

30025 88700



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

January 22, 2013

HOBBS OCD

Daniel Dominguez
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

JAN 23 2013

RECEIVED

RE: QUAIL QUEEN #9

Enclosed are the results of analyses for samples received by the laboratory on 01/17/13 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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,

Celey D. Keene
Lab Director/Quality Manager

30 025 25 887

Analytical Results For:

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

 Received: 01/17/2013
 Reported: 01/22/2013
 Project Name: QUAIL QUEEN #9
 Project Number: NONE GIVEN
 Project Location: UL-B SEC. 11. T19S, R34E

 Sampling Date: 01/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 (SURFACE) (H300134-01)

BTEX 8021B		mg/kg		Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.228	0.100	01/22/2013	ND	1.94	97.1	2.00	17.4		
Toluene*	2.62	0.100	01/22/2013	ND	1.93	96.6	2.00	16.7		
Ethylbenzene*	3.96	0.100	01/22/2013	ND	1.94	97.0	2.00	17.0		
Total Xylenes*	11.9	0.300	01/22/2013	ND	5.92	98.7	6.00	16.8		
Total BTEX	18.7	0.600	01/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 284 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	01/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	692	200	01/21/2013	ND	179	89.4	200	6.33		
DRO >C10-C28	20900	200	01/21/2013	ND	186	92.8	200	3.57		

Surrogate: 1-Chlorooctane 133 % 65.2-140

Surrogate: 1-Chlorooctadecane 618 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 Daniel Dominguez
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 Received: 01/17/2013
 Reported: 01/22/2013
 Project Name: QUAIL QUEEN #9
 Project Number: NONE GIVEN
 Project Location: UL-B SEC. 11. T19S, R34E

 Sampling Date: 01/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 (1') (H300134-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2013	ND	1.94	97.1	2.00	17.4		
Toluene*	<0.050	0.050	01/22/2013	ND	1.93	96.6	2.00	16.7		
Ethylbenzene*	<0.050	0.050	01/22/2013	ND	1.94	97.0	2.00	17.0		
Total Xylenes*	<0.150	0.150	01/22/2013	ND	5.92	98.7	6.00	16.8		
Total BTEX	<0.300	0.300	01/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	01/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/21/2013	ND	179	89.4	200	6.33		
DRO >C10-C28	72.7	10.0	01/21/2013	ND	186	92.8	200	3.57		

Surrogate: 1-Chlorooctane 89.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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 Fax To: (505) 394-2601

 Received: 01/17/2013
 Reported: 01/22/2013
 Project Name: QUAIL QUEEN #9
 Project Number: NONE GIVEN
 Project Location: UL-B SEC. 11. T19S, R34E

 Sampling Date: 01/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 (1.5') (H300134-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2013	ND	1.94	97.1	2.00	17.4		
Toluene*	<0.050	0.050	01/22/2013	ND	1.93	96.6	2.00	16.7		
Ethylbenzene*	<0.050	0.050	01/22/2013	ND	1.94	97.0	2.00	17.0		
Total Xylenes*	<0.150	0.150	01/22/2013	ND	5.92	98.7	6.00	16.8		
Total BTEX	<0.300	0.300	01/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 98.8% 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/21/2013	ND	179	89.4	200	6.33		
DRO >C10-C28	27.7	10.0	01/21/2013	ND	186	92.8	200	3.57		

Surrogate: 1-Chlorooctane 85.7% 65.2-140

Surrogate: 1-Chlorooctadecane 92.5% 63.6-154

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 Fax To: (505) 394-2601

 Received: 01/17/2013
 Reported: 01/22/2013
 Project Name: QUAIL QUEEN #9
 Project Number: NONE GIVEN
 Project Location: UL-B SEC. 11. T19S, R34E

 Sampling Date: 01/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (SURFACE) (H300134-04)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2013	ND	1.94	97.1	2.00	17.4		
Toluene*	0.054	0.050	01/22/2013	ND	1.93	96.6	2.00	16.7		
Ethylbenzene*	0.175	0.050	01/22/2013	ND	1.94	97.0	2.00	17.0		
Total Xylenes*	0.435	0.150	01/22/2013	ND	5.92	98.7	6.00	16.8		
Total BTEX	0.663	0.300	01/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 127 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	01/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	21.6	10.0	01/21/2013	ND	179	89.4	200	6.33		
DRO >C10-C28	1360	10.0	01/21/2013	ND	186	92.8	200	3.57		

Surrogate: 1-Chlorooctane 80.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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 Received: 01/17/2013
 Reported: 01/22/2013
 Project Name: QUAIL QUEEN #9
 Project Number: NONE GIVEN
 Project Location: UL-B SEC. 11. T19S, R34E

 Sampling Date: 01/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (1') (H300134-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2013	ND	1.94	97.1	2.00	17.4		
Toluene*	<0.050	0.050	01/22/2013	ND	1.93	96.6	2.00	16.7		
Ethylbenzene*	<0.050	0.050	01/22/2013	ND	1.94	97.0	2.00	17.0		
Total Xylenes*	<0.150	0.150	01/22/2013	ND	5.92	98.7	6.00	16.8		
Total BTEX	<0.300	0.300	01/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/21/2013	ND	179	89.4	200	6.33		
DRO >C10-C28	32.6	10.0	01/21/2013	ND	186	92.8	200	3.57		

Surrogate: 1-Chlorooctane 75.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.3 % 63.6-154

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

 Received: 01/17/2013
 Reported: 01/22/2013
 Project Name: QUAIL QUEEN #9
 Project Number: NONE GIVEN
 Project Location: UL-B SEC. 11. T19S, R34E

 Sampling Date: 01/17/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 (1.5') (H300134-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/22/2013	ND	1.94	97.1	2.00	17.4		
Toluene*	<0.050	0.050	01/22/2013	ND	1.93	96.6	2.00	16.7		
Ethylbenzene*	<0.050	0.050	01/22/2013	ND	1.94	97.0	2.00	17.0		
Total Xylenes*	<0.150	0.150	01/22/2013	ND	5.92	98.7	6.00	16.8		
Total BTEX	<0.300	0.300	01/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/22/2013	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/21/2013	ND	179	89.4	200	6.33		
DRO >C10-C28	<10.0	10.0	01/21/2013	ND	186	92.8	200	3.57		

Surrogate: 1-Chlorooctane 86.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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

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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

Chain of Custody Form

LAB

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 Chevron USA Facility Name Quail Queen #9 Location UL-B Sec. 11, T19S, R34E Project Reference EPI Sampler Name David Robinson		Bill To Attn: Daniel Dominguez P.O. Box 1558 Eunice, NM 88231		ANALYSIS REQUEST TPH 8015M <input checked="" type="checkbox"/> SULFATES (SO ₄) <input checked="" type="checkbox"/> CHLORIDES (Cl) <input checked="" type="checkbox"/> PH <input type="checkbox"/> TCLP <input type="checkbox"/> OTHER >> <input type="checkbox"/> PAH <input type="checkbox"/>											
LAB I.D.	SAMPLE I.D.	# CONTAINERS	(G)RAB OR (C)OMP.	MATRIX						PRESERV.		SAMPLING		DATE	TIME
				GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	BTEX 8021B		
			G		X	X	X	X	X				17-Jan-13	8:25	
			G		X	X	X	X	X				17-Jan-13	8:26	
			G		X	X	X	X	X				17-Jan-13	8:50	
			G		X	X	X	X	X				17-Jan-13	9:20	
			G		X	X	X	X	X				17-Jan-13	9:22	
			G		X	X	X	X	X				17-Jan-13	9:40	

Sampler Requiring (sies)
 Delivered by: *[Signature]*
 Relinquished by: *[Signature]*
 Date: 1-17-13
 Time: 12:30
 Received By: (lab staff) *[Signature]*
 Time: 4:00
 Sample Cool & Intact
 Yes No
 Checked By: *[Signature]*

E-mail results to: ddominguezepi@gmail.com & bradley.blevins@chevron.com