District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

HOBBS OCD

Form C-141 Revised October 10, 2003

MAY 0 4 2018 ubmit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

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Release Notification and Corrective Action

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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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

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E-mail Addre	ess: bjarguij	io@basinenv.c	com			Conditions of	Approval:				
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Basin Environmental Service Technologies, LLC

3100 Plains Highway P. O. Box 301 Lovington, New Mexico 88260

bjarguijo@basinenv.com

Office: (575) 396-2378

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REMEDIATION SUMMARY & RISK-BASED SITE CLOSURE REQUEST

BOPCO, LP
HAT MESA STATE 31-32 BATTERY
Lea County, New Mexico
Unit Letter "B" (NW/NE), Section 31, Township 20 South, Range 33 East
Latitude 32.534822° North, Longitude 103.700502° West
NMOCD Reference #1RP-5-12-2812

Prepared For:

BOPCO, LP 522 W. Mermod, Suite 704 Carlsbad, New Mexico 88220

Prepared By:
Basin Environmental Service Technologies, LLC
3100 Plains Highway
Lovington, New Mexico 88260

July 2012

Ben J. Arguijo Project Manager

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FIGURES

Figure 1 – Site Location Map

Figure 2 – Site & Sample Location Map

TABLES

Table 1 - Concentrations of Benzene, BTEX, TPH & Chloride in Soil

APPENDICES

Appendix A – Release Notification and Corrective Action (Form C-141)

Appendix B – Photographs

Appendix C – Soil Boring Logs

Appendix D – Laboratory Analytical Reports

1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin Environmental), on behalf of BOPCO, LP (BOPCO), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the release site known as Hat Mesa State 31-32 Battery. The legal description of the release site is Unit Letter "B" (NW/NE), Section 31, Township 20 South, Range 33 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32.534822° North latitude and 103.700502° West longitude. The property affected by the release is owned by the State of New Mexico and administered by the New Mexico State Land Office (NMSLO). Please reference Figure 1 for a "Site Location Map".

On April 18, 2012, BOPCO discovered a release had occurred at the Hat Mesa State 31-32 tank battery. Connections on a four-inch (4") truck load line had been leaking for an indeterminate period of time, resulting in the release of approximately five barrels (5 bbls) of crude oil. The release was confined to the earthen containment area surrounding the tank battery. During initial response activities, heavily impacted soil was excavated and stockpiled on-site, pending final disposition.

The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on May 2, 2012. The "Release Notification and Corrective Action" (Form C-141) indicated the release affected an area inside the earthen containment area measuring approximately two hundred square feet (200 ft²). The Form C-141 is provided as Appendix A.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Water Rights Reporting System (NMWRRS) database maintained by the New Mexico Office of the State Engineer (NMOSE) indicated information was unavailable for Section 31, Township 20 South, Range 33 East. A depth to groundwater reference map utilized by the NMOCD indicates groundwater should be encountered at approximately seventy feet (70') below ground surface (bgs). Based on the NMOCD ranking system, ten (10) points will be assigned to the site as a result of this criterion.

A search of the NMWRRS database indicated there are no water wells within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within 1,000 feet of the release. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the Hat Mesa release site has an initial ranking score of ten (10) points. The soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene 10 mg/Kg (ppm)
- BTEX -50 mg/Kg (ppm)
- TPH 1,000 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis. Due to the depth to groundwater at the Hat Mesa release site and the possibility of groundwater impact, the NMOCD has set the regulatory remediation action level (RRAL) for chloride at 250 mg/Kg.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On April 26, 2012, following initial response activities, delineation of the release site commenced. One (1) hand-augered soil boring was advanced at the site to delineate the vertical extent of impact. The soil boring was advanced in a pooling area of the release located at the center of the Hat Mesa State 31-32 tank battery. The soil boring was advanced to a total depth of approximately two feet (2') bgs. One (1) soil sample (Sample #1) was collected from the soil boring and submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of total petroleum hydrocarbon (TPH) and chloride concentrations using EPA methods SW-846 8015M and 4500 Cl-B, respectively. Laboratory analytical results indicated the TPH concentration in soil sample "Sample #1" was 16,460 mg/Kg, and the chloride concentration was 80.0 mg/Kg. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". A "Site & Sample Location Map" is provided as Figure 2.

Laboratory analytical results indicated further vertical delineation would be required in the area represented by soil sample "Sample #1".

On May 3, 2012, one (1) hand-augered soil boring was advanced in the area represented by soil sample "Sample #1" to further investigate the vertical extent of impact. Soil samples were collected at two-foot (2') intervals and field-screened using a photo-ionization detector (PID) and chloride test kit. Three soil samples (Sample #2, Sample #5, and Sample #6) were collected from the soil boring and submitted to the laboratory for analysis of TPH concentrations. Soil sample "Sample #6" was also analyzed for concentrations of chloride and benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method SW-846 8021b. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory method detection limit (MDL) in soil sample "Sample #6" to 17,550 mg/Kg in soil sample "Sample #2". BTEX constituent concentrations in soil sample "Sample #6" were less than the appropriate laboratory MDL, and the chloride concentration was 80.0 mg/Kg.

Following advancement of the soil boring, three (3) additional soil samples (Sample #3, Sample #4, and Sample #8) were collected from the pooling area at the center of the tank battery. The soil samples were submitted to the laboratory for analysis of TPH and/or BTEX concentrations. Soil sample "Sample #8" was also analyzed for chloride concentrations. Laboratory analytical results indicated benzene concentrations were less than the laboratory MDL in all submitted soil samples. BTEX concentrations ranged from 0.547 mg/Kg in soil sample "Sample #8" to 1.017 mg/Kg in soil sample "Sample #4". TPH concentrations ranged from 406 mg/Kg in soil sample "Sample #3" to 5,830 mg/Kg in soil sample "Sample #8". The chloride concentration in soil sample "Sample #8" was 3,480 mg/Kg.

A delineation trench was also advanced at the site to investigate the horizontal and vertical extent of impact at the release point. The delineation trench was located approximately five feet (5') to the northwest of the tank battery, between the tank battery and the earthen containment berm.

The trench was advanced to a total depth of approximately ten feet (10') bgs. Soil samples were collected at selected intervals and field-screened using a PID and chloride test kit. A single confirmation soil sample (Sample #12) was collected from the trench and submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated BTEX and TPH constituent concentrations were less than the appropriate laboratory MDL, and the chloride concentration was 9,600 mg/Kg.

Laboratory analytical results indicated further vertical delineation would be required in the area represented by soil sample "Sample #12".

Following excavation of the delineation trench, one (1) five-point composite soil sample (Berm Material) of stockpiled material removed from the earthen containment berm was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated BTEX constituent concentrations were less than the appropriate laboratory MDL. The TPH concentration was 1,723 mg/Kg, and the chloride concentration was 1,070 mg/Kg.

On May 4, 2012, B&H Maintenance & Construction of Carlsbad, New Mexico, commenced excavation of impacted soil at the site. To facilitate remediation activities, the excavation was divided into two (2) sections: North Excavation and Middle Excavation. The North Excavation was located at the release point, in the area represented by soil samples "Sample #8" and "Sample #12". The Middle Excavation was located in the center of the tank battery, in the area represented by soil samples "Sample #1" through "Sample #6". To preserve the structural integrity of the five (5) on-site storage tanks, the vertical extent of the North Excavation was limited to eight feet (8') bgs, and the vertical extent of the Middle Excavation was limited to five feet (5') bgs. Excavated soil was stockpiled on-site, pending final disposition.

Following excavation activities, four (4) soil samples (North Excavation North Wall, North Excavation South Wall, North Excavation East Wall, and North Excavation West Wall) were collected from the floor and sidewalls of the North Excavation, and three (3) soil samples (Middle Excavation East Wall, Middle Excavation West Wall, and Middle Excavation Bottom) were collected from the floor and sidewalls of the Middle Excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated benzene concentrations were less than the laboratory MDL in all submitted soil samples. BTEX concentrations ranged from less than the laboratory MDL in soil sample "Middle Excavation West Wall" to 1.19 mg/Kg in soil sample "North Excavation North Wall". TPH concentrations ranged from less than the laboratory MDL in soil samples "North Excavation South Wall", "North Excavation West Wall", "Middle Excavation East Wall", and "Middle Excavation Bottom" to 1,710 mg/Kg in soil sample "Middle Excavation West Wall". Chloride concentrations ranged from 1,550 mg/Kg in soil sample "North Excavation West Wall" to 19,600 mg/Kg in soil sample "North Excavation North Wall".

Further excavation in the areas represented by soil samples "North Excavation North Wall", "North Excavation East Wall", "North Excavation West Wall", and "Middle Excavation West Wall" was precluded by the presence of the on-site storage tanks and/or numerous pipes and appurtenances.

Based on laboratory analytical results and field-screens, from May 7 through May 8, 2012, the North Excavation and Middle Excavation were backfilled with non-impacted material to approximately eighteen-inches (18") bgs to facilitate the installation of an impermeable liner in the floor of the excavations at a later date. Prior to backfilling, final dimensions of the North Excavation were approximately twenty-two feet (22') in length, ranging in width from approximately four feet (4') to approximately six feet (6'), and ranging in depth from approximately eight feet (8') to approximately ten feet (10'). Final dimensions of the Middle Excavation were approximately twenty feet (20') in length, ranging in width from approximately feet (4') to approximately eight feet (8'), and approximately five feet (5') in depth.

On May 21, 2012, a representative of Basin Environmental met with a representative of the NMOCD Hobbs District Office to submit a *Remediation Summary & Risk-Based Site Closure Strategy* (Work Plan) and to discuss potential locations for up to four (4) proposed soil borings to investigate the vertical extent of impacted soil at the site. The Work Plan and proposed soil boring locations were approved by the NMOCD representative. Approval was also obtained to advance monitor wells at the site, if it was determined that contamination impacted groundwater.

On May 25, 2012, four (4) soil borings (SB-1 through SB-4) were advanced at the site to further investigate the vertical extent of impacted soil. Soil samples were collected at five-foot (5') drilling intervals and field screened using a PID and/or chloride test kit. Selected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Soil boring logs are provided as Appendix C.

Soil boring SB-1 was advanced at the release point, in the footprint of the North Excavation. The soil boring was advanced to a total depth of approximately twenty feet (20') bgs, when the borehole collapsed. The collapse of the borehole was attributed to insufficient compaction of the backfill material by a previous contractor. Soil samples collected at drilling depths of ten feet (10'), fifteen feet (15'), and twenty feet (20') bgs were submitted to the laboratory for analysis of TPH and/or chloride concentrations. Soil sample SB-1@ 20' was also analyzed for BTEX concentrations. Laboratory analytical results indicated TPH concentrations ranged from 760 mg/Kg in soil sample SB-1 @ 20' to 889 mg/Kg in soil sample SB-1 @ 15'. Chloride concentrations ranged from 5,100 mg/Kg in soil sample SB-1 @ 20' to 6,480 mg/Kg in soil sample SB-1 @ 10'. BTEX constituent concentrations in soil sample SB-1 @ 20' were less than the appropriate laboratory MDL.

Soil boring SB-2 was advanced approximately forty feet (40') to the south of soil boring SB-1, along the flow path of the release. The soil boring was advanced to a total depth of approximately sixty feet (60') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), twenty feet (20'), thirty feet (30'), forty feet (40'), forty-five feet (45'), fifty-five feet (55'), and sixty feet (60') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples. TPH concentrations were less than the laboratory MDL in all submitted soil samples, with the exception of soil sample SB-2 @ 5', which exhibited a TPH concentration of 122 mg/Kg. Chloride concentrations ranged from 144 mg/Kg in soil sample SB-2 @ 60' to 4,000 mg/Kg in soil sample SB-2 @ 30'.

Soil boring SB-3 was advanced approximately ten feet (10') to the west of soil boring SB-1, outside the containment area of the battery. The soil boring was advanced to a total depth of

approximately thirty-five feet (35') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), twenty feet (20'), thirty feet (30'), and thirty-five feet (35') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated TPH and BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples. Chloride concentrations ranged from 176 mg/Kg in soil sample SB-3 @ 35' to 1,960 mg/Kg in soil sample SB-3 @ 5'.

Soil boring SB-4 was advanced approximately eight feet (8') to the west of soil boring SB-2, outside the containment area of the battery. The soil boring was advanced to a total depth of approximately forty-five feet (45') bgs. Soil samples collected at drilling depths of five feet (5'), ten feet (10'), twenty-five feet (25'), forty feet (40'), and forty-five feet (45') bgs were submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations. Laboratory analytical results indicated TPH and BTEX constituent concentrations were less than the appropriate laboratory MDL in all submitted soil samples. Chloride concentrations ranged from 16.0 mg/Kg in soil samples SB-4 @ 5' and SB-4 @ 25' to 160 mg/Kg in soil sample SB-4 @ 45'.

Based on laboratory analytical results from samples collected from the four (4) soil borings, it was determined that contamination did not impact groundwater at the site.

On June 13, 2012, a representative of Basin Environmental met with a representative of the NMOCD Hobbs District Office to request provisional closure of the Hat Mesa State 31-32 Battery release site. Since laboratory analytical results indicated contamination did not impact groundwater, it was requested that the site be closed without installing monitor wells. Due to safety and environmental concerns, and to preserve the structural integrity of the five (5) on-site storage tanks, it was further requested to leave soil exhibiting chloride concentrations above the RRAL established for the site in-situ. The requests were approved by the NMOCD representative, with the caveat that soil exhibiting chloride concentrations above the RRAL would be remediated following decommission and/or abandonment of the currently active tank battery.

From July 2 through July 10, 2012, a new containment area was constructed around the Hat Mesa State 31-32 Battery, which includes steel perimeter walls extending approximately two feet (2') above ground surface. A felt liner was installed in the floor of the new containment area, and the floor and perimeter walls of the containment area were coated with an impermeable, spray-on polyurethane liner.

On July 13, 2012, the stockpiled material was transported to Lea Land, Inc. (NMOCD Permit # WM-01-035) for disposal by Republic Trucking of Carlsbad, New Mexico.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Xenco Laboratories in Odessa, Texas, for BTEX, TPH, and/or chloride analyses using the methods described below:

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin Environmental has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin Environmental has not conducted an independent examination of the facts contained in referenced materials and statements. Basin Environmental has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin Environmental has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of BOPCO, LP. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or BOPCO, LP.

7.0 DISTRIBUTION:

Copy 1: Geoffrey Leking

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division (District 1)

1625 French Drive Hobbs, NM 88240

GeoffreyR.Leking@state.nm.us

Copy 2: William Sonnamaker

New Mexico State Land Office

2702-D N. Grimes Hobbs, NM 88240

Copy 3: Tony Savoie

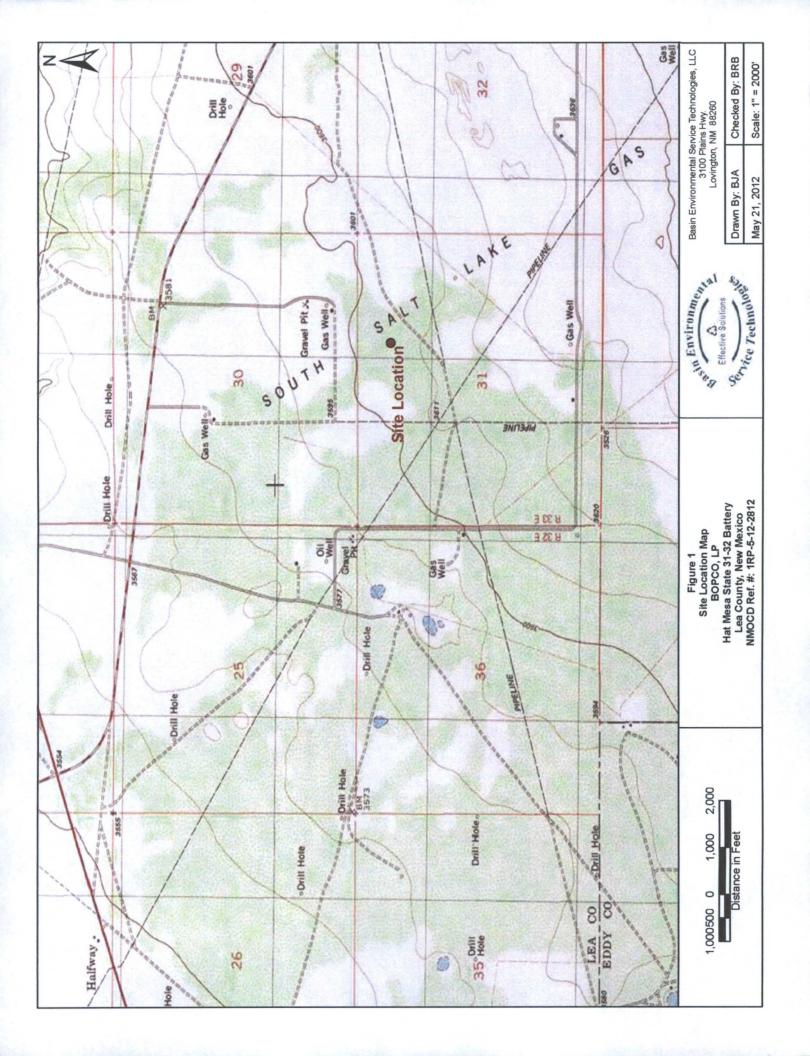
BOPCO, LP

522 W. Mermod, Suite 704 Carlsbad, NM 88220

Copy 4: Basin Environmental Service Technologies, LLC

P.O. Box 301

Lovington, NM 88260



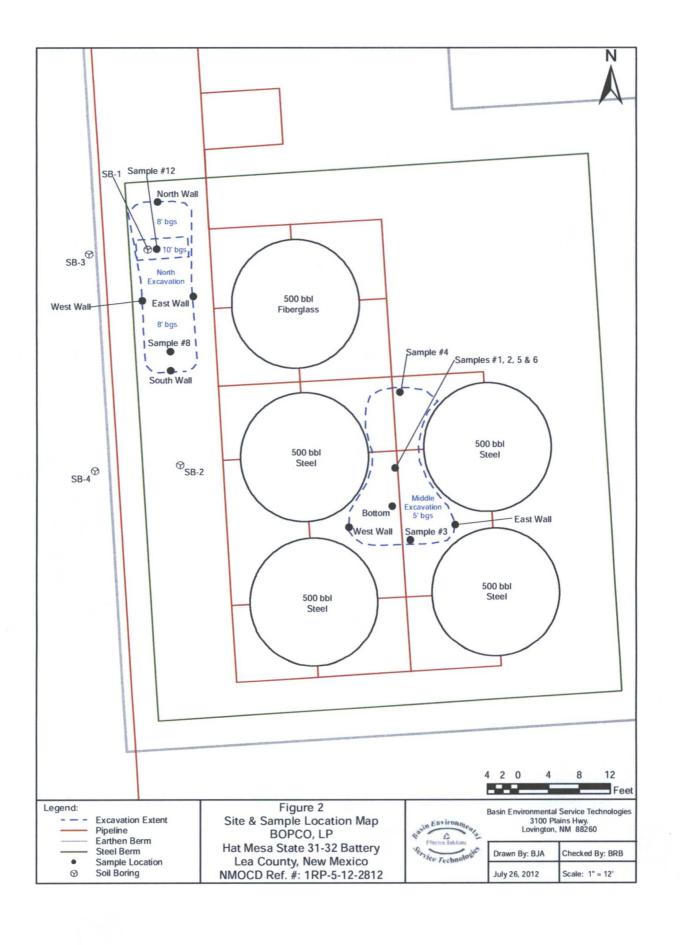


TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP
HAT MESA STATE 31-32 BATTERY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #1RP-5-12-2812

					METHOD: EF	METHOD: EPA SW 846-8021B, 5030	21B, 5030		ME	METHOD: 8015M	SM	TOTAL	E 300
SAMPLE LOCATION	SAMPLE	SAMPLE	SOIL	BENZENE	TOLUENE	ETHYL-	TOTAL	TOTAL	GRO	DRO	ORO	E C	CHLORIDE
	(BGS)	DAIE	SIAIUS	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	C ₆ -C ₁₂ (mg/Kg)	(mg/Kg)	C28-C35 (mg/Kg)	(mg/Kg)	(mg/Kg)
Sample #1	2'	4/26/2012	In-Situ	-			-		1,510	12,700	2,250	16,460	80.0
				The second		STATE OF BUSINESS	A Comment of the control of						
Sample #2	-4	5/3/2012	In-Situ				-		1,390	13,300	2,860	17,550	
Sample #3	3,	5/3/2012	In-Situ						<10.0	311	94.5	406	
Sample #4	3,	5/3/2012	In-Situ	<0.050	<0.050	0.353	0.664	1.017	75.5	1,700	292	2,068	
Sample #5	-9	5/3/2012	In-Situ						<10.0	22.7	16.1	38.8	
Sample #6	œ	5/3/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	80.0
Sample #8	1,	5/3/2012	In-Situ	<0.050	<0.050	0.547	<0.150	0.547	<200	4,180	1,650	5,830	3,480
Sample #12	10,	5/3/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	009'6
Berm Material	N/A	5/3/2012	Excavated	<0.050	<0.050	<0.050	<0.150	<0.150	<50.0	1,190	533	1,723	1,070
North Excavation North Wall	.9	5/4/2012	In-Situ	<0.050	<0.050	0.297	0.888	1.19	8.69	613	140	823	19,600
North Excavation South Wall	.9	5/4/2012	In-Situ					-	<10.0	<10.0	<10.0	<10.0	2,280
North Excavation East Wall	-9	5/4/2012	In-Situ						<10.0	<10.0	13.2	13.2	12,600
North Excavation West Wall	-9	5/4/2012	In-Situ					,	<10.0	<10.0	<10.0	<10.0	1,550
Middle Excavation East Wall	3.5'	5/4/2012	In-Situ						<10.0	<10.0	<10.0	<10.0	
Middle Excavation West Wall	3.5'	5/4/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<50.0	1,320	390	1,710	
Middle Excavation Bottom	5'	5/4/2012	In-Situ	-		-			<10.0	<10.0	<10.0	<10.0	
				T.								X	
SB-1 @ 10'	10,	5/25/2012	In-Situ			1			<50.0	558	208	766	6,480
SB-1 @ 15'	15'	5/25/2012	In-Situ		,				<50.0	643	246	889	,
SB-1 @ 20'	20,	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<50.0	536	224	760	5,100
SB-2 @ 5'	5.	5/25/2012	In-Situ					1	<10.0	71.8	49.7	122	576
SB-2 @ 10'	10,	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	320
SB-2 @ 20'	20,	5/25/2012	In-Situ						<10.0	<10.0	<10.0	<10.0	656
SB-2 @ 30'	30,	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	4,000
SB-2 @ 40'	40,	5/25/2012	In-Situ			-			<10.0	<10.0	<10.0	<10.0	3,240
SB-2 @ 45'	45'	5/25/2012	In-Situ										2,000
SB-2 @ 55'	55'	5/25/2012	In-Situ									1	304
SB-2 @ 60'	,09	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	144
SB-3 @ 5'	5'	5/25/2012	In-Situ					i.	<10.0	<10.0	<10.0	<10.0	1,960
SB-3 @ 10'	10,	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	1,180
SB-3 @ 20'	20,	5/25/2012	In-Situ						<10.0	<10.0	<10.0	<10.0	496
SB-3 @ 30'	30,	5/25/2012	In-Situ			,		1	-			,	208
SB-3 @ 35'	35'	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	176
											The second		

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BOPCO, LP HAT MESA STATE 31-32 BATTERY LEA COUNTY, NEW MEXICO NMOCD REFERENCE #1RP-5-12-2812

					METHOD: EP	METHOD: EPA SW 846-8021B, 5030	21B, 5030		MET	METHOD: 8015N	SM	TOTAL	E 300
SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE	SOIL	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL	TOTAL	GRO C ₆ -C ₁₂	DRO C ₁₂ -C ₂₈	ORO C ₂₈ -C ₃₅	C ₆ -C ₃₅	CHLORIDE
	(553)			(Bu/Biii)	(By/Biii)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)		(mg/Kg)	(mg/Kg)	(By/Bill)
SB-4 @ 5'	5.	5/25/2012	In-Situ					-	<10.0	<10.0	<10.0	<10.0	16.0
SB-4 @ 10'	10,	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	32.0
SB-4 @ 25'	25'	5/25/2012	In-Situ	,		,	-	-	<10.0	<10.0	<10.0	<10.0	16.0
SB-4 @ 40'	40,	5/25/2012	In-Situ			,		-					48.0
SB-4 @ 45'	45'	5/25/2012	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.150	<10.0	<10.0	<10.0	<10.0	160
		の大学をからない										March & State	
NMOCD Standard				10				50				1,000	200
- = Not analyzed.													



Hat Mesa State 31-32 Battery - Release Point (looking north)



Hat Mesa State 31-32 Battery - Release Site



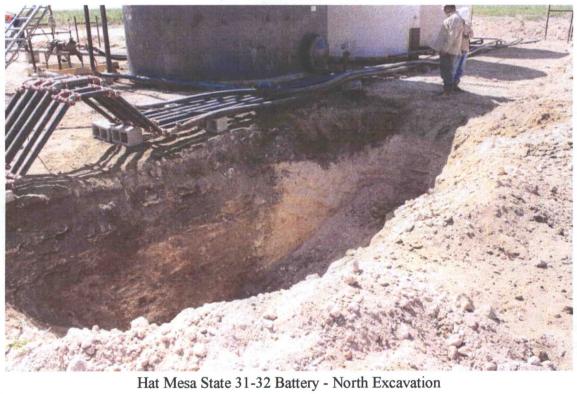
Hat Mesa State 31-32 Battery - Release Site



Hat Mesa State 31-32 Battery - Release Site



Hat Mesa State 31-32 Battery - North Excavation (looking north-northeast)





Hat Mesa State 31-32 Battery - North Excavation (following backfill, looking north)



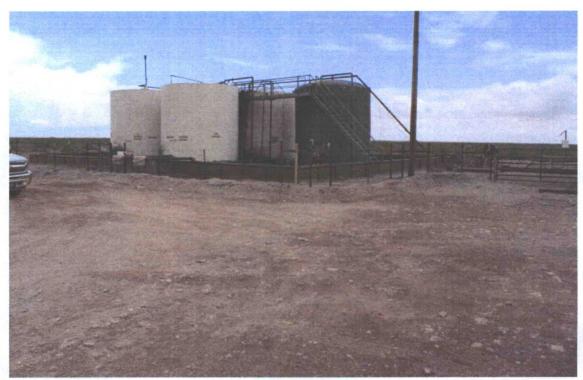
Hat Mesa State 31-32 Battery - Middle Excavation (following backfill)



Hat Mesa State 31-32 Battery - Preparation for Advancement of Soil Boring SB-1



Hat Mesa State 31-32 Battery - Advancement of Soil Boring SB-2



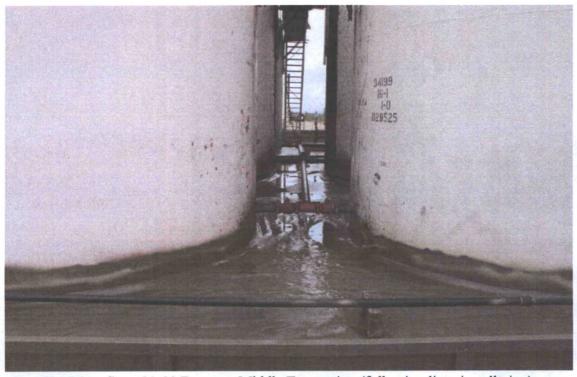
Hat Mesa State 31-32 Battery - Following Installation of Titan Liner (looking soutwest)



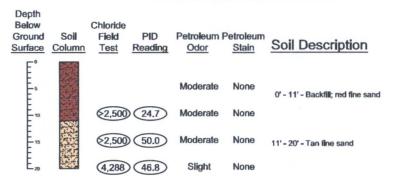
Hat Mesa State 31-32 Battery - North Excavation (following liner installation, looking east)



Hat Mesa State 31-32 Battery - Following Liner Installation (looking southeast)



Hat Mesa State 31-32 Battery - Middle Excavation (following liner installation)



Boring SB-1

May 25, 2012 Thickness of Bentonite Seat 20 Ft Depth of Exploratory Boring 20 Ft bgs Depth to Groundwater __ Ground Water Elevation_

Indicates the PSH level measured

Indicates the groundwater level measured on Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization defector.

Completion Notes

- The soil boring was advanced on date using air rotary drilling techniques.
 The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradust.
- Borehole collapsed approximately twenty feet (20') below ground surface.

Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

Basin Environments

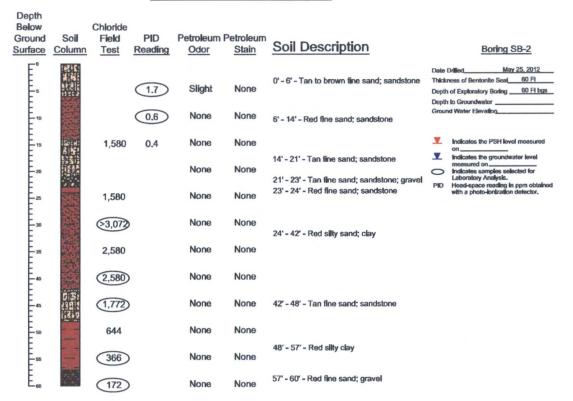
Terrice Technologie

Prep By: BJA Checked By: BRB June 21, 2012

Hat Mesa State 31-32 Battery Lea County, New Mexico

Soil Boring SB-1





Completion Notes

- The soil boring was advanced on date using air rotary drilling techniques.
 The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Basin Environmenta Ferrice Technologie

Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

Checked By: BRB Prep By: BJA June 21, 2012

Depth Below Ground Surface	Soil Column	Chloride Field Test	PID Reading	Petroleum P	etroleum Stain	Soil Description		Boring SB-3
5 - 10			0.9	None	None	0' - 9' - Tan fine sand; calliche; sandstone	Thick Depth Depth	Drillied
15	ELECT SUSSIS	496	1.7	None	None	9' - 14' - Red fine sand; sandstone	<u>*</u>	Indicates the PSH level measured on
		264		None	None	14' - 35' - Tan fine sand; sandstone	PID	Laboratory Analysis. Head-space reading in ppm obtained with a photo-ionization detector.
30		172		None	None			

Completion Notes

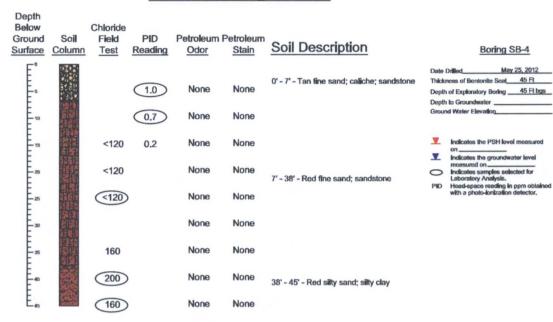
- The soil boring was advanced on date using air rotary drilling techniques.
 The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

Checked By: BRB Prep By: BJA June 21, 2012

Pervice Technologie

BOPCO, LP



Completion Notes

May 25, 2012

- The soil borling was advanced on date using air rotary drilling techniques.
 The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Basin Environment Price Technologie

Basin Environmental Service Technologies, LLC 3100 Plains Hwy. Lovington, NM 88260

Checked By: BRB Prep By: BJA June 21, 2012



May 01, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HAT MESA

Enclosed are the results of analyses for samples received by the laboratory on 04/30/12 8:25.

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 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.

Celeg 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 BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Sampling Date:

04/26/2012

Received: Reported: 04/30/2012 05/01/2012

Sampling Type:

Soil

Project Name:

HAT MESA

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: SAMPLE #1 2' (H200976-01)

Chloride, SM4500Cl-B	mg /	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/30/2012	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	1510	200	05/01/2012	ND	195	97.5	200	1.00	
DRO >C10-C28	12700	200	05/01/2012	ND	208	104	200	1.79	
EXT DRO >C28-C35	2250	200	05/01/2012	ND					
Surrogate: 1-Chlorooctane	170	% 55.5-15	4						

Surrogate: 1-Chlorooctadecane

76.4 %

57.6-158

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount pald by client for analyses. All claims, including those for negligence and any other cause whatsoever 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 resons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laboratories.

Celeg & Keins



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

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keens

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

The second secon	Company Name: Basin Environmental Service Technologies, LLC	tal Service T	rech	nole	ogie	S, L	37			SILL	BILL TO						AN	ALYS	IS R	ANALYSIS REQUEST	ST			
Project Manage	Project Manager: Ben J. Arguijo							P.O.	#:			Marie Marie Control	-	-	T. Carrier			_	-				L	_
Address: P.O.	P.O. Box 301							Con	Company: BOPCO,	BOP :		LP						-						_
Gity: Lovington	uo	State: NM	Zip:		98260			Attr	Attn: Tony Savoie	ny Sa	avoie			-										
Phone #: (575) 396-2378	396-2378	Fax #: (575) 396-1429	1-96	429				Ado	Address: 522 w. Mermod	522	v. Me	pour	-			_								-
Project #:		Project Owner: BO	BO.	PCO,	L.			City	City: Carlsbad	sbad														
Project Name:	HAT MESA							Stal	State: NM	Zi	Zip: 88220	20					-							-
Project Location	Project Location: Lea, N.M.							Pho	Phone #: (432) 556-8730	432)	556-8	730												
Sampler Name:	Jody Walters	523						Fax#:	北															
FOR LAB USE CNLY					NAME OF TAXABLE PARTY.	MATRIX	RIX	Ī	PRESERV	RV	SAMPLING	LING	Γ		_	-								-
Lab 1.D. H2WO9716	Sample I.D.	.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER FETAWETER	7108	STADGE OIL	OTHER:	ACID/8ASE	: R3HTO	DATE	TIME		Boism	Chlo1:02									
1	Sample #1	2'	S -monetoned	-	-	>			×	-	4-26-12	2 9.00		X	X	-	H		L		L		L	1

analyses. All barms individing those for neighbories and any other cause whatone or shall be determed write-of univers made in water and recovered by Cardinal water 30 days after completion of the applicative service. In no event shall Cardinal be labble for incohests or consequent diamagnes including vietboal ansatzes interruptions, Jest 30 use, or laws of profits mounted by other its subordance.

H. C. 163	Fax Result:	REMARKS:		Please email results to probasinent con	& TAsavoie@BassPet.com		
The state of the s	45011	TENENT I WANTED THE	Date: 31 13 Received By	mess alle senson	Sample Condition CHECKED BY:	The Man Man	OPENING PROPERTY AND ADDRESS OF THE PROPERTY O
		1/w/Water	Relinguished By	Illey Iller	Defivered By: (Circle Ogé)	Sampler - UPS - Bus - Other:	10.11.11.11.11.11.11.11.11.11.11.11.11.1

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

Page 4 of 4



May 11, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HAT MESA 31-32

Enclosed are the results of analyses for samples received by the laboratory on 05/04/12 10:20.

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/ga/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.

Celeg & 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 BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Received:

05/04/2012

Reported:

05/11/2012

Project Name: Project Number: HAT MESA 31-32 NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #2 4' (H201026-01)

TPH 8015M	mg/l	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	1390	200	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	13300	200	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	2860	200	05/09/2012	ND					
Surrogate: 1-Chlorooctane	179 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	434 %	57.6-15	8						

Sample ID: SAMPLE #3 3' (H201026-02)

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	311	10.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	94.5	10.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	91.8 %	6 55.5-15	4						
Surrogate: 1-Chlorooctadecane	103 %	57.6-15	8						

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 watered 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 substituries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laboratories.

Celeg & Keens



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

Received:

05/04/2012

Reported:

05/11/2012

Project Name:

HAT MESA 31-32 NONE GIVEN

Project Number: Project Location:

LEA COUNTY, NM

Sampling Date:

05/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #4 3' (H201026-03)

BTEX 8021B	mg/	kg	Analyze	d By: ZZZ					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	<0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	0.353	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	0.664	0.150	05/11/2012	ND	6.98	116	6.00	7.19	
Surrogate: 4-Bromofluorobenzene (PID	164 9	% 64.4-13	4						
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	75.5	50.0	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	1700	50.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	292	50.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	110 %	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	108 9	% 57.6-15	8						

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Celeg & Keens

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Sampling Date:

05/03/2012

Received: Reported: 05/04/2012 05/11/2012

Sampling Type:

Soil

Project Name:

HAT MESA 31-32

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: SAMPLE #5 6' (H201026-04)

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	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	22.7	10.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	16.1	10.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	80.5	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	89.1	% 57.6-15	8						

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Celey & Keens Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/04/2012

Reported:

05/11/2012

Project Name: Project Number: HAT MESA 31-32 NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #6 8' (H201026-05)

BTEX 8021B	mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	< 0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	<0.150	0.150	05/11/2012	ND	6.98	116	6.00	7.19	
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 64.4-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/07/2012	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	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	184	92.0	200	3.04	
				ND					

Surrogate: 1-Chlorooctane 77.2 % 55.5-154 86.3 % 57.6-158 Surrogate: 1-Chlorooctadecane

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Celeg to Keena

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Received: Reported: 05/04/2012 05/11/2012

Project Name: Project Number: HAT MESA 31-32 NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #8 1' (H201026-06)

BTEX 8021B	mg/kg		Analyzed By: ZZZ					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	<0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	0.547	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	<0.150	0.150	05/11/2012	ND	6.98	116	6.00	7.19	
Surrogate: 4-Bromofluorobenzene (PID	144 9	% 64.4-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	05/07/2012	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	<200	200	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	4180	200	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	1650	200	05/09/2012	ND					
Surrogate: 1-Chlorooctane	97.0	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	315	57.6-15	8						

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Celey & Keens



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

FdX

05/04/2012

Reported: 05/11/2012

Project Name: HAT MESA 31-32
Project Number: NONE GIVEN

Project Location: LEA COUNTY, NM

Sampling Date:

05/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SAMPLE #12 10' (H201026-07)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	<0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	<0.150	0.150	05/11/2012	ND	6.98	116	6.00	7.19	
Surrogate: 4-Bromofluorobenzene (PID	113 9	64.4-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	05/07/2012	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	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	<10.0	10.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	84.7	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	97.5	% 57.6-15	8						

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Celeg & Keena



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Received:

05/04/2012

Reported:

05/11/2012 HAT MESA 31-32

Project Name: Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: BERM MATERIAL (H201026-08)

BTEX 8021B	mg/	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	<0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	<0.150	0.150	05/11/2012	ND	6.98	116	6.00	7.19	
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 64.4-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	05/07/2012	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	<50.0	50.0	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	1190	50.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	553	50.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	87.7	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	118 9	% 57.6-15	8						

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*=Accredited Analyte

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Celey & Keens



Notes and Definitions

5-06	ne 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

Cardinal Laboratories

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Celley & treens



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	Company Name: Basin Environmental Service Technologies,	al Service Techno	ologies, LLC	L	BIL	BILL TO		OPLIANT MODELLA CONTRACTOR	ANALYSIS	IS REQUEST	JEST	Markly Statement (Artificial Contraction)	
Project Manage	Project Manager: Ben J. Arguijo			P.O. #:	#:				_				Γ
Address: P.O. Box 301	. Box 301			Com	Company: BOPCO,	OPCO, LP	_						
City: Lovington	uo	State: NM Zip: 8	88260	Attn:	Tony	Tony Savoie							-
Phone #: (575) 396-2378		Fax #:(575)396-1429	6.0	Addr	ess: 522	Address: 522 w. Mermod				_			
Project #:		Project Owner: BOPCO,	O, LP	City:	City: Carlsbad	30						_	
Project Name:	Project Name: HAT MESA 31.32	1.32		State	State: NM 2	Zip:88220							
Project Location	Project Location: Lee, N.M.			Phon	le #: (432	Phone #: (432) 556-8730							
Sampler Name:	Jody Walters	Λ.		Fax#:	j.:						_		
FOR LAB USE CIVILY			MATRIX		PRESERV.	SAMPLING		5					
Lab I.D.	Sample I.D.	COMP.		UDGE HER	HEB -		MEIOS	Chloride					
17 2010 26	_	-		10	301 >	CZ17 17:00	1	+	-	1	+	+	T
2	C. Sample # 3 3		7		××		X						
(1)	Sample # 4 3		>->		*	53.12 13.10	XX	X					
t N	5 Sample # 5 8	300	~ ~		-	5-3-12 13:15	X	X					
0	1/2 Sample# 8 1		<u></u>		×	5.3.12 13.25	X	V					
1	3 Born maleria	200	*>		XX	5.3.17 14.00	X	XX					
PLE4SE NOTE: Labbin 2	nd Damages, Cardinal's kathlitis and clean	to extreme tremady by any claim are	nima uhather hasad in c	to tot to total	at he under to	The amount had by the plant	-		-	-	1	1	

PLEASE NOTE: Loudely and Damages. Cardinal's labelity and steets's extense remaily for any stem unaign where based in contrast or talk shall be amend page steets for the anywhere and deason and update contrast whitesever was the determinance or steets and the processor of any after completion of the applicable steet shall be based be useful or concessored damages, enclosing should invalid to be seen that Contrast shall be based by being the section of the contrast of the contrast of sections and the section of the contrast of sections to the contrast of sections and the sections and the sections of sections to the contrast of sections and the sections and the sections are determined.

Phone Result:	REMARKS:		Please email results to pm@basinenv.com	men Tagasa Control of	x 1Asavute@bassrcr.com
Date: 5/3/3 Received By.	Time: 7.25	Date: 5/4/12 Received By:	Time one Mayled Miss	5	Cool infact (finithals)
Relinguished By:	May Mind	Relinquished By		Deflygred By: (Circle One)	Sampler - UPS - Bus - Other:

The ardinal cannot accept verbal changes. Please fax written changes to 506,393-2476

Page 10 of 10



May 11, 2012

TONY SAVOIE

BOPCO

P. O. BOX 1019

KERMIT, TX 79745

RE: HAT MESA 31-32

Enclosed are the results of analyses for samples received by the laboratory on 05/07/12 9:20.

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 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.

Celeg & 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



BOPCO TONY SAVOIE P. O. BOX 1019 KERMIT TX, 79745

Fax To:

(432) 687-4722

Received: Reported: 05/07/2012

05/11/2012

HAT MESA 31-32

Project Name: Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/04/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: NORTH EXC E WALL (H201031-01)

Chloride SM4500Cl-B

Analyzed By: HM

Chioride, SM4500CI-B	mg/	kg	Analyze	u by: nm					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	05/07/2012	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	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	13.2	10.0	05/09/2012	ND					

Surrogate: 1-Chlorooctane

74.4 %

55.5-154

Surrogate: 1-Chlorooctadecane

84.5 %

57.6-158

Sample ID: NORTH EXC W WALL (H201031-02)

mg/	kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1550	16.0	05/07/2012	ND	416	104	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	05/09/2012	ND	193	96.5	200	1.03	
<10.0	10.0	05/09/2012	ND	184	92.0	200	3.04	
<10.0	10.0	05/09/2012	ND					
85.4	% 55.5-15	4						
99.5	% 57.6-15	8						
	Result 1550 mg/ Result <10.0 <10.0 <10.0	1550 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 85.4 % 55.5-15	Result Reporting Limit Analyzed 1550 16.0 05/07/2012 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 1550 16.0 05/07/2012 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 1550 16.0 05/07/2012 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 1550 16.0 05/07/2012 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1550 16.0 05/07/2012 ND 416 104 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed By: MS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1550 16.0 05/07/2012 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed By: MS ** Recovery True Value QC RPD <10.0

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Celey & Keins



BOPCO TONY SAVOIE P. O. BOX 1019 KERMIT TX, 79745

Fax To:

(432) 687-4722

Received:

05/07/2012

Reported:

05/11/2012

Project Name:

HAT MESA 31-32

Sampling Type: Soil

Project Number:

NONE GIVEN

Sampling Condition: Sample Received By:

Sampling Date:

Cool & Intact Jodi Henson

05/04/2012

Project Location:

LEA COUNTY, NM

Sample ID: NORTH EXC N WALL (H201031-03)

BTEX 8021B	TEX 8021B mg/kg		Analyze	d By: ZZZ					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	< 0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	0.297	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	0.888	0.150	05/11/2012	ND	6.98	116	6.00	7.19	

Chloride, SM	14500CI-B	mg/	/kg	Analyze	d By: HM					
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride		19600	16.0	05/07/2012	ND	416	104	400	0.00	
TPH 8015M	Andrew Comments	mg/	/kg	Analyze	d By: MS					
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C1	.0	69.8	50.0	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10	-C28	613	50.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >	-C28-C35	140	50.0	05/09/2012	ND					

Surrogate: 1-Chlorooctane 80.4 % 55.5-154 88.1 % 57.6-158 Surrogate: 1-Chlorooctadecane

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Celleg & Freene



BOPCO TONY SAVOIE P. O. BOX 1019 KERMIT TX, 79745

Fax To:

(432) 687-4722

Received:

05/07/2012

Reported:

05/11/2012

Project Name: Project Number: HAT MESA 31-32 NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: NORTH EXC S WALL (H201031-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	05/07/2012	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	05/09/2012	ND	193	96.5	200	1.03	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	184	92.0	200	3.04	
EXT DRO >C28-C35	<10.0	10.0	05/09/2012	ND					

Surrogate: 1-Chlorooctane 86.1 % 55.5-154
Surrogate: 1-Chlorooctadecane 100 % 57.6-158

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BOPCO TONY SAVOIE P. O. BOX 1019 KERMIT TX, 79745

Fax To:

(432) 687-4722

Received: Reported: 05/07/2012

05/11/2012

Project Name:

HAT MESA 31-32 NONE GIVEN

Project Number: Project Location:

LEA COUNTY, NM

Sampling Date:

05/04/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: MIDDLE EXC W WALL (H201031-05)

BTEX 8021B	mg/	kg	Analyze	d By: ZZZ					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2012	ND	1.98	98.9	2.00	1.92	
Toluene*	<0.050	0.050	05/11/2012	ND	2.17	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	05/11/2012	ND	2.19	110	2.00	5.41	
Total Xylenes*	<0.150	0.150	05/11/2012	ND	6.98	116	6.00	7.19	
Surrogate: 4-Bromofluorobenzene (PID	154 9	64.4-13	4						
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	<50.0	50.0	05/09/2012	ND	189	94.3	200	2.57	
DRO >C10-C28	1320	50.0	05/09/2012	ND	180	90.2	200	1.12	
EXT DRO >C28-C35	390	50.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	89.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	140 9	57.6-15	8						

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Celey to Keens



BOPCO TONY SAVOIE P. O. BOX 1019 KERMIT TX, 79745 Fax To: (432) 687-4722

rax i

Received: Reported: 05/07/2012 05/11/2012

Project Name: Project Number: HAT MESA 31-32 NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/04/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: MIDDLE EXC E WALL (H201031-06)

TPH 8015M	mg/k	cg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	05/09/2012	ND	189	94.3	200	2.57	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	180	90.2	200	1.12	
EXT DRO >C28-C35	<10.0	10.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	98.9 %	55.5-15	4						
Surrogate: 1-Chlorooctadecane	117 %	57.6-15	8						

Sample ID: MIDDLE EXC BOTTOM (H201031-07)

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	05/09/2012	ND	189	94.3	200	2.57	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	180	90.2	200	1.12	
EXT DRO >C28-C35	<10.0	10.0	05/09/2012	ND					
Surrogate: 1-Chlorooctane	84.8 %	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	103 %	6 57.6-15	8						

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Celey & Keine



Notes and Definitions

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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Celeg & treens

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

88240	-2476
Z	393
Hobbs,	X (575)
nd,	FAX
Marla	-2326
East	393
101	(575)

Company Name	Sompany Name: Sett O Life					B	BILL TO	0				AN	ANALYSIS		REQUEST	TS				
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withyeas. All chuns including those for negligence and any other cause whatboover shall be deemed valued unless made in writing and indexing those for bediend wither 30 days after companion of the applicable environment of the conference of the includental or conceaserual damages, including without handsness (retingloss, lass of use or took of profits arounded by client, its schedaries

Add'I Phone #;

0 % 0 0 Phone Result: Fax Result: REMARKS: CHECKED BY: Sample Condition
Cool Intact
Cool Intact
No No Regeived By: Received By: Date: Date: Time: Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinquished By: Relinquished By:

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



June 01, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HAT MESA STATE 31-32

Enclosed are the results of analyses for samples received by the laboratory on 05/30/12 11:00.

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 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.

Celeg 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 BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/01/2012

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

HAT MESA STATE 31-32 NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

118%

63.6-154

Sample ID: SB -1 @ 10' (H201212-01)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	05/31/2012	ND	432	108	400	3.77	
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	<50.0	50.0	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	558	50.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	208	50.0	05/30/2012	ND					
Surrogate: 1-Chlorooctane	87.8	% 65.2-14	0						

Sample ID: SB -1 @ 15' (H201212-02)

Surrogate: 1-Chlorooctadecane

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/31/2012	ND	189	94.7	200	0.473	
DRO >C10-C28	643	50.0	05/31/2012	ND	184	92.0	200	3.17	
EXT DRO >C28-C35	246	50.0	05/31/2012	ND					
Surrogate: 1-Chlorooctane	85.8 9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	118 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keens



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

Received:

05/30/2012

Reported:

06/01/2012

Project Name:

HAT MESA STATE 31-32

Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB -1 @ 20' (H201212-03)

BTEX 8021B	mg /	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2012	ND	2.08	104	2.00	5.71	
Toluene*	<0.050	0.050	06/01/2012	ND	1.90	94.9	2.00	4.96	
Ethylbenzene*	<0.050	0.050	06/01/2012	ND	1.80	89.9	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/01/2012	ND	5.47	91.2	6.00	5.00	
Surrogate: 4-Bromofluorobenzene (PID	100	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5100	16.0	05/31/2012	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	05/31/2012	ND	189	94.7	200	0.473	
DRO >C10-C28	536	50.0	05/31/2012	ND	184	92.0	200	3.17	
EXT DRO >C28-C35	224	50.0	05/31/2012	ND					
Surrogate: 1-Chlorooctane	78.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	106 9	63.6-15	4						

Cardinal Laboratories

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Celeg Theena



Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

88240	-2476
Z	393-
Hobbs,	(575)
-	FAX
Marland	-2326
East	393
101 E	(575)

Company Name:	Basin Environmental Service Technologies,	rvice Tec	hno	logi		LIC	_		2	DIFF IC						AN	ANALTOIS		L CHOMPA	SUC	-		
Project Manager	Project Manager: Ben J. Arguijo						P.O.	 #:				H	L	-	_	L	-	H		H	-	T	L
Address: P.O.	P.O. Box 301						ပိ	mpa	ιγ: B	Company: BOPCO,	I.P									_			
City: Lovington	n State:	: NM Zip:		88260			A	n:	Tony	Attn: Tony Savoie	٥												
Phone #: (575) 396-2378		Fax #: (575) 396-14	1429	(3)			Ac	dres	5: 52	Address: 522 W. Mermod	ermod						Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Ow					_	
Project #:	Projec	Project Owner: BOP	DPCC	CO, LP			Ü	y: C	City: Carlsbad	had							-	-					
Project Name:	Har Mesa State 31-32 Battery	trery				-	ţ	State: NM	×	Zip: 88220	1220												
Project Location: Lea Co., NM	Lea Co., NM						P.	one	f. (43	Phone #: (432)556-8730	8730	_					**********			-			
Sampler Name:							TT	Fax#:									,						
FOR LAB USE ONLY			_	Ш	MA	MATRIX		PRE	PRESERV.	SAM	SAMPLING						-			-			
Lab I.D.	Sample I.D.	B OR (C)OMP	ERBUIAT	RETAWDN	Patawa		and the same of the same of the same of	:BSA8	-			14510	11.000	XJIS	10011								
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made in writing and received by Cardinal within 30 days after completion of the applicable sirkes intertiplions. Joss of use, or loss of profits incurred by client, its aubsidianies. analyses. All claims induding those for degilgence and any other cruse whatsoever shall be beemed waived unless mads service, in no event shall Cardhal be liable for incidental or consequental damages, including without limitation, business

Please email results to pm@basinenv.com & TAsavoie@BassPet.com Phone Result: Fax Result: REMARKS: Time: 1819 Delivered By: (Circle One) elinquished By: elinedisped By:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-395.2476

Sampler - UPS - Bus - Other



June 06, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HAT MESA STATE 31-32

Enclosed are the results of analyses for samples received by the laboratory on 05/30/12 11:00.

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 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.

Lope S. Moreno

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,

Hope Moreno

Inorganic Technical Director



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 Fax To:

(575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/06/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: SB - 2 @ 5' (H201209-01)

Chlorida SMASOOCLB

Anabrad But AD

Chioride, SM4500CI-B	mg/	kg	Analyze	d Dy: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/31/2012	ND	432	108	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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	71.8	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	49.7	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane

86.2 %

65.2-140

Surrogate: 1-Chlorooctadecane

101 %

63.6-154

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 whatsoever 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Lope S. Moreno

Hope Moreno, Inorganic Technical Director



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

Sampling Type:

Soil

06/06/2012

Cool & Intact

Project Name:

HAT MESA STATE 31-32

Sampling Condition: Sample Received By:

Jodi Henson

Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sample ID: SB - 2 @ 10' (H201209-02)

BTEX 8021B

Analyzed I	By: Z	ZZ
------------	-------	----

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2012	ND	2.02	101	2.00	0.834	
Toluene*	<0.050	0.050	05/31/2012	ND	1.85	92.3	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/31/2012	ND	1.72	85.9	2.00	0.312	
Total Xylenes*	<0.150	0.150	05/31/2012	ND	5.19	86.6	6.00	0.561	
Surrogate: 4-Bromofluorobenzene (PID	101	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/31/2012	ND	432	108	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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
DI(0 > C10 C20	10.0	10.0	00/00/2022						

Surrogate: 1-Chlorooctane 82.9 % Surrogate: 1-Chlorooctadecane

65.2-140

96.6 %

63.6-154

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 any other cause whatsoever 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 days including, without limitation, business interruptions, loss of use, or 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Alope S. Moreno

Hope Moreno, Inorganic Technical Director

Page 3 of 9



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/06/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number: Project Location:

Surrogate: 1-Chlorooctadecane

NONE GIVEN LEA COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: SB - 2 @ 20' (H201209-03)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

chiorae, shitsooci-b	1119/	~9	randific	a 0 j					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/31/2012	ND	432	108	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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					
Surrogate: 1-Chlorooctane	79.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.2	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients 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 wholsoever 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, diffliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Alope S. Moreno Hope Moreno, Inorganic Technical Director



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

Received:

05/30/2012

Reported:

06/06/2012

Project Name:

HAT MESA STATE 31-32

Project Number: Project Location: NONE GIVEN LEA COUNTY, NM Sampling Date:

05/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB - 2 @ 30' (H201209-04)

BTEX 8021B

ma/ka

Analyzed By: 777

DIEX GOLLD	mg/	9	Ameny Lo	a by. LLL					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2012	ND	2.02	101	2.00	0.834	
Toluene*	<0.050	0.050	05/31/2012	ND	1.85	92.3	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/31/2012	ND	1.72	85.9	2.00	0.312	
Total Xylenes*	<0.150	0.150	05/31/2012	ND	5.19	86.6	6.00	0.561	

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	06/06/2012	ND	416	104	400	3.77	
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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane 82.4 % 65.2-140 96.3 % Surrogate: 1-Chlorooctadecane 63.6-154

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 any other cause whatsoever 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 de 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 claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples Identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Alope S. Moreno

Hope Moreno, Inorganic Technical Director



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

06/06/2012 Reported:

HAT MESA STATE 31-32 Project Name:

05/30/2012

NONE GIVEN

Project Number:

Received:

LEA COUNTY, NM Project Location:

Sampling Date:

Sampling Type: Soil

Sampling Condition:

Cool & Intact

05/25/2012

Sample Received By: Jodi Henson

Sample ID: SB - 2 @ 40' (H201209-05)

Chloride, SM4500CI-B	mg /	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	05/31/2012	ND	432	108	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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Annhand Day AD

65.2-140 Surrogate: 1-Chlorooctane 78.7% 63.6-154 86.6 % Surrogate: 1-Chlorooctadecane

Sample ID: SB - 2 @ 55' (H201209-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/31/2012	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Alope S. Moreno



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/06/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: SB - 2 @ 60' (H201209-07)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2012	ND	2.02	101	2.00	0.834	
Toluene*	<0.050	0.050	05/31/2012	ND	1.85	92.3	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/31/2012	ND	1.72	85.9	2.00	0.312	
Total Xylenes*	<0.150	0.150	05/31/2012	ND	5.19	86.6	6.00	0.561	

Surrogate: 4-Bromofluorobenzene (PID

101 %

89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/31/2012	ND	432	108	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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane

83.8 %

65.2-140

Surrogate: 1-Chlorooctadecane

97.0 %

63.6-154

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 whatsoever shall be deemed walved 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 date 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 claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Lope S. Moreno

Hope Moreno, Inorganic Technical Director

Page 7 of 9



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

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 whotsoever 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 subcidiaries, 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laboratories.

Lope S. Moreno

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Company Name: Basin Environmental Service Technologies,	re Technologies, LLC	8	BILL TO	The second second			AN	ANALYSIS	REGUEST	ESI		
Project Manage	Project Manager: Ben J. Arguijo		P.O. #:			-				-		_	
Address: P.O. Box 301	Box 301		Company: BOPCO,	BOPCO, LP									
City: Lovington	on State: NM	M Zip: 88250	Attn: Ton	Tony Savole									
Phone #: (575)396-2378		Fax #: (575) 396-1429	Address: 5	Address: 522 W. Mermod	po								
Project #:	Project Owner: BOPC	mer: BOPCO, LP	City: Carlsbad	spad									
Project Name:	Har Mesa State 31-32 Battery	ry	State: NM	Zip: 88220	0								
Project Location	Project Location: Lea Co., NM		Phone #: (4	Phone #: (432) 556-873	3.0								
Sampler Name:			Fax#:										
FOR LAB USE CNLY		MATRIX	PRESERV	V. SAMPLING	NG PI	1	0)						
Lab I.D. 17201209	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS WASTEWATER SOIL OIL	ICE / COOL	THER:	TIME	15108	¥319						
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analyses. All dains including those for negligence and any other cause whatsoever shall be deemed waived unless made in withing and received by Cardinal within 10 days after completion of the applicable service. In no evert, shall Cardinal be liable for inclidental or consequental damages, including without limitation, business inferruptions, loss of use, or loss of profits incurred by client, its subsidiantes.

Phone Result: Fax Result: REMARKS:

Relinquished By:

Relinquished By:

Relinquished By:

Time: 8/5

Time: 8/5

Time: 8/5

Time: 9/5

T

CHECKED BY:

Please email results to pm@basinenv.com & 'TAsavoie@BassPet.com

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



June 01, 2012

BEN J. ARGUIJO
Basin Environmental Service
P.O. Box 301

Lovington, NM 88260

RE: HAT MESA STATE 31-32

Enclosed are the results of analyses for samples received by the laboratory on 05/30/12 11:00.

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 accredited certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic / Method EPA 524.2 Total Trihal

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.

Celeg & 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 BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/01/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: SB - 3 @ 5' (H201210-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	05/31/2012	ND	432	108	400	3.77	
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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					
Surrogate: 1-Chlorooctane	83.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.8	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keens



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

Received:

05/30/2012

Reported:

06/01/2012

Project Name:

HAT MESA STATE 31-32

Project Number: Project Location: NONE GIVEN LEA COUNTY, NM Sampling Date:

05/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB - 3 @ 10' (H201210-02)

BTEX 8021B	mg ,	/kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2012	ND	2.02	101	2.00	0.834	
Toluene*	<0.050	0.050	05/31/2012	ND	1.85	92.3	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/31/2012	ND	1.72	85.9	2.00	0.312	
Total Xylenes*	<0.150	0.150	05/31/2012	ND	5.19	86.6	6.00	0.561	

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	05/31/2012	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS				1 75	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane

84.5 %

65.2-140

Surrogate: 1-Chlorooctadecane

95.8 %

63.6-154

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Celeg & Keens

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 7



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Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/01/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: SB - 3 @ 20' (H201210-03)

Chloride, SM4500Cl-B

ma /k

Analyzed By: AP

9	, mg	Allaryzo	a by ra					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
496	16.0	05/31/2012	ND	432	108	400	3.77	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	05/30/2012	ND	186	93.0	200	0.907	
<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
<10.0	10.0	05/30/2012	ND					
	Result 496 mg, Result <10.0 <10.0	### Application ### Applicat	Result Reporting Limit Analyzed 496 16.0 05/31/2012 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 496 16.0 05/31/2012 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 496 16.0 05/31/2012 ND 432 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 496 16.0 05/31/2012 ND 432 108 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 496 16.0 05/31/2012 ND 432 108 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 496 16.0 05/31/2012 ND 432 108 400 3.77 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Surrogate: 1-Chlorooctane

86.5 %

65.2-140

Surrogate: 1-Chlorooctadecane

100 %

63.6-154

Sample ID: SB - 3 @ 30' (H201210-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/31/2012	ND	432	108	400	3.77	

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Celey & Keine



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Received:

05/30/2012

Reported:

06/01/2012

Project Name:

HAT MESA STATE 31-32

Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sampling Date:

05/25/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB - 3 @ 35' (H201210-05)

BTEX 8021B	mg /	kg	Analyze	d By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2012	ND	2.02	101	2.00	0.834	
Toluene*	<0.050	0.050	05/31/2012	ND	1.85	92.3	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/31/2012	ND	1.72	85.9	2.00	0.312	
Total Xylenes*	<0.150	0.150	05/31/2012	ND	5.19	86.6	6.00	0.561	
Surrogate: 4-Bromofluorobenzene (PID	100	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/31/2012	ND	432	108	400	3.77	
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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					
Surrogate: 1-Chlorooctane	82.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.5	% 63.6-15	4						

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Celeg Theena



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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keena

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Company Name: Basin Environmental Service	Service Technologies, LLC	B	BILL TO				ANA	ANALYSIS	REQUEST	T	
Project Manager	Project Manager: Ben J. Arguijo		P.O. #:			_						
Address: p.o	Box 301		Company: BOPCO,	BOPCO, LP								
City: Lovington		State: NM Zip: 88260	Attn: Tony	Tony Savoie								
Phone #: (575) 396-2378	The state of the s	Fax #:(575)396-1429	Address: 52	Address: 522 W. Mermod								
Project #:	Proj	Project Owner: BOPCO, LP	City: Carlsbad	bad								
Project Name:	Har Mesa State 31-32	31-32 Bartery	State: NM	Zip: 88220								
Project Location	Project Location: Lea Co., NM		Phone #: (4	Phone #: (432) 556-8730								
Sampler Name:			Fax#:									
FOR LAB USE CNLY		MATRIX	PRESERV	SAMPLING					_			
Lab I.D. H2012:0	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER OTHER	DATE	TIME	US/08	VI18					
	513-3851	X	×	5/25/2	1330	×						
7	518-3810'				3801	×	X					
N	SB 3 0 30				3481	×	×					
2	513.360 30				1355		×	+	and the state of t			
77	565-5 [4] 35	3		>	1300	~	X					
						1	-		1			
								-				
						-						

PLEABE NOTE: Listoley and Damages: Credition's hazing and clear's ecolosie reneally for any clear avising whether based in confrast of this shall be lambed to the amount paid by the clause analyses. All claims unbuilding those for negligence and analysee and authorises and avising and received by Cambral within 30 tary after compaction of the applicable or several shall cledieab be label for included or consequents damages, incuding without business unbuildings of the processor and of prefix incurred by plent, its subsidiaries, affailts or supersor a stress of the above stated results or otherwise.

ON D	Fax Result;	REMARKS:		Please email results to pumbasinenv com		
Date: / / Received/By:	111 1111 1 1116/5	Time: 815 // Mad/	Date: 30.12 Received By:	Stime No Wall Sections	Sample Condition CHECKED BY:	12 COO THESE VAN
Relinquished By:			Religious and By:	Month Munt	Delivered By: (Circle One)	Sampler · UPS - Bus - Other:

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

Page 7 of 7



June 06, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HAT MESA STATE 31-32

Enclosed are the results of analyses for samples received by the laboratory on 05/30/12 11:00.

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 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.

Lope S. Moreno

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,

Hope Moreno

Inorganic Technical Director



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

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/06/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LEA COUNTY, NM

Sample ID: SB - 4 @ 5' (H201211-01)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/06/2012	ND	416	104	400	3.77	
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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					
Surrogate: 1-Chlorooctane	81.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.9	% 63.6-15	4						

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Lope S. Moreno



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To:

(575) 396-1429

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/06/2012

Sampling Type:

Soil Cool & Intact

Project Name:

HAT MESA STATE 31-32

Sampling Condition: Sample Received By:

Jodi Henson

Project Number:

NONE GIVEN

Project Location:

LEA COUNTY, NM

Sample ID: SB - 4 @ 10' (H201211-02)

BTEX 8021B	mg	/kg	Analyze	d By: ZZZ			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC
D*	40.050	0.050	05/24/2042	ND	202	101	2.00

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2012	ND	2.02	101	2.00	0.834	
Toluene*	<0.050	0.050	05/31/2012	ND	1.85	92.3	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/31/2012	ND	1.72	85.9	2.00	0.312	
Total Xylenes*	<0.150	0.150	05/31/2012	ND	5.19	86.6	6.00	0.561	

Surrogate: 4-Bromofluorobenzene (PID

101 %

89.4-126

Chloride, SM4500CI-B	mg/kg		Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/31/2012	ND	432	108	400	3.77	
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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane 90.3 % 65.2-140 Surrogate: 1-Chlorooctadecane 96.8 % 63.6-154

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Lope S. Moreno

Hope Moreno, Inorganic Technical Director

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

Received:

05/30/2012

Sampling Date:

05/25/2012

Reported:

06/06/2012

Sampling Type:

Soil

Project Name:

HAT MESA STATE 31-32

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

LEA COUNTY, NM

Sample ID: SB - 4 @ 25' (H201211-03)

CLI--II- CMAFOOGI B

Chloride, SM4500CI-B		kg	Analyze	а ву: нм					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/31/2012	ND	432	108	400	3.77	
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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane

85.4 %

65.2-140

Surrogate: 1-Chlorooctadecane

97.0%

63.6-154

Sample ID: SB - 4 @ 40' (H201211-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/31/2012	ND	432	108	400	3.77	

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Alope S. Moreno

Hope Moreno, Inorganic Technical Director



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 (575) 396-1429

Fax To:

Received:

05/30/2012

Reported:

06/06/2012

Project Name: Project Number: HAT MESA STATE 31-32

Project Location:

NONE GIVEN LEA COUNTY, NM

99.3 %

89.4-126

Sampling Date:

05/25/2012

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SB - 4 @ 45' (H201211-05)

BTEX 8021B	

Surrogate: 4-Bromofluorobenzene (PID

BIEX 8021B	mg/	кд	Anaiyze	d by: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2012	ND	2.08	104	2.00	5.71	
Toluene*	<0.050	0.050	06/01/2012	ND	1.90	94.9	2.00	4.96	
Ethylbenzene*	<0.050	0.050	06/01/2012	ND	1.80	89.9	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/01/2012	ND	5.47	91.2	6.00	5.00	

Anahmad Day 777

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/31/2012	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GPO C6-C10	<10.0	10.0	05/30/2012	ND	186	93.0	200	0.907	

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	05/30/2012	ND	186	93.0	200	0.907	
DRO >C10-C28	<10.0	10.0	05/30/2012	ND	188	93.9	200	1.52	
EXT DRO >C28-C35	<10.0	10.0	05/30/2012	ND					

Surrogate: 1-Chlorooctane 86.9 % 65.2-140 Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

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Lope S. Moreno

Hope Moreno, Inorganic Technical Director



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

Cardinal Laboratories *=Accredited Analyte

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Lope S. Moreno

Page 7 of 7

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

88240	393-2476
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Hobbs,	(575)
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Address: P.O. Box 301	Box 301						J	mo	bany	Company: BOPCO,	CO, LP	Q.			_			-								
City: Lovington	State: NM	1	Zip: 88260	260			d	ttu:	TC	S YES	Attn: Tony Savoie															-
Phone #: (575)396-2378		Fax #: (575) 396-1429	1429				q	ddr	ess:	Address: 522 W.	W. Mez	Mermod														
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Project Location	Project Location: Lea Co., NM						0.	hon	e #:	(432)	Phone #: (432) 556-8730	730														-
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† Cardinal cannot accept verbal changes. Please fax written changes to 505,393,2476



June 18, 2012

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: HAT MESA STATE 31-32

Enclosed are the results of analyses for samples received by the laboratory on 06/13/12 11:30.

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 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.

Celeg & 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 BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received: Reported: 06/13/2012

06/18/2012

Project Name: Project Number: HAT MESA STATE 31-32

Project Location:

NONE GIVEN LEA COUNTY, NM Sampling Date:

Sampling Type:

05/25/2012

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SB - 2 @ 45' (H201331-01)

Chloride, SM4500Cl-B

ma/ka

Analyzed By: AP

	31	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	06/18/2012	ND	432	108	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keens



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

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Celeg to treens

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	· Basin Environmental Service	ce Technologies, LLC	BILL TO	ANALYSIS RE	REQUEST
Project Manager:	"Ben J. Arguijo		P.O. #:		
Address: P.O.	Box 301		Company: BOPCO, LP	Anna anna anna anna anna anna anna anna	
City: Lovington	State:	NM Zip: 88260	Attn: Tony Savoie		
Phone #: (575) 396-2378	396-2378 Fax#:(575)396-	5)396-1429	Address: 522 W. Mermod	po	
Project #:	Project Ov	Project Owner: BOPCO. LP	City: Carlebad		
Project Name:	Hat Mesa State 31-32 Battery	ry	State: NM Zip: 88220		
Project Location:	1: Lea Co., NM		Phone #: (432) 556-873	0	
Sampler Name:	Sen 5. How; 10		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	<u>o</u>	
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP CONTAINERS WESTEWATER SOIL SOIL	OTHER:	2/1/9/4/) W	
	38-3 BUS!	S ×	\ \ \ \ \ \	1655 1	
PLEASE NOTE: Liability an analyses All claims includin service, in no event shall Ca affidiates or successors arrest	PLEASE NOTE: Labsky and Damages. Cardinal's habity, and client's exdusive remedy for any card arising whether based in contract or for for the amount paid by the elemfor the analyses. All claims including those for neighbors and any other cardinal with all objects after completed or the applicable service in ne evert shall cardinal ask the modernal damages, including without his therefore, isse of use, or loss of profits incurred by chemical services are required to the profit of the profit of the profit or related to the performance of services are required to the performance of services are required.	edy for any claim ansking whether based in contract or room shall be deemed walived unless made in withing and results and undering without finite business interruptions, loss of der by Cardina, regardless of whether such claim at base.	contract or for, shall be limited to the amount paid by himming and resalved by Codmia within 10 days after of ruptions, loss of use, or loss of pricits in curred by their cities mist based out or any of the above stated responding to claim.	the amount paut by the dient for the hand and a dient dient by the format of the hand and a dient for the hand and a dient for the hand a di	
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Delivered By: (Circle One) Sampler - UPS - Bus - Other	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Cool Intact Cool Intact No No No	tion CHECKED BY: (Initials) es	F.gence what feather to purchasing	

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