



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

March 23, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: PLU JV CVX BS 017H

Enclosed are the results of analyses for samples received by the laboratory on 03/17/15 15:30.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received: 03/17/2015
Reported: 03/23/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 03/16/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: 3 N (4") (H500725-01)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	412	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	76.7	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.8 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 Received: 03/17/2015
 Reported: 03/23/2015
 Project Name: PLU JV CVX BS 017H
 Project Number: NONE GIVEN
 Project Location: UL-C SEC. 7, T25S, R31E

 Sampling Date: 03/16/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: 3 S (4") (H500725-02)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2015	ND	2.32	116	2.00	3.59	
Toluene*	<0.050	0.050	03/20/2015	ND	2.10	105	2.00	3.14	
Ethylbenzene*	<0.050	0.050	03/20/2015	ND	2.08	104	2.00	3.20	
Total Xylenes*	<0.150	0.150	03/20/2015	ND	6.31	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	447	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	76.6	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 97.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.2 % 52.1-176

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Received: 03/17/2015
Reported: 03/23/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 03/16/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: 5 N (4") (H500725-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2015	ND	2.32	116	2.00	3.59	
Toluene*	<0.050	0.050	03/20/2015	ND	2.10	105	2.00	3.14	
Ethylbenzene*	<0.050	0.050	03/20/2015	ND	2.08	104	2.00	3.20	
Total Xylenes*	<0.150	0.150	03/20/2015	ND	6.31	105	6.00	3.52	
Total BTX	<0.300	0.300	03/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	469	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	78.0	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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Reported: 03/23/2015
Project Name: PLU JV CVX BS 017H
Project Number: NONE GIVEN
Project Location: UL-C SEC. 7, T25S, R31E

Sampling Date: 03/16/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: 5 S (4") (H500725-04)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2015	ND	2.32	116	2.00	3.59	
Toluene*	<0.050	0.050	03/20/2015	ND	2.10	105	2.00	3.14	
Ethylbenzene*	<0.050	0.050	03/20/2015	ND	2.08	104	2.00	3.20	
Total Xylenes*	<0.150	0.150	03/20/2015	ND	6.31	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	274	10.0	03/18/2015	ND	213	106	200	2.49	
EXT DRO >C28-C35	38.2	10.0	03/18/2015	ND					

Surrogate: 1-Chlorooctane 96.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 97.7 % 52.1-176

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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

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Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

LAB Cardinal

Company Name Environmental Plus, Inc.

EPI Project Manager Daniel Dominguez

Mailing Address P.O. BOX 1558

City, State, Zip Eunice New Mexico 88231

EPI Phone#/Fax# 575-394-3481 / 575-394-2601

Client Company BOPCO

Facility Name PLU JV CVX BS 017H

Location UL-C Sec. 7, T2S, R31E

AFE# 25912

EPI Sampler Name David Robinson

Bill To

BOPCO, L.P.
Attn: Brad Blevins
522 W. Mermod, Suite 704
Carlsbad, NM 88220

ANALYSIS REQUEST

Company Name		EPI Project Manager		Daniel Dominguez		City, State, Zip		P.O. BOX 1558		EPI Phone#/Fax#		575-394-3481 / 575-394-2601		Client Company		BOPCO		Facility Name		PLU JV CVX BS 017H		Location		UL-C Sec. 7, T25S, R31E		AFE#		25912		EPI Sampler Name		David Robinson		<div>BOPCO, L.P. Attn: Brad Blevins 522 W. Mermod, Suite 704 Carlsbad, NM 88220</div>													
LAB I.D. 1500715		SAMPLE I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUND WATER		WASTEWATER		SOIL		CRUDE OIL		SLUDGE		OTHER:		ACID/BASE		ICE/COOL		OTHER		DATE		TIME		BTEX 8021B		TPH 8015M				CHLORIDES (Cl ⁻)		SULFATES (SO ₄ ²⁻)		pH		TCLP		OTHER >>>		PAH	
1		3N (4")		G		1				X										X				16-Mar-15		8:00		X		X																	
2		3S (4")		G		1				X										X				16-Mar-15		8:01		X		X																	
3		5N (4")		G		1				X										X				16-Mar-15		8:03		X		X																	
4		5S (4")		G		1				X										X				16-Mar-15		8:04		X		X																	
5																																															
6																																															
7																																															
8																																															
9																																															
10																																															

Sampler Relinquished:

Date: 3/17/15 Received By: David Robinson

Relinquished by:

Date: 3-17-15 Time: 3:30pm Received By: (lab staff)

Delivered by:

Date: 3-17-15 Time: 3:30pm

Sample Cool & Intact Yes

Checked By: Cok

E-mail results to: ddominguezepi@gmail.com & bblevins@baasspet.com
NOTES: & tasavio@baasspet.com