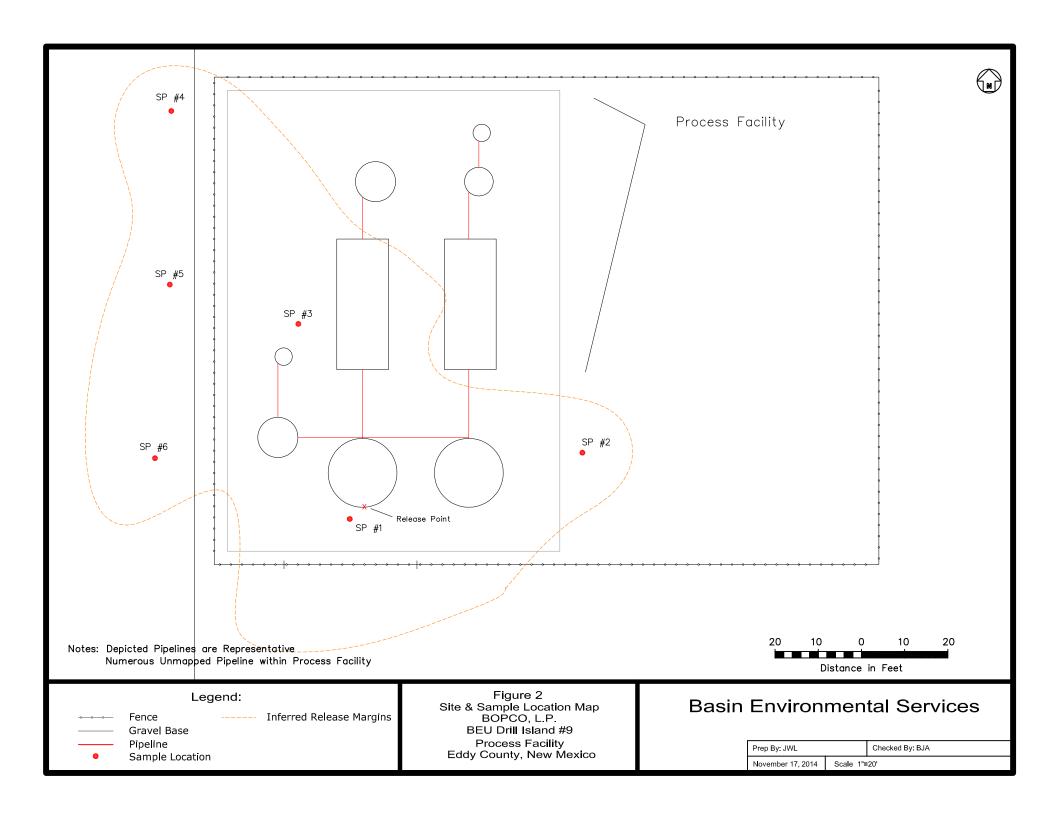
TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP BEU DI - 9 #34 Heater

EDDY COUNTY, NEW MEXICO

					METHOD: E	PA SW 846	-8021B, 503	0	MET	'HOD: 80	15M	TOTAL	4500 CI-B
	SAMPLE	SAMPLE	SOIL			ETHYL-	TOTAL	TOTAL	GRO	DRO	ORO	TPH	
SAMPLE LOCATION	DEPTH	DATE	STATUS	BENZENE			-	BTEX	C ₆ -C ₁₂	C12-C28	C28-C35	C ₆ -C ₃₅	CHLORIDE
	(BGS)			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
SP #1 @ Surface	Surface	11/12/2014	In-Situ	-	-	-	-	-	3,210	16,600	2,500	22,310	992
SP #1 @ 6"	6"	11/12/2014	In-Situ	-	-	-	-	-	4,300	13,600	1,990	19,890	3,520
SP #1 @ 9"	9"	11/12/2014	In-Situ	-	-		-	-	12.7	16.2	<10.0	28.9	416
SP #1 @ 12"	12"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 18"	18"	11/12/2014	In-Situ	-	-		-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 24"	24"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 30"	30"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #1 @ 36"	36"	11/12/2014	In-Situ	-	-		-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ Surface	Surface	11/12/2014	In-Situ	-	-	-	-	-	977	21,100	3,510	25,587	3,560
SP #2 @ 6"	6"	11/12/2014	In-Situ	-	-	-	-	-	293	1,060	139	1,492	<16.0
SP #2 @ 12"	12"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 18"	18"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 24"	24"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #2 @ 30"	30"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #3 @ Surface	Surface	11/12/2014	In-Situ	-	-	-	-	-	2,600	29,000	4,310	35,910	1,090
SP #3 @ 6"	6"	11/12/2014	In-Situ	-	-	-	-	-	25.4	311	36.2	373	784
SP #3 @ 12"	12"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	44.2	<10.0	44.2	80.0
SP #3 @ 18"	18"	11/12/2014	In-Situ	-	-		-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #3 @ 24"	24"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	<16.0
SP #3 @ 30"	30"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	64.0
SP #3 @ 36"	36"	11/12/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	96.0
SP #4 @ Surf.	Surface	11/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	7,280
SP #4 @ 1'	1'	11/14/2014	In-Situ	-	-		-	-	<10.0	<10.0	<10.0	<10.0	560
SP #4 @ 2'	2'	11/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	432
SP #5 @ 1'	1'	11/14/2014	In-Situ	-	-		-	-	<10.0	<10.0	<10.0	<10.0	800
SP #5 @ 2'	2'	11/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	1,260
SP #5 @ 3'	3'	11/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	160
SP #6 @ Surf.	Surface	11/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	12,900
SP #6 @ 1'	1'	11/14/2014	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	272
SP #6 @ 2'	2'	11/14/2014	In-Situ	-	-	-	-	-	-	-	-	-	288
NMOCD Criteria				10				50				5,000	1,000

^{- =} Not analyzed.





November 14, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BEU DI #9

Enclosed are the results of analyses for samples received by the laboratory on 11/13/14 11:15.

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.

Celey D. Keine

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



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Reported: 11/14/2014

Project Name: BEU DI #9 Project Number: NONE GIVEN Project Location: EDDY COUNTY, NM Sampling Date: 11/12/2014

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Celey D. Keene

Sample ID: SP #1 @ SURFACE (H403488-01)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3210	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	16600	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	2500	50.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	349 9	% 47.2-15	7						

390 % 52.1-176 Surrogate: 1-Chlorooctadecane

345 %

52.1-176

Sample ID: SP #1 @ 6" (H403488-02)

Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	11/14/2014	ND	416	104	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	4300	50.0	11/13/2014	ND	199	99.4	200	2.34		
DRO >C10-C28	13600	50.0	11/13/2014	ND	210	105	200	1.53		
EXT DRO >C28-C35	1990	50.0	11/13/2014	ND						

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Celey D. Keene

Surrogate: 1-Chlorooctadecane



Basin Environmental Service
JOEL LOWRY

P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #1 @ 9" (H403488-03)

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	11/14/2014	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	12.7	10.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	16.2	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	111 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

Sample ID: SP #1 @ 12" (H403488-04)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	110	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118	% 52.1-17	6						

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Basin Environmental Service JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #1 @ 18" (H403488-05)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	113 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	<i>'</i> 6						

Sample ID: SP #1 @ 24" (H403488-06)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	114 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	125	% 52.1-17	6						

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Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #1 @ 30" (H403488-07)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	111 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

Sample ID: SP #1 @ 36" (H403488-08)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	113 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

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Celeg D. Freene



Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

FdX 10. (5/5) 390-142

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #2 @ SURFACE (H403488-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	977	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	21100	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	3510	50.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	245	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 675 % 52.1-176

Sample ID: SP #2 @ 6" (H403488-10)

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	11/14/2014	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	293	10.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	1060	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	139	10.0	11/13/2014	ND					
Surrogata: 1 Chlorocetana	137	0/. 17.2.15	7						

Surrogate: 1-Chlorooctane 137 % 47.2-157 Surrogate: 1-Chlorooctadecane 139 % 52.1-176

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Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #2 @ 12" (H403488-11)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	120	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	133	% 52.1-17	76						

Sample ID: SP #2 @ 18" (H403488-12)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	115	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	125	% 52.1-17	6						

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Basin Environmental Service JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #2 @ 24" (H403488-13)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	115 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	126 9	% 52.1-17	76						

Sample ID: SP #2 @ 30" (H403488-14)

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	11/14/2014	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	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	<10.0	10.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	<10.0	10.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	112	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Basin Environmental Service JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014
Reported: 11/14/2014 Sampling Type: Soil

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #3 @ SURFACE (H403488-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	11/14/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2600	50.0	11/13/2014	ND	199	99.4	200	2.34	
DRO >C10-C28	29000	50.0	11/13/2014	ND	210	105	200	1.53	
EXT DRO >C28-C35	4310	50.0	11/13/2014	ND					
Surrogate: 1-Chlorooctane	278 9	% 47.2-15	7						

 Surrogate: 1-Chlorooctadecane
 278 %
 47.2-137

 Surrogate: 1-Chlorooctadecane
 826 %
 52.1-176

Sample ID: SP #3 @ 6" (H403488-16)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	11/14/2014	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	25.4	10.0	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	311	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	36.2	10.0	11/14/2014	ND					
Surrogata: 1 Chlorocetana	113	0/ 17 2 15	7						

Surrogate: 1-Chlorooctane 113 % 47.2-157 Surrogate: 1-Chlorooctadecane 119 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

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Basin Environmental Service JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #3 @ 12" (H403488-17)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	44.2	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	112 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123 9	% 52.1-17	'6						

Sample ID: SP #3 @ 18" (H403488-18)

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	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	112 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	119 9	% 52.1-17	6						

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Basin Environmental Service JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #3 @ 24" (H403488-19)

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	11/14/2014	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	108	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	119	% 52.1-17	'6						

Sample ID: SP #3 @ 30" (H403488-20)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/14/2014	ND	400	100	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	113 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124 9	% 52.1-17	6						

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Basin Environmental Service

JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/13/2014 Sampling Date: 11/12/2014

Reported: 11/14/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EDDY COUNTY, NM

Sample ID: SP #3 @ 36" (H403488-21)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/14/2014	ND	400	100	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	11/14/2014	ND	186	92.8	200	0.855	
DRO >C10-C28	<10.0	10.0	11/14/2014	ND	188	94.1	200	1.14	
EXT DRO >C28-C35	<10.0	10.0	11/14/2014	ND					
Surrogate: 1-Chlorooctane	112	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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 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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

company Name:					•	BILL TO		٦				ANAI YSIS		RECHEST	Ť	
an	Joel Lowry				P.O. #:			7	٦						1	
ess	ox 301				Company:	BOPCO, LP). LP						_			
City: Lovington		State: NM Zip	00	Zip: 88260	Attn:	Tony Savoie	D !									
Phone #: (575)39	(575)396-2378	Fax #: (575)396-1429	129		Address:											
Project #:		Project Owner:			City:					1 "						
Project Name: B	BEU DI #9				State: NM	7in.		,	M)	B)	ГРН					
Project Location:	Eddy Co., NM					rip.		ide	15	021	RI					
Sampler Name:					Phone #:			lor	80	(8	FO					
Campiel Maille.					Fax #:			Chl	Н (ΞX	D F	_				
FOR LAB USE ONLY				MATRIX	PRESERV	SAMPLING	G	(TP	ЗТЕ	OLI		_			
Lab I.D.	Sample I.D.	OR (C)OMP.	AINERS							E	Н					
H403488.		(G)RAB	# CONT	GROUN WASTE SOIL OIL SLUDGE	OTHER ACID/BA ICE / CO OTHER:	DATE	TME									
0	SP #1 @ Surf.	rf.	_	×	×	11/12/14	900	×	×	1	1	+	+	#	$\frac{1}{2}$	+
2	SP #1 @ 6"	9	-	×	×	11/12/14	910	×	× ;	1	1	+	+	+	+	1
6	SP #1 @ 9"	9	-	×	×	11/12/14	920	×	×		1	+	+	+		+
13	SP #1 @ 12"	9	-	×	×	11/12/14	930	×	×		_	+	+	1	-	+
SS	SP #1 @ 18"	9	_	×	×	11/12/14	940	×	×	_	4	+	+	#	_	+
00	SP #1 @ 24"	9	_	×	×	11/12/14	950	×	× !	1	4	+	+	+	+	+
2	SP #1 @ 30"		_	×	×	11/12/17	1000	,	>	1	1	+	+	+	_	-
S	SP #1 @ 36"		_	×	× ;	11/12/14	1010	· >	×	\perp	+	+	+	+		-
09	SP #2 @ Surf.		_	×	× ;	11/12/14	1000	××	×	\perp	+	+	+	1		+
EASE NOTE: I inhilly and Dame	SP #2 @ 6" g 1 x 11/12/14 1030	9	_	Y	×	11/12/14	1030	× >	××	1	+	+	+	#	+	+

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

FORM-006 Revision 1.0 Relinquished B

1

Time; 0': 00

Fax Result: REMARKS:

□ Yes

O No

Add'l Phone #: Add'l Fax #:

Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com

Run Highest TPH for BTEX

gived B

Religquished B

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Joel Lowry		P.O. #:		1			- 2	איניים אבמטבטו	
Address: P.O. Box 301		Company:	BOPCO I P	_					
City: Lovington State: NM	NM Zip: 88260		Tony Savoie						
Phone #: (575)396-2378	Fax #: (575)396-1429	SSS							
Project #: Project Owner:	Owner:	City:							
Project Name: BEU DI #9					1)	B)	PH		
		State: NM Z	Zip:	le	5N	21	Т		
Project Location: Eddy Co., NM		Phone #:		rid	01	802	OR		
Sampler Name:		1		nlo	(8	(F		
		Fax #:		Ch	Н	EX	D		
FOR LAB USE ONLY	MATRIX	TRIX PRESERV.	SAMPLING	(TP	ЗТЕ	OL		
ah D	ATER					ı	Н		
H403433.	# CONT GROUN WASTEV SOIL	OIL SLUDGE OTHER : ACID/BA ICE / CO OTHER :	DATE TIME						
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SP #2 @ 18"	9 1 x	_	\neg	, ;	,	4	+		
SP #2 @ 24"	9 1 ×		\neg	< >	< ,	4	+		
SP #2 @ 30"	9 1 ×		\neg	()	,	+	+		
SP #3 @ Surf.	9 1 x		\neg	()	,	+	+		
SP #3 @ 6"		_	\top	>	×	\downarrow	+		
_	٠ .	_	\top	×	×	-			
	<u> </u>	×	\top	×	×	L			
	0 9 J			×	×	_			
26 SP #3 @ 30"	9 0 1 .	× >	11/12/14 1250	×	×	+			
analyses. All claims including those for repligence and any other canaly what clearly and claims are well as a control of the claims and the limited to the amount paid by the claim for the	for any claim arising whether based in con	ntract or tort, shall be limited to the amo				-		_	

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

Cool Intact
Yes Yes

HECKED BY: (Initials)

Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com

Run Highest TPH for BTEX

Fax Result: REMARKS:

☐ Yes

O No

Add'l Phone #: Add'l Fax #:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Religquish

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name															
Desired indice.					•	BILL TO					AN	ANAL YSIS	REQUEST	ST	
Project Manager:	Joel Lowry				P.O. #:				4	4	-		1000	- 12	
Address: P.O. Box 301	301				Company:	BOPCO I P	0								
9	State: NM	M Zip: 88260	000	8260	Attn:	Tony Savoie	<u>.</u>								
Phone #: (575)396-2378	-2378 Fax #: (575)396-1429	5)396-14	29		Address:								_		
Project #:	Project Owner:	vner:			City										
Project Name: BEL	BEU DI #9				State: NM	7in.				_	ГРН				
Project Location:	Eddy Co., NM							ide	_	_	R				
Sampler Name:					Phone #:			_		_	FO		_		
Campio Hallic.					Fax #:			_	_	_	DI				
FOR LAB USE ONLY				MATRIX	PRESERV.	. SAMPLING	ดิ		TP	BTE	OL				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:		TIME				H				
12	SP #3 @ 36"	9	_	×	×		1300	×	×	+	+	1	+		F
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PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusion remedy for any orbit model in the first section of the control of the contro		_	•					_	_		_		_		

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

Sample Condition
Cool Intact
Yes Ves
No No

CHECKED BY:

Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com

Run Highest TPH for BTEX

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished B

lakeum

Phone Result: Fax Result: REMARKS:

□ Yes

O No

Add'l Phone #: Add'l Fax #:

FORM-006 Revision 1.0



November 21, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BEU DI #9

Enclosed are the results of analyses for samples received by the laboratory on 11/19/14 10:05.

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)

Celey D. Keine

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



Basin Environmental Service

JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/19/2014 Sampling Date: 11/14/2014

Reported: 11/21/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SP #4 @ SURFACE (H403555-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	11/20/2014	ND	416	104	400	3.92	

Sample ID: SP #4 @ 1' (H403555-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	11/20/2014	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	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	182	90.8	200	3.21	
EXT DRO >C28-C35	<10.0	10.0	11/20/2014	ND					
Surrogate: 1-Chlorooctane	127	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	142	% 52.1-17	6						

Sample ID: SP #4 @ 2' (H403555-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/20/2014	ND	416	104	400	3.92	

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Basin Environmental Service JOEL LOWRY

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/19/2014 Sampling Date: 11/14/2014

Reported: 11/21/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SP #5 @ 1' (H403555-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/20/2014	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	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	182	90.8	200	3.21	
EXT DRO >C28-C35	<10.0	10.0	11/20/2014	ND					
Surrogate: 1-Chlorooctane	119 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	132	% 52.1-17	'6						

Sample ID: SP #5 @ 2' (H403555-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	11/20/2014	ND	416	104	400	3.92	

Sample ID: SP #5 @ 3' (H403555-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/20/2014	ND	416	104	400	3.92	

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Basin Environmental Service

JOEL LOWRY P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 11/19/2014 Sampling Date: 11/14/2014

Reported: 11/21/2014 Sampling Type: Soil

Project Name: BEU DI #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

Sample ID: SP #6 @ SURFACE (H403555-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12900	16.0	11/20/2014	ND	416	104	400	3.92	

Sample ID: SP #6 @ 1' (H403555-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/20/2014	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	11/20/2014	ND	182	90.8	200	3.28	
DRO >C10-C28	<10.0	10.0	11/20/2014	ND	182	90.8	200	3.21	
EXT DRO >C28-C35	<10.0	10.0	11/20/2014	ND					
Surrogate: 1-Chlorooctane	129	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	139	% 52.1-17	6						

Sample ID: SP #6 @ 2' (H403555-09)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	11/20/2014	ND	416	104	400	3.92	

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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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Company: BOPCO, LP	Project Manager:	Joel Lowry								ANALYSIS REQ	UEST
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Sampler - UPS - Bus - Other: Delivered By: (Circle One) uished By: 3 Time; 3 d Date; 1-15-14 Cool Intact
Yes Yes CHECKED BY: Fax Result: REMARKS: Phone Result: Please email results to pm@basinenv.com, TASavoie@BassPet.com, acruth@basspet.com □ Yes O No Run Highest TPH for BTEX Add'l Phone #: Add'l Fax #:

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

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