HGT 4 × × × × x email results × weinheimer Knorman @ Chlorides grander.@ Y 4 x ⁵hone Result: × X × Fax Result: REMARKS: 2:35 PM -21-20M 12:35 PM 12-21-20r 12:30PM 2-24-264 12:25PM MJ 02:5 HOZ-07. -20-20M 2:30 PM 1-21-2014 1:50PM -12-2014 11-10 Put 12:30.04 -21-2014 12:45 PW TIME ed by client, its subsk SAMPLING DATE MOZ-12-102-01-BILL TO 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 CHECKED BY: (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020 Zip: (Invitals) DTHER PRESERV ns, loss of use, or loss of Company ICE / COOT Address: Phone #: P.O. #. State: Fax #: Attn: ACID/BASE City: , ABHTO Sample Condition Cool Intact SLUDGE MATRIX 10 105 5 > 5 received By MASTEWATER Learned weived unless r without Imitation, busic Zip: 88240 GROUNDWATER # CONTAINERS Cesaved (G) RAB OR (C) OMP. 3 07 0 0 0 0 5 0 0 Project Owner: State: NM 102-22-2 SC:11 Edward Fax #: reful domaic Time: Date: Date: 11.9 1.9 1.5 T Sample I.D. G 9 Phillips Project Manager: Kyle Normen Project Location: MCA Station NON and any P1. 7 81. 2 1.3 5 FIOLES 1.19 44 21. Delivered By: (Circle One) the. pt. ta Project Name: Cowoco Company Name: RECS Sampler Name: Owis re artising out of cs. In no event shall Care 2939383262 Relinquished By Relinquished By Hanset C) city: Hobbs FOR LAB LISE ONLY Lab I.D. see. All claims Address: Phone #: Project #: New Cor Munc

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Sampler - UPS - Bus - Other:



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Page 21 of 22

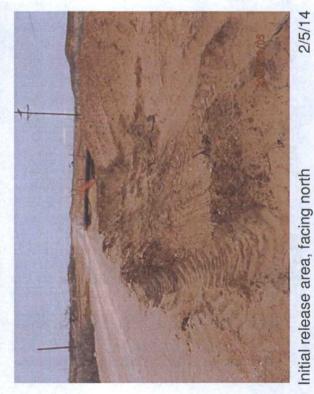
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ConocoPhillips MCA Battery 2 Unit Letter D, Section 28, T17S, R32E



Source of release, facing southwest





Initial release area, facing northwest



Initial release area, facing north

2/5/14

Initial release area, facing northeast

