



February 12, 2015

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: PLU #213 PURPLE

Enclosed are the results of analyses for samples received by the laboratory on 02/09/15 12:45.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	02/09/2015	Sampling Date:	02/06/2015
Reported:	02/12/2015	Sampling Type:	Soil
Project Name:	PLU #213 PURPLE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: P - SP #1 @ SURFACE (H500374-01)

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	02/10/2015	ND	416	104	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	02/10/2015	ND	195	97.4	200	2.52		
DRO >C10-C28	21.9	10.0	02/10/2015	ND	201	101	200	3.37		
EXT DRO >C28-C35	11.3	10.0	02/10/2015	ND						

Surrogate: 1-Chlorooctane 109 % 47.2-157
 Surrogate: 1-Chlorooctadecane 94.5 % 52.1-176

Sample ID: P - SP #1 @ 2' (H500374-02)

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	02/10/2015	ND	416	104	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	02/10/2015	ND	195	97.4	200	2.52		
DRO >C10-C28	<10.0	10.0	02/10/2015	ND	201	101	200	3.37		
EXT DRO >C28-C35	<10.0	10.0	02/10/2015	ND						

Surrogate: 1-Chlorooctane 109 % 47.2-157
 Surrogate: 1-Chlorooctadecane 98.0 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	02/09/2015	Sampling Date:	02/06/2015
Reported:	02/12/2015	Sampling Type:	Soil
Project Name:	PLU #213 PURPLE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: P - SP #2 @ SURFACE (H500374-03)

Chloride, SM4500CI-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	02/10/2015	ND	416	104	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	02/10/2015	ND	195	97.4	200	2.52		
DRO >C10-C28	<10.0	10.0	02/10/2015	ND	201	101	200	3.37		
EXT DRO >C28-C35	<10.0	10.0	02/10/2015	ND						
<i>Surrogate: 1-Chlorooctane</i>	<i>104 %</i>	<i>47.2-157</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>90.4 %</i>	<i>52.1-176</i>								

Sample ID: P - SP #2 @ 2' (H500374-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/10/2015	ND	416	104	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	02/10/2015	ND	195	97.4	200	2.52		
DRO >C10-C28	<10.0	10.0	02/10/2015	ND	201	101	200	3.37		
EXT DRO >C28-C35	<10.0	10.0	02/10/2015	ND						
<i>Surrogate: 1-Chlorooctane</i>	<i>107 %</i>	<i>47.2-157</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>95.0 %</i>	<i>52.1-176</i>								

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

 Received: 02/09/2015
 Reported: 02/12/2015
 Project Name: PLU #213 PURPLE
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 02/06/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: P - SP #3 @ SURFACE (H500374-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/10/2015	ND	416	104	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	02/11/2015	ND	195	97.4	200	2.52	
DRO >C10-C28	<10.0	10.0	02/11/2015	ND	201	101	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	02/11/2015	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>105 %</i>	<i>47.2-157</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>93.2 %</i>	<i>52.1-176</i>							

Sample ID: P - SP #3 @ 2' (H500374-06)

Chloride, SM4500CI-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	02/10/2015	ND	416	104	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	02/11/2015	ND	195	97.4	200	2.52	
DRO >C10-C28	<10.0	10.0	02/11/2015	ND	201	101	200	3.37	
EXT DRO >C28-C35	<10.0	10.0	02/11/2015	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>105 %</i>	<i>47.2-157</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>92.1 %</i>	<i>52.1-176</i>							

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Analytical Results For:

 Basin Environmental Service
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	02/09/2015	Sampling Date:	02/06/2015
Reported:	02/12/2015	Sampling Type:	Soil
Project Name:	PLU #213 PURPLE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: P - SP #4 @ SURFACE (H500374-07)

Chloride, SM4500CI-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	02/10/2015	ND	416	104	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	02/11/2015	ND	195	97.4	200	2.52		
DRO >C10-C28	<10.0	10.0	02/11/2015	ND	201	101	200	3.37		
EXT DRO >C28-C35	<10.0	10.0	02/11/2015	ND						
<i>Surrogate: 1-Chlorooctane</i>	<i>108 %</i>	<i>47.2-157</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>99.9 %</i>	<i>52.1-176</i>								

Sample ID: P - SP #4 @ 2' (H500374-08)

Chloride, SM4500CI-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	02/10/2015	ND	416	104	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	02/11/2015	ND	195	97.4	200	2.52		
DRO >C10-C28	<10.0	10.0	02/11/2015	ND	201	101	200	3.37		
EXT DRO >C28-C35	<10.0	10.0	02/11/2015	ND						
<i>Surrogate: 1-Chlorooctane</i>	<i>105 %</i>	<i>47.2-157</i>								
<i>Surrogate: 1-Chlorooctadecane</i>	<i>92.3 %</i>	<i>52.1-176</i>								

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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



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1041

Company Name: Joel Lowry		P.O. #: BOPCO, LP		BILL TO		ANALYSIS REQUEST																									
Project Manager: P.O. Box 301		Company: BOPCO, LP																													
Address: Lovington		State: NM Zip: 88260		Attn: Tony Savoie																											
City: Lovington		State: NM Zip: 88260		Address:																											
Phone #: (575)396-2378		Fax #: (575)396-1429		City:																											
Project #:		Project Owner:		State: NM Zip:																											
Project Name: PLU #213 (Purple)		Phone #:		Fax #:																											
Project Location: Eddy Co., NM		Sample Name: Klye Schmidt		FOR LAB USE ONLY																											
Lab I.D. H500574		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME			
P-SP #1 @ Surf.		1		1		X																									
P-SP #1 @ 2'		1		1		X																									
P-SP #2 @ Surf.		1		1		X																									
P-SP #2 @ 2'		1		1		X																									
P-SP #3 @ Surf.		1		1		X																									
P-SP #3 @ 2'		1		1		X																									
P-SP #4 @ Surf.		1		1		X																									
P-SP #4 @ 2'		1		1		X																									

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Relinquished By: *Joel Lowry* Date: *4/9/15* Received By: *Paul Savoie* Time: *4:22*

Delivered By: (Circle One) UPS - Bus - Other: *4:22* Sample Condition: Cool Intact Yes No

Checked By: *TS* (Initials)

REMARKS: Please email results to pm@basinenv.com, TSavoie@BassPet.com, acruht@basspet.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476