RECEIVED

By OCD District 1 at 11:16 am, Jun 23, 2015 ntal Service Technologies, LLC

APPROVED Conditional

Environmental Site Summary & Spill Remediation Plan



By OCD District 1 at 11:16 am, Jun 23, 2015

1. Ensure BLM approval/concurrence.

Company: J&J Service, Inc.	Address: 8428 W. Sumruld Rd.,	Lovington,	<u>NM 88260</u> Tele	phone #: <u>(</u>	575)369-9230
Site Name: Jones 34 Federal #1 Battery	NMOCD	Reference	: 1RP-3636		
Surface Owner: R.B. Jones	Mineral Owner: U.S.	. Bureau of I	_and Manageme	nt	
Unit Letter: "N" (SE/SW) Section: 34 Town	nship: 148 Range: 35E County: Le	eaGPS	Coordinates: 33	.055491 N _	-103.396796_ v
Depth to Ground Water: ≈ 50'	Distance to Surface Water Boo	dy: □<200	'	o'	•
Wellhead Protection Area: <1,000' from	Water Source or <200' from Domes	tic Water S	ource? □Y 🔽	N	
NMOCD Ranking Score: 20 Soil Remed	diation Levels (mg/kg): Benzene: 10	D BTEX: 50	TPH: × 100	Chloride: [×100
			□ 1,000	_	500
			5,000	_	1,000
Date/Time of Release: 2/20/15, Time Unknow	wn Type of Release: Crude Oil	Approxi	mate Volume of	f Release:	196 bbls
Background Information:					
During a routine site visit on February Federal #1 Battery. A bull plug from a suspected. Approximately one hundre activities, the roll line valve was closed approximately forty barrels (40 bbls) obbls). The release impacted approximand the adjacent pastureland.	2" roll line was found on the ground ed ninety-six barrels (196 bbls) of d, and the bull plug was replaced of free-standing liquid, resulting in	ind next to crude oil w . Vacuum t a net loss	an on-site stor vere released. I rucks were utili of one hundred	age tank. V During initia zed to reco d fifty-six ba	andalism is al response over arrels (156
The release was reported to the New 2015, and to the United States Depart on June 1, 2015. The NMOCD "Relea and the BLM "Major Undesirable Ever provided as Attachment #3. General p	tment of the Interior - Bureau of L ase Notification & Corrective Actio nt Reporting Format" (MUE) is pro	and Manag n" (Form C ovided as <i>F</i>	gement's (BLM) C-141) is provid Attachment #2.) Carlsbad ed as Attac A "Site Loc	Field Office chment #1,
Initial response and excavation activit Environmental Service Technologies, May 12, 2015.					

Summary of Field Activities:

Following a preliminary site visit on May 12, 2015, Basin Environmental commenced delineation activities at the site on May 18, 2015. A series of nine (9) test trenches (TT-1 through TT-9) were advanced in the excavated area to the hard rock layer running underneath the site, which varies in depth from approximately five (5) to seven feet (7') below ground surface (bgs). The delineation trenches were spaced approximately twenty-five feet (25') apart and were advanced at approximate one-foot (1') vertical intervals. Soil samples were field-screened with a photo-ionization detector (PID), and representative confirmation samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), total petroleum hydrocarbons (TPH), and/or chloride concentrations using Environmental Protection Agency (EPA) Methods SW 846-8021b, SW 846-8015M, and 4500 CI-B, respectively. PID readings and olfactory/visual senses indicated additional vertical delineation was required in the area represented by trench TT-9.

On May 19, 2015, three (3) hand-augered soil borings (HA-1 through HA-3) were advanced to investigate the vertical extent of impacted soil inside the tank battery. The soil borings were advanced in six-inch (6") vertical intervals to total depths ranging from approximately three feet (3') bgs in HA-3 to four feet (4') bgs in HA-1 and HA-2. Soil samples were field-screened with a PID, and representative confirmation samples were submitted to the laboratory for analysis of TPH, BTEX, and/or chloride concentrations.

On May 26, 2015, a series of seven (7) test trenches (TT-10 through TT-16) were advanced along the flowpaths of the release to further investigate the horizontal and vertical extent of impacted soil. The trenches were advanced in

Basin Environmental Service Technologies, LLC



Environmental Site Summary & Spill Remediation Plan

Summary of Field Activities (cont.)

one-foot (1') to two-foot (2') vertical intervals to total depths ranging from approximately four (4) to ten feet (10') bgs. Trench TT-9 was also reentered and advanced an additional twelve feet (12') to a total depth of approximately eighteen feet (18') bgs. Soil samples were field-screened with a PID, and representative confirmation samples were submitted to the laboratory for analysis of TPH, BTEX, and/or chloride concentrations.

Locations of the test trenches and hand-augered soil borings are depicted in Attachment #4, "Site & Sample Location Map". Laboratory analytical and field-test results are summarized in attachments #5 and #6, respectively, and analytical reports are provided in Attachment #8.

Proposed Activities:

- Laboratory analytical results indicate vertical delineation was not achieved in trenches TT-5, TT-7, TT-14, and TT-15 and hand-augered soil borings HA-1 through HA-3. The delineation trenches will be re-entered with a trackhoe and advanced at one (1) to two-foot (2') vertical intervals until PID field readings suggest contaminants of concern are below NMOCD regulatory standards (or to the extent practicable). A representative selection of soil samples will be submitted to the laboratory for confirmatory analyses of BTEX, TPH, and/or chloride concentrations using the EPA laboratory analytical methods described above.
- If vertical delineation cannot be achieved via trenching, upon completion of excavation activities, a drilling rig will be employed to advance one (1) soil boring (PSB-1) midway between the areas represented by trenches TT-5 and TT-7. A second soil boring (PSB-2) will be advanced inside the fenced-in area surrounding the tank battery, midway between the areas represented by hand-augered soil borings HA-1 and HA-2. Should it be determined that groundwater has been impacted, soil boring PSB-1 will be converted to a four-inch (4") monitor well (PMW-1) to facilitate any necessary groundwater remediation activities. Three (3) two-inch (2") diameter monitor wells will be installed approximately one hundred feet (100') up-, down-, and cross-gradient of PMW-1 to evaluate the extent of the dissolved-phase plume.
- The primary excavation will be advanced vertically to the hard rock layer running underneath the site, which is commonly encountered between approximately five (5) and seven feet (7') bgs. To preserve the structural integrity of the on-site storage tanks, excavation inside the fenced-in area around the tank battery will be limited to total depths of approximately six inches (6") to one foot (1') bgs. The excavation in the primary pooling area of the release will be advanced horizontally to the areas represented by delineation trenches TT-1, TT-2, TT-4, TT-6, TT-8, and TT-10. The western extent of the excavation will be limited by the presence of the tank battery and associated pipes, appurtenances, and power lines. The horizontal limits of the excavation(s) along the flow paths of the release will be determined by field-screening and/or utilizing visual/olfactory senses. Soil samples will be collected at approximate ten-foot (10') horizontal intervals from the floors and sidewalls of the excavations and field-screened with a PID. Confirmation soil samples will be collected at approximate twenty-five-foot (25') horizontal intervals and submitted to the laboratory for analysis of BTEX, TPH, and/or chloride concentrations.
- Excavated soil will be stockpiled on-site on six (6) mil polyethylene plastic, pending transfer to an NMOCD-permitted facility for disposal.
- The floor of the excavation(s) will be fitted with a twenty (20) mil, impermeable, polyethylene liner. A cushion of sand will be installed approximately six inches (6") both above and below the liner to protect it during installation and backfilling activities. This engineered control will serve to inhibit vertical migration of contaminants both upward to the vegetative zone and downward to the underlying groundwater. A section of eight-inch (8") PVC conduit will be installed to facilitate advancement of soil boring PSB-1 through the liner at a later date, should it be required. The riser will be fitted with a chemically welded, forty (40) mil boot to preserve the integrity and impermeability of the liner. Following liner installation, the excavation will be backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the surrounding topography.
- Following the proposed remediation activities, an earthen containment berm will be installed around the Jones 34 Federal #1 Tank Battery to mitigate potential releases. The disturbed area in the adjacent pasture will be seeded with a seed mix acceptable to the landowner.

Basin Environmental Service Technologies, LLC



Environmental Site Summary & Spill Remediation Plan

Proposed Soil Boring/Monitor Well Locations: 33.055475 -103.396393 Ν 33.055509 -103.396443 33.055621 -103.396711 Ν W 33.055474 -103.396067 Ν W 33.055279 -103.396067

Name/Description:
PSB-1/PMW-1
PSB-2
PMW-2
PMW-3
PMW-4

Attachments:

Attachment #1: Release Notification & Corrective Action (Form C-141)
Attachment #2: Major Undesirable Event (MUE) Reporting Format

Attachment #3: Site Location Map

Attachment #4: Site & Sample Location Map

Attachment #5: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

Attachment #6: Field-Test Results
Attachment #7: Photographs

Attachment #8: Laboratory Analytical Results

6/11/2015

Ben J. Arguijo Project Manager

Attachment #1 Release Notification & Corrective Action (Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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**

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

· · · · · · · · · · · · · · · · · · ·			Rele	ease Notific	ation	n and Co	rrective A	ction				
						OPERA?			✓ Initia	al Report		Final Report
Name of Co				NA 0000			erry Carlisle	0000				
Facility Nar				ton, NM 88260 terv			No.: (575)369- e: Explorator		duction			
Surface Ow		R.B. Jor		Mineral O					API No	20	025	20022
Surface Ow	iici.	K.B. Jul	ies		_		Federal		API NO	. 30	<u> </u>	-29832
Unit Letter	Section	T1'	<u> </u>			N OF REI		l <u>a .a.</u>				
"N" (SE/SW)	34	Township 14S	Range 35E	Feet from the 720		/South Line North	Feet from the 465	1	est Line	County		Lea
14 (32344)	34	143	335	720		NOTUT	400		ast ———			
			La	titude <u>33.055</u>	5491°	Longitud	le <u>-103.39679</u>	6°_				
<u> </u>				NAT	URE	OF REL						
Type of Relea			Crude	oil		Volume of	Release 196 bbls		Volume R	lecovered 40 b	bls	
Source of Re	ease	Rull P	lua on 2	" Roll Line	-		lour of Occurrenc			Hour of Dis	•	,
W1							5, Time Unkno	wn		2/20/15, 1	9:30	
Was Immedia	ite Notice C		Yes 🔽	No 🔲 Not Re	quired	If YES, To	Whom?					
By Whom?						Date and H	lour					
Was a Watero	ourse Read	hed?				If YES, Vo	lume Impacting t	he Water	rcouncin	25 O C D		
			Yes 🔽	·			, ,		11001	33000		
If a Watercou	rse was Im	pacted, Descri	ibe Fully.*						MAY 1	5 2015		
Describe Cau	se of Proble	em and Reme	dial Action	Dunng			sit, a bull plug f					
							ge tank. Vanda Ink was valved					
						e storage te	ink was valved	. O., a.		prag wa	о пор	
Describe Area	Affected a	and Cleanup A	Action Tak	en.* The releas	e imp	acted appro	eximately 9,40	0 sq.ft.	of the ta	nk battery	pad	and the
							rucks were uti					
				anected a	rea Wii	ıı be remedi	ated in accord	ance w	VITIN NIMO	CD guiae	iines.	·
I hereby certi	y that the i	nformation gi	ven above	is true and compl	ete to ti	he best of my	knowledge and u	nderstan	d that purs	uant to NM	OCD r	ules and
regulations al	operators	are required to	report an	d/or file certain re e of a C-141 repo	elease n	otifications ar	nd perform correc	tive actio	ons for rele	ases which	may e	ndanger Clickilin
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	e contaminati	on that pose a thre	eat to gro	ound water	, surface wa	ter, hu	ıman health
				tance of a C-141	report d	loes not reliev	e the operator of a	responsil	bility for co	ompliance w	ith an	y other
roccial, state,	federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION											
Signature:	///										_	
Printed Name	. Ben J.	Arguijo (age	ent of J&	J Service, Inc	:.)	Approved by	Environmental S _I	pecialist:	:			
Title: Proje	ct Manag	er, Basin E	invironm	ental		Approval Dat	e:	E	xpiration l	Date:		
E-mail Addre	ss: bjarg	uijo@basin	env.com			Conditions of						
Date: 5/14/	2015		Phone:	(575)396-237	78			Attached				

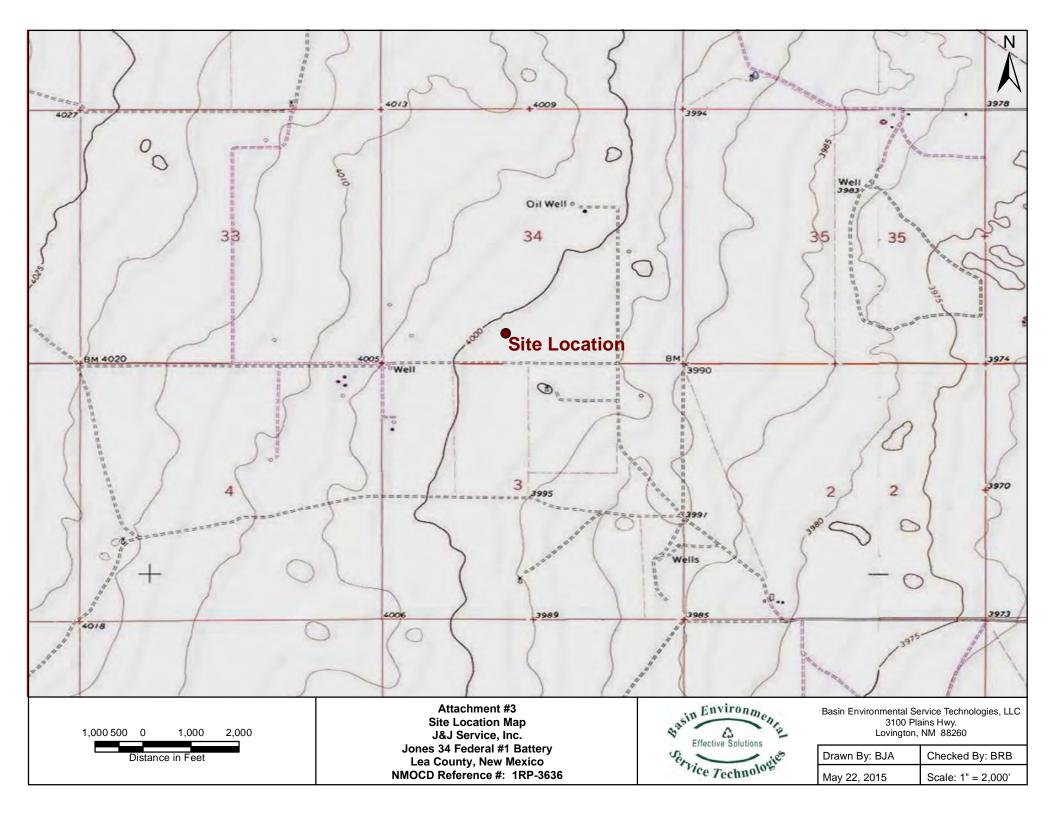
Attachment #2 Major Undesirable Event (MUE) Reporting Format

BUREAU OF LAND MANAGEMENT WO MAJOR UNDESIRABLE EVENT (MUE) REPORTING FORMAT

BLM Office Reporting:	BLM - C	arlsbad, NM, Fi	eld Office							
BLM Employee: Jeffre	y Roberts	on								
Company Official Repo	orting to l	BLM: Ben J. Arg	uijo (Basin	Environme	ental, as agent of	J&J Service, Inc.)				
Operator: J&J Service, I	nc. (Jerry	Carlisle, Owner								
Date/Time of Occurrence	ce: 2/20/2	015, Time Unknow				6/1/2015, 12:10PM				
Field/Unit Name: Rural	Lea County	, NM	Lease	Number	r: API #30-025-2	9832				
State: NM County:	Lea	Twn	: 14S	Rng: 3	5E Sec: 3	4 Qtr: SE/SW				
Surface Ownership: (cir	cle one)	Federal	India	n	State	FEE!				
Type of Event: (circle o	ne)	Oil Spill	Oil/W	/ater	Gas Ventin	g Toxic Fluid				
			Spill			Spill				
		Saltwater	Other	Spill	Blowout	Fire				
		Spill	(Spec	ify)						
		Injury	Fatali	ty	Property	Explosion				
					Damage					
Nature and Cause of Ev	Lovir	ng a routine site ngton, NM, a bul non-site storage	l plug troi	m a 2" rol	l line was tound	Battery near d on the ground next				
	to ur	on one clorage	tariit. Vai	ndanom k	o cuopociou.					
Environmental Impact:	Grass at	nd soil in the adj	acent nas	stureland	were affected					
	Oraco ai	ia con in the aaj	acont pac	otal olaria	word undoted.					
Time Required to Contr	ol Event	(Hours):	Unkn	own						
Volumes Discharged or	Consum	ied:	196 b	bls of cru	de oil					
Volumes Recovered:					de oil (net loss					
Action Taken to Contro	l Event:	During initial res the bull plug was	ponse ac replaced	tivities, th	e storage tank	was valved off, and				
	cent pasti	ure.								
Clean-Up Procedures: \	/acuum tr vill be rem	rucks were utilize ediated in accor	ed to reco	over free- th NMOC	standing liquid. D guidelines.	The affected area				
Cause/Extent of Person	al Injury:	No injuries of	personne	l, livestoc	k, or wildlife oc	ccurred.				
Agency Notification	Age	ncy Name	Co	ontact Na	ime	Date/Time				
List:	NMOCD - H	Hobbs District Office	k	Kellie Jon	es	5/15/2015, 1530				
Federal/State/Local): NMOCD - Hobbs District Office Kellie Jones 5/15/2015, 1530 BLM Jeffery Robertson 6/1/2015, 12:10PM										
P omorker to		-A' 'A'				A Death Follows				

Remarks: Initial response and excavation activities were conducted by a contractor no longer affiliated with the site. Basin Environmental Service Technologies, LLC, was contracted to assume remediation activities on 5/12/2015. Delineation trenches and hand-augered soil borings were advanced on 5/18, 5/19, and 5/26/2015 to assess the horizontal and vertical extent of impacted soil. Upon receipt of laboratory analytical results, a "Spill Remediation Proposal" will be sent to the BLM Carlsbad District Office and NMOCD Hobbs Field Office for review and approval prior to commencement of remediation activities.

Basin Environmental





ATTACHMENT #5 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

				M	ETHOD: EP	A SW 846-8	3021B, 5030)	ME	THOD: 80	15M		4500 CI-B
SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE DATE	SOIL STATUS		TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TOTAL BTEX	GRO C ₆ -C ₁₂	DRO C ₁₂ -C ₂₈	ORO C ₂₈ -C ₃₅	TPH C ₆ -C ₃₅	CHLORIDE
	(BGS)			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
TT-1 @ 1'	1'	5/18/2015	Excavated	-	-	-	-	-	<10.0	37.5	<10.0	37.5	<16.0
TT-1 @ 6'	6'	5/18/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-2 @ 2'	2'	5/18/2015	Excavated	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
TT-3 @ 2'	2'	5/18/2015	Excavated	< 0.500	5.63	3.37	29.8	38.8	984	5,800	776	7,560	<16.0
TT-3 @ 4'	4'	5/18/2015	In-Situ	-	-	-	1	-	<10.0	<10.0	<10.0	<10.0	-
TT-3 @ 6'	6'	5/18/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-4 @ 1'	1'	5/18/2015	Excavated	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
TT-4 @ 4'	4'	5/18/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-5 @ 2'	2'	5/18/2015	Excavated	-	-	-	-	-	<10.0	231	144	375	-
TT-5 @ 4'	4'	5/18/2015	In-Situ	-	-	-	-	-	<10.0	720	204	924	-
TT-5 @ 5'	5'	5/18/2015	In-Situ	<0.100	<0.100	0.684	2.74	3.43	300	4,030	724	5,054	-
TT-6 @ 1'	1'	5/18/2015	Excavated	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
TT-6 @ 3'	3'	5/18/2015	Excavated	-	-	-	-	-	<10.0	69.1	48.3	117	16.0
TT-6 @ 7'	7'	5/18/2015	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-7 @ 2'	2'	5/18/2015	Excavated	<0.200	1.94	7.25	27.2	36.4	402	2,420	408	3,230	<16.0
TT-7 @ 5'	5'	5/18/2015	In-Situ	-	-	-	-	-	<10.0	59.3	<10.0	59.3	-
TT-7 @ 6'	6'	5/18/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	74.4	10.0	84.4	-
TT-8 @ 1'	1'	5/18/2015	Excavated	-	-	-	-	-	<10.0	22.2	<10.0	22.2	<16.0
TT-8 @ 5'	5'	5/18/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-9 @ 2'	2'	5/18/2015	Excavated	< 0.050	0.266	0.726	4.44	5.43	88.6	480	62.8	631	-
TT-9 @ 6'	6'	5/18/2015	In-Situ	-	-	-	-	-	<10.0	23.4	<10.0	23.4	-
TT-9 @ 16'	16'	5/26/2015	In-Situ	-	-	-	-	-	<10.0	<10.0	<10.0	<10.0	-
TT-9 @ 18'	18'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-10 @ 4'	4'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	16.0
TT-11 @ 2'	2'	5/26/2015	Excavated	-	-	-	-	-	27.0	179	17.4	223	-
TT-11 @ 6'	6'	5/26/2015	In-Situ	-	-	-	-	-	345	728	43.0	1,116	32.0
TT-11 @ 10'	10'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	-
TT-12 @ 2'	2'	5/26/2015	In-Situ	-	-	-	-	-	<10.0	20.8	<10.0	20.8	-
TT-12 @ 6'	6'	5/26/2015	In-Situ	-	-	-	-	-	147	961	141	1,249	80.0
TT-12 @ 8'	8'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	12.7	<10.0	12.7	-
TT-13 @ 2'	2'	5/26/2015	In-Situ	-	-	-	-	-	59.0	686	99.0	844	<16.0
TT-13 @ 8'	8'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<16.0
TT-14 @ 2'	2'	5/26/2015	In-Situ	-	-	-	-	-	514	2,290	294	3,098	<16.0
TT-14 @ 8'	8'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	117	26.4	143	-
TT-15 @ 2'	2'	5/26/2015	In-Situ	-	-	-	-	-	<10.0	63.4	<10.0	63.4	-
TT-15 @ 8'	8'	5/26/2015	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	69.5	13.5	83.0	32.0
TT-16 @ 2'	2'	5/26/2015	In-Situ	-	-	-	-	-	10.3	144	18.0	172	-
TT-16 @ 8'	8'	5/26/2015	In-Situ	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32.0

ATTACHMENT #5 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

				М	ETHOD: EP	A SW 846-8	3021B, 5030		ME.	THOD: 80	15M		4500 CI-B
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
HA-1 @ 2'	2'	5/19/2015	In-Situ	-	-	-	-	-	<10.0	90.2	62.6	153	-
HA-1 @ 4'	4'	5/19/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	364	211	575	688
HA-2 @ 2'	2'	5/19/2015	In-Situ	-	-	-	-	-	3,270	11,900	2,030	13,930	64.0
HA-2 @ 4'	4'	5/19/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	11.1	207	68.0	275	-
HA-3 @ 1'	1'	5/19/2015	In-Situ	-	-	-	-	-	<10.0	186	25.1	211	-
HA-3 @ 3'	3'	5/19/2015	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	174	1,800	251	2,051	<16.0
NMOCD Recom	mended Re	mediation A	ction Level	10				50				100	250

^{- =} Not analyzed.

ATTACHMENT #6 FIELD-TEST RESULTS

	OAMBI E		Field	Screens
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	PID	CHLORIDE
TT-1 @ 1'	1'	05/18/2015	28.7	-
TT-1 @ 2'	2'	05/18/2015	2.3	-
TT-1 @ 3'	3'	05/18/2015	15.2	-
TT-1 @ 4'	4'	05/18/2015	4.4	<124
TT-1 @ 5'	5	05/18/2015	3.9	-
TT-1 @ 6'	6'	05/18/2015	3.9	-
TT-2 @ 2'	2'	05/18/2015	1.0	-
TT-2 @ 3'	3'	05/18/2015	0.8	-
TT-2 @ 4'	4'	05/18/2015	0.1	-
TT-3 @ 2'	2'	05/18/2015	2,331	-
TT-3 @ 3'	3'	05/18/2015	2,373	-
TT-3 @ 4'	4'	05/18/2015	203	-
TT-3 @ 5'	5'	05/18/2015	10.2	-
TT-3 @ 6'	6'	05/18/2015	2.8	-
TT-4 @ 1'	1'	05/18/2015	1.9	-
TT-4 @ 2'	2'	05/18/2015	1.5	_
TT-4 @ 3'	3'	05/18/2015	17.8	-
TT-4 @ 4'	4'	05/18/2015	0.7	_
11 1 0 1		00/10/2010	011	
TT-5 @ 2'	2'	05/18/2015	9.2	_
TT-5 @ 3'	3'	05/18/2015	9.2	_
TT-5 @ 4'	4'	05/18/2015	75.1	_
TT-5 @ 5'	5'	05/18/2015	476	_
. 1 0 😅 0	3	55/15/2015	710	
TT-6 @ 1'	1'	05/18/2015	35.5	_
TT-6 @ 1	2'	05/18/2015	65.0	
TT-6 @ 2	3'	05/18/2015	110	
TT-6 @ 3	3 4'	05/18/2015	43.2	
TT-6 @ 4	5'	05/18/2015	6.8	-
TT-6 @ 5	6'	05/18/2015	67.7	_
TT-6 @ 6	7'	05/18/2015	1.0	
11-0 @ 1	-	03/10/2013	1.0	-
TT-7 @ 2'	2'	05/18/2015	3,147	_
TT-7 @ 2	3'	05/18/2015	1,455	
TT-7 @ 3	3 4'	05/18/2015	66.8	
TT-7 @ 4	4 5'	05/18/2015	42.8	- -
TT-7 @ 5	6'	05/18/2015	462	_
11-7 & 0	U	03/10/2013	404	-

ATTACHMENT #6 FIELD-TEST RESULTS

			Field 9	Screens
SAMPLE	SAMPLE	SAMPLE	i icia (20100113
LOCATION	DEPTH (BGS)	DATE	PID	CHLORIDE
TT-8 @ 1'	1'	05/18/2015	209	-
TT-8 @ 2'	2'	05/18/2015	5.6	-
TT-8 @ 3'	3'	05/18/2015	5.9	-
TT-8 @ 4'	4'	05/18/2015	14.0	-
TT-8 @ 5'	5'	05/18/2015	5.0	-
TT 0 @ 0	01	05/40/0045	0.777	
TT-9 @ 2'	2'	05/18/2015	2,777	-
TT-9 @ 3'	3'	05/18/2015	1,472	-
TT-9 @ 4'	4'	05/18/2015	1,478	-
TT-9 @ 5'	5'	05/18/2015	59.6	-
TT-9 @ 6'	6'	05/18/2015	697	-
TT-9 @ 8'	8'	05/26/2015	103	-
TT-9 @ 10'	10'	05/26/2015	35.7	-
TT-9 @ 12'	12'	05/26/2015	9.4	-
TT-9 @ 14'	14'	05/26/2015	12.8	-
TT-9 @ 16'	16'	05/26/2015	162	-
TT-9 @ 18'	18'	05/26/2015	228	-
TT 10 0 0	01	0.7/0.0/0.04.7	44.4	
TT-10 @ 2'	2'	05/26/2015	41.4	-
TT-10 @ 4'	4'	05/26/2015	111	-
TT 44 @ 0!	01	05/00/0045	4.400	
TT-11 @ 2'	2'	05/26/2015	1,163	-
TT-11 @ 4'	4'	05/26/2015	1,578	-
TT-11 @ 6'	6'	05/26/2015	1,832	-
TT-11 @ 8'	8'	05/26/2015	75.5	-
TT-11 @ 10'	10'	05/26/2015	84.0	-
TT 40 @ 0!	Ol	05/00/0045	040	
TT-12 @ 2'	2'	05/26/2015	248	-
TT-12 @ 4'	4'	05/26/2015	320	-
TT-12 @ 6'	6'	05/26/2015	2,449	-
TT-12 @ 8'	8'	05/26/2015	202	-
TT 40 @ 0'	O.	05/00/0045	4 000	
TT-13 @ 2'	2'	05/26/2015	1,629	-
TT-13 @ 4'	4' 6'	05/26/2015	682	-
TT-13 @ 6' TT-13 @ 8'	6' 8'	05/26/2015	14.8	-
11-13 @ 6	O	05/26/2015	3.6	-
TT-14 @ 2'	2'	05/26/2015	2 006	
TT-14 @ 2	4'	05/26/2015	2,096	-
TT-14 @ 4	6'	05/26/2015	50.9	-
TT-14 @ 6'	8'	05/26/2015 05/26/2015	26.2 202	-
11-14 @ 0	0	03/20/2015	202	-

ATTACHMENT #6 FIELD-TEST RESULTS

	CAMPI E		Field S	Screens
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	PID	CHLORIDE
TT-15 @ 2'	2'	05/26/2015	359	-
TT-15 @ 4'	4'	05/26/2015	75.4	-
TT-15 @ 6'	6'	05/26/2015	59.0	-
TT-15 @ 8'	8'	05/26/2015	359	-
TT-16 @ 2'	2'	05/26/2015	761	-
TT-16 @ 4'	4'	05/26/2015	1,981	-
TT-16 @ 6'	6'	05/26/2015	42.2	-
TT-16 @ 8'	8'	05/26/2015	7.0	-
HA-1 @ 2'	2'	05/19/2015	5.6	-
HA-1 @ 3'	3'	05/19/2015	3.3	-
HA-1 @ 4'	4'	05/19/2015	2.1	-
HA-2 @ 2'	2'	05/19/2015	2,543	-
HA-2 @ 3'	3'	05/19/2015	1,220	_
HA-2 @ 4'	4'	05/19/2015	1,236	_
HA-3 @ 1'	1'	05/19/2015	236	-
HA-3 @ 2'	2'	05/19/2015	2,117	-
HA-3 @ 3'	3'	05/19/2015	1,923	_

Attachment #7 Photographs



Jones 34 Federal #1 Battery - Release Site (Looking Northwest)



Jones 34 Federal #1 Battery – Point of Release (Looking West)



Jones 34 Federal #1 Battery – Excavation (Looking Southwest)



Jones 34 Federal #1 Battery – Initial Excavation (Looking North)



Jones 34 Federal #1 Battery – Initial Excavation (Looking North)



Jones 34 Federal #1 Battery – Initial Excavation (Looking South)



Jones 34 Federal #1 Battery – Initial Excavation (Looking South-Southwest)



Jones 34 Federal #1 Battery – Initial Excavation (Looking East-Northeast)



Jones 34 Federal #1 Battery - Initial Excavation (Looking East-Southeast)



Jones 34 Federal #1 Battery - Initial Excavation (Looking Southeast)



Jones 34 Federal #1 Battery - Initial Excavation (Looking Northeast)



Jones 34 Federal #1 Battery - Initial Excavation (Secondary Flow Path, Looking Southeast)



Jones 34 Federal #1 Battery - Initial Excavation (Primary Flow Path, Looking Southeast)



Jones 34 Federal #1 Battery - Primary Flow Path (Looking Southeast)



Jones 34 Federal #1 Battery – Terminus of Primary Flow Path (Looking Northwest)



Jones 34 Federal #1 Battery – Delineation Event (Looking Northeast; Trench Locations Flagged in Red)



Jones 34 Federal #1 Battery – Advancement of Test Trench TT-8 (Looking Northwest)

Attachment #8 Laboratory Analytical Reports



June 05, 2015

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: JONES 34 FEDERAL #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/29/15 13:30.

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

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

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

05/18/2015



Analytical Results For:

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

Received: 05/29/2015 Sampling Date:

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-1 @ 1' (H501359-01)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2015	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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	37.5	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	106 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	122 %	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keine



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-1 @ 6' (H501359-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					A-01
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/02/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/02/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/02/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	1						
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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	94.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-2 @ 2' (H501359-03)

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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	106	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	120	% 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-3 @ 2' (H501359-04)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	5.63	0.500	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	3.37	0.500	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	29.8	1.50	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	38.8	3.00	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 61-154	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2015	ND	416	104	400	3.77	
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	984	50.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	5800	50.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	776	50.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	172	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	188	% 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Kreine



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-3 @ 4' (H501359-05)

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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	99.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	119 9	% 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Jodi Henson

Sample Received By:



Analytical Results For:

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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil
Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact

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

Sample ID: TT-3 @ 6' (H501359-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 61-154	!						
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	105 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	120 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keine



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-4 @ 1' (H501359-07)

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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	105	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	120	% 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-4 @ 4' (H501359-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	!						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	107 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keine



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-5 @ 2' (H501359-09)

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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	231	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	144	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	105 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	142 %	52.1-17	'6						

Sample ID: TT-5 @ 4' (H501359-10)

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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	720	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	204	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	103 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	147 9	52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-5 @ 5' (H501359-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.100	0.100	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	0.684	0.100	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	2.74	0.300	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	3.43	0.600	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 %	% 61-154	1						
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	300	50.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	4030	50.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	724	50.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	126 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	174 9	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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.

Celey D. Keine



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-6 @ 1' (H501359-12)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	107	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	125	% 52.1-17	'6						

Sample ID: TT-6 @ 3' (H501359-13)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/01/2015	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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	69.1	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	48.3	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	102 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123 %	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

Jodi Henson

Sample Received By:



Analytical Results For:

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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil
Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact

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

Sample ID: TT-6 @ 7' (H501359-14)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	!						
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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	98.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	112 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-7 @ 2' (H501359-15)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	1.94	0.200	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	7.25	0.200	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	27.2	0.600	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	36.4	1.20	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 61-154	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/01/2015	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	402	50.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	2420	50.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	408	50.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	126	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	144	% 52.1-17	'6						

Surrogate: 1-Chlorooctadecane 144 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-7 @ 5' (H501359-16)

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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	59.3	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	104	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	122	% 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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

Jodi Henson

Sample Received By:



Analytical Results For:

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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil
Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact

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

Sample ID: TT-7 @ 6' (H501359-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	% 61-154	1						
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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	74.4	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	103 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	122 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-8 @ 1' (H501359-18)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	22.2	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	95.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	117 9	% 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-8 @ 5' (H501359-19)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 61-154	!						
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	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	<10.0	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	<10.0	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	100	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	114 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-9 @ 2' (H501359-20)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	0.266	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	0.726	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	4.44	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	5.43	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 61-154	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	88.6	10.0	05/30/2015	ND	184	92.2	200	2.04	
DRO >C10-C28	480	10.0	05/30/2015	ND	205	102	200	4.17	
EXT DRO >C28-C35	62.8	10.0	05/30/2015	ND					
Surrogate: 1-Chlorooctane	105	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	130	% 52.1-17	6						

Surrogate: 1-Chlorooctadecane 130 % 52.1-176

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 competent 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.



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/18/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-9 @ 6' (H501359-21)

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	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	23.4	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	104	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	121	% 52.1-17	'6						

Sample ID: TT-9 @ 16' (H501359-22)

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	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	107	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	122	% 52.1-17	76						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

 Received:
 05/29/2015
 Sampling Date:
 05/26/2015

 Reported:
 06/05/2015
 Sampling Type:
 Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-9 @ 18' (H501359-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/03/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/03/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/03/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	< 0.150	0.150	06/03/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	61-154	!						
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	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	104 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	121 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-10 @ 4' (H501359-24)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 61-154	!						
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	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	107 :	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

05/26/2015

Sampling Date:



Analytical Results For:

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

Fax To: (575) 396-1429

05/29/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-11 @ 2' (H501359-25)

Received:

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	27.0	10.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	179	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	17.4	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	100	% 47.2-15	7						

Surrogate: 1-Chlorooctane 100 % 47.2-137
Surrogate: 1-Chlorooctadecane 122 % 52.1-176

Sample ID: TT-11 @ 6' (H501359-26)

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	345	10.0	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	728	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	43.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	120	% 47.2-15	7						

 Surrogate: 1-Chlorooctadecane
 120 %
 47.2-137

 Surrogate: 1-Chlorooctadecane
 123 %
 52.1-176

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-11 @ 10' (H501359-27)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	< 0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	< 0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	6 61-154	1						
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	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	99.8 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	116 %	6 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-12 @ 2' (H501359-28)

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	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	20.8	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	96.9	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 114 % 52.1-176

123 %

52.1-176

Sample ID: TT-12 @ 6' (H501359-29)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	147	10.0	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	961	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	141	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	116	% 47.2-15	7						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-12 @ 8' (H501359-30)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 61-154	!						
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	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	12.7	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	105 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-13 @ 2' (H501359-31)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	59.0	10.0	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	686	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	99.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	108 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	125 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent 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.

05/26/2015



Analytical Results For:

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

Received: 05/29/2015 Sampling Date:

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-13 @ 8' (H501359-32)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	!						
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	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	<10.0	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	107	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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.

Celeg D. Keene



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-14 @ 2' (H501359-33)

Chloride, SM4500CI-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	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	514	10.0	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	2290	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	294	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	151 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	147 %	52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson
Project Location: LEA COUNTY, NM

Sample ID: TT-14 @ 8' (H501359-34)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	61-154	!						
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	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	117	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	26.4	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	104 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	120 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-15 @ 2' (H501359-35)

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	06/01/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	63.4	10.0	06/01/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	<10.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	108	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact NONE GIVEN Sample Received By: Project Number: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-15 @ 8' (H501359-36)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	< 0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 61-154	1						
Chloride, SM4500Cl-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	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/02/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	69.5	10.0	06/02/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	13.5	10.0	06/02/2015	ND					
Surrogate: 1-Chlorooctane	103	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	118 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent 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.



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-16 @ 2' (H501359-37)

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	10.3	10.0	06/02/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	144	10.0	06/02/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	18.0	10.0	06/02/2015	ND					
Surrogate: 1-Chlorooctane	104 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124 %	6 52.1-17	'6						

Cardinal Laboratories *=Accredited Analyte

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



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

Received: 05/29/2015 Sampling Date: 05/26/2015

Reported: 06/05/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact NONE GIVEN Sample Received By: Project Number: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-16 @ 8' (H501359-38)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2015	ND	2.10	105	2.00	0.798	
Toluene*	<0.050	0.050	06/04/2015	ND	1.87	93.5	2.00	0.110	
Ethylbenzene*	< 0.050	0.050	06/04/2015	ND	1.80	90.2	2.00	0.401	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.25	87.5	6.00	0.104	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	6 61-154	!						
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	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/02/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	<10.0	10.0	06/02/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	<10.0	10.0	06/02/2015	ND					
Surrogate: 1-Chlorooctane	93.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	116 %	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause 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.



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.

A-01 Original analysis run within hold time, but did not meet QC requirements. Re-analysis run outside EPA recommended hold time of 14 days.

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 whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

ARDINAL 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 Technology	ologie	s, LL	C						BI	LL TO					ΔΝ	IALYSI	S RE	OHE	eT.		
Project Manager:	Ben Arguijo							P.0	#:								T OI	T	T COL	1		
Address: P.O. E	3ox 301							Con	npany	<i>r</i> :	Basin Env.		1					+				
City: Lovington	State: NM	Zip	: 8	8826	0			Attn			DOSIT LITY.											
Phone #: (575)3	396-2378 Fax #: (575)3	96-14	29						ress:													
Project #:	Project Owne			JS	ervic	e. In	C.						1									
Project Name:	Jones 34 Federal #1 Battery					9,		City					1									
Project Location:	Lea Co., NM							Stat			Zip:		TPH (8015M)	×	9				1			
Sampler Name: 1				_					ne #:				8	ВТЕХ	Chloride			1				
FOR LAB USE ONLY		_	Т	19	м	ATRI	·	Fax	#: PRESE	-DV	SAMPL	NO.	표		5							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAIN	GROUNDWATER S	FWATER	OIL	GE		ICE / COOL	OTHER:	DATE	TIME										
1	TT-1 @ 1'	G	1	Х					X		5/18/15	0900	Х		X							
3	TT-1 @ 6'	G	1	Х			Ш		X		5/18/15	0920	Х	X								
3	TT-2 @ 2'	G	1	Х			Ш		X		5/18/15	0930	Х									
1	TT-3 @ 2'	G	1	Х					X		5/18/15	0945	Х	Х	X							
5	TT-3 @ 4'	G	1	Х	1				X		5/18/15	0950	Х									-
6	TT-3 @ 6'	G	1	Х					X		5/18/15	0955	х	х								-
7	TT-4 @ 1'	G	1	Х					X		5/18/15	1005	х								-	-
8	TT-4 @ # 144	G	1	х					X		5/18/15	1010	X	х							-	-
9	TT-5 @ 2'	G	1	х	- 1				X		5/18/15	1025	Х								-	+
10	TT-5 @ 4' mages. Cardinal's liability and client's exclusive remedy for any clair	G	1	Х					Y		5/19/15	1000	X		-	_					-	-

se for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: Received By:	easons or otherwise.
1	Sate. 5/18/10 Received by:	Phone Result:
I In went	5/10/13	Fax Result:
nester Worter	Time: (700, 1/1/16	REMARKS:
Relinquished By:	Date: / Received By:	
61/	5/84/15 /16 1. W	
11/1/2	Time: 1330 Mai Alenson	and the second s
Delivered By: (Circle One)		Please e-mail results to pm@basinenv.com & paul@muthig-env.com
	7 77	DI.
Sampler - UPS - Bus - Other:	5.20 Cool Intact Infitials	
2422 334	LI NO LI NO VIVI	

FORM-006 Revision 1.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name:	Basin Environmental Service Techno	ologies	, LL	С						BII	LL TO					ANALYSI	S REQUE	ST	
Project Manager:	Ben Arguijo							P.O. i	#:										
Address: P.O. 6	3ox 301							Comp	oany:		Basin Env.							+ +	1
City: Lovington	State: NM	Zip	: 8	8260				Attn:					1						1 1
Phone #: (575)3	396-2378 Fax #: (575)3	96-14	29				- 1	Addr	ess:				1						
Project #:	Project Owne	r:	J&	J Ser	vice	Inc	_ 1	City:										1 1	1 1
Project Name:	Jones 34 Federal #1 Battery						_ 1	State			Zip:		Ξ						
Project Location:	Lea Co., NM							Phon			Zip.		(8015M)	X	Chloride				1 1
	L. Noack							Fax #					8	ВТЕХ	울				
FOR LAB USE ONLY		$\overline{}$		12	MA	TRIX	_		RESE	RV.	SAMPLII	NG	T H		0				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER S	SOIL	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME							
11	TT-5 @ 5'	G	1	х					Х		5/18/15	1035	Х	Х					
12	TT-6 @ 1'	G	1	х					Х		5/18/15	1055	X						
13	TT-6 @ 3'	G	1	х					Х		5/18/15	1100	Х		х				
14	TT-6 @ 7'	G	1	х					Х		5/18/15	1110	X	X					
15	TT-7 @ 2'	G	1	х					Х		5/18/15	1125	X	X	х				
16	TT-7 @ 5'	G	1	х					Х		5/18/15	1135	X						
17	TT-7 @ 6'	G	1	х					Х		5/18/15	1140	Х	X		_ _ .			
18	TT-8 @ 1'	G	1	х					Х		5/18/15	1150	х		Х				
19 20	TT-8 @ 5'	G	1	х					х		5/18/15	1200	Х	Х					
20	TT-9 @ 2' amages. Cardinal's liability and client's exclusive remedy for any cl	G	1	X					Х		5/18/15	1245	Х	X	Х				

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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: - Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
1 1- 15 11	3/10/10	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Lesla Vestex	Time: 1700	REMARKS:
Relinquished By:	Date: A Received By:	
1/5	Time: 1330 Mai Denson	Please e-mail results to pm@basinenv.com & paul@muthig-env.com
Delivered By: (Circle One)	Sample Condition CHECKED BY:	
	Cool Intact ((hit/als)	
Sampler - UPS - Bus - Other:	5.20 Pyes Pyes	

FORM-006 Revision 1.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476 Company Name: Basin Environmental Service Technologies, LLC BILL TO ANALYSIS REQUEST Project Manager: Ben Arguijo P.O. #: Address: P.O. Box 301 Company: Basin Env. City: Lovington State: NM Zip: 88260 Attn: Phone #: (575)396-2378 Fax #: (575)396-1429 Address: Project #: Project Owner: J&J Service, Inc. City: Project Name: Jones 34 Federal #1 Battery TPH (8015M) State: Zip: Project Location: BTEX Lea Co., NM Phone #: Sampler Name: L. Noack Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING G)RAB OR (C)OMP SROUNDWATER CONTAINERS VASTEWATER Lab I.D. Sample I.D. OTHER: ACID/BASE: CE/COOL SLUDGE H501359 SOIL DATE TIME 21 TT-9 @ 6' G X 1300 X 5/18/15 X TT-9 @ 16 B8A 22 G 1 X X 089 5/26/15 X 23 TT-9 @ 18' G X X 5/26/15 X X Hold BTEXX 24 TT-10 @ 4' G X X Hold BTEX 5/26/15 X X X からかり TT-11 @ 2' G X X 5/26/15 X G TT-11 @ 6' X 0955 X 5/26/15 X X Hold BTEX G TT-11 @ 10' X X 5/26/15 X X Hold BTEX TT-12 @ 2' G X X 5/26/15 1020 TT-12 @ 6' G X 1030 X 5/26/15 X X X Hold BTEX TT-12 @ 8' G 5/26/15 X Hold BTEX

analyses. All claims including those for negligence and any other cause whatsoer remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 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,

affinates or successors arising out of or related to the performance of ser	vices hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated masses.	
Relinquished By:	Date Z/ / Received By:	Phone Result: Yes No Add'l Phone #:
L. la elatex	Time: Sixta C	Fax Result: ☐ Yes ☐ No Add'l Fax #:
nesur 100	1700 1300	REMARKS:
Relinquished By:	Date: Received By:	
6/1/	3/3/18 (100) M 1100	
W/M	Time: 1330 Well Stellson	Dioces a mail requite to an Ot all the second
Delivered By: (Circle One)	Sample Condition CHECKED BY:	Please e-mail results to pm@basinenv.com & paul@muthig-env.com
Sampler - UPS - Bus - Other:	Cool Intact (Initials)	
Campion of o Bus - Other.	5.2° O No O No	
The state of the s	/	

FORM-006 Revision 1.0

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name:	Basin Environmental Service Techn	nologies	s, LL	C						BI	LL TO					ANALYSIS REQUEST	
Project Manager:	Ben Arguijo							P.O.				*************			T	ANALI SIS REQUEST	1 1
Address: P.O. City: Lovington	Box 301 State: NM	Zip	: 8	826)			Com	pany	:	Basin Env.					8	
Phone #: (575)	396-2378 Fax #: (575)	396-14	29					Addr	ess:				1			M	
Project #:	Project Own	er:	J8	JSe	rvice	e, Inc		City:								9	
Project Name:	Jones 34 Federal #1 Battery							State			7in:		Ê		- 1	9	
Project Location:	Lea Co., NM										Zip:		(8015M)	×	ide	12	1 1
Sampler Name:	L. Noack			20.				Phon Fax #					8	BTEX	Chloride	Added	
FOR LAB USE ONLY			Г	1	M.A	ATRIX	_	_	RESE	RV.	SAMPLI	NG	Ŧ		O	13	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME				3年×1	
31	TT-13 @ 2'	G	1	Х					X		5/26/15	1100	X	Х	Х	Hold BTEX	
32 33	TT-13 @ 8'	G	1	Х					X		5/26/15	1135	Х	Х	х	Holo ETEX	
33	TT-14 @ 2'	G	1	Х					X		5/26/15	1005	Х	х	х	Hold BTEX	
34	TT-14 @ 8'	G	1	Х					Х		5/26/15	1235	Х	Х		HONETEX	
35	TT-15 @ 2'	G	1	Х					X		5/26/15	1340	х			11	
36	TT-15 @ 8'	G	1	X					х		5/26/15	1400	X	х	x	Hold	
37	TT-16 @ 2'	G	1	Х					х		5/26/15	1430	х	X		Hold BTEX	
34 35 36 37 38 39	TT-16 @ 8'	G	1	х					Х	1	5/26/15	1500	Х	Х	x	Hold STEX	
39	TT-206'	G			+	H	+	+	Х	1	5/19/15	-	X	.,		- Work Hold	
PLEASE NOTE: Liability and Da	mages. Cardinal's liability and client's exclusive remedy for any cl	6	1	X		_			X	\pm	5/19/15		X	X	_X	PONT	

for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: _/ / Rec	seived By:	ny of the above stated reasons or oth	Phone Result:	□ Yes	TI No.	Addition
1/10 11 /	5/26/15			Fax Result:	□ Yes	□ No	Add'l Phone #:
Lesla Cirtel	Time: 1700	MIL		REMARKS:	LI Tes	□ NO	Add'l Fax #:
Relinquished By:		elved By:					
1/1/1	7/39/15/ Time: /3 30	Ddi Al	Men	-			2.40.0737
Delivered By: (Circle One)	1000	Sample Condition	CHECKED BY:	Please e-	mail resu	its to pm	@basinenv.com & paul@muthig-env.com
Sampler - UPS - Bus - Other:	5.20	Cool Intact Yes 1 Yes No No	(Initials)/				
EODM 006	7.2		1				

FORM-006 Revision 1.0



June 03, 2015

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: JONES 34 FEDERAL #1 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/29/15 13:30.

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

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

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received: 05/29/2015 Sampling Date: 05/19/2015

Reported: 06/03/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: HA-1 @ 2' (H501360-01)

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	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	90.2	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	62.6	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	96.5	% 47.2-15	7						

Surrogate: 1-Chlorooctane 96.5 % 47.2-157
Surrogate: 1-Chlorooctadecane 125 % 52.1-176

Sample ID: HA-1 @ 4' (H501360-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	< 0.300	0.300	06/01/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID	113	% 61-15	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	688	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/19/2015

Reported: 06/03/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: HA-1 @ 4' (H501360-02)

TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	364	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	211	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	146	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 188 % 52.1-176

287 %

52.1-176

Sample ID: HA-2 @ 2' (H501360-03)

Surrogate: 1-Chlorooctadecane

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/02/2015	ND	416	104	400	3.92	
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	3270	100	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	11900	100	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	2030	100	06/01/2015	ND					
Surrogate: 1-Chlorooctane	247	% 47.2-15	7						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/19/2015

Reported: 06/03/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: HA-2 @ 4' (H501360-04)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.050	0.050	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.050	0.050	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<0.150	0.150	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<0.300	0.300	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	!						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11.1	10.0	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	207	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	68.0	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	92.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	117 9	% 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/19/2015

Reported: 06/03/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: HA-3 @ 1' (H501360-05)

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	06/01/2015	ND	177	88.4	200	2.82	
DRO >C10-C28	186	10.0	06/01/2015	ND	192	96.0	200	5.99	
EXT DRO >C28-C35	25.1	10.0	06/01/2015	ND					
Surrogate: 1-Chlorooctane	92.5 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	114 %	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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



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

Fax To: (575) 396-1429

Received: 05/29/2015 Sampling Date: 05/19/2015

Reported: 06/03/2015 Sampling Type: Soil

Project Name: JONES 34 FEDERAL #1 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: HA-3 @ 3' (H501360-06)

BTEX 8021B	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/01/2015	ND	1.89	94.3	2.00	3.38	
Toluene*	<0.500	0.500	06/01/2015	ND	1.95	97.6	2.00	2.92	
Ethylbenzene*	<0.500	0.500	06/01/2015	ND	1.81	90.6	2.00	4.06	
Total Xylenes*	<1.50	1.50	06/01/2015	ND	5.33	88.8	6.00	3.79	
Total BTEX	<3.00	3.00	06/01/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 61-154	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/02/2015	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	174	50.0	06/02/2015	ND	176	88.1	200	1.73	
DRO >C10-C28	1800	50.0	06/02/2015	ND	192	95.9	200	3.50	
EXT DRO >C28-C35	251	50.0	06/02/2015	ND					
Surrogate: 1-Chlorooctane	111 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	134	% 52.1-17	'6						

Surrogate: 1-Chlorooctadecane 134 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

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



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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 *=Accredited Analyte

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

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2			_		_	E			DII	1 70					ΔN	ΙΔΙ Υ	SIS F	REQU	FST			
Company Name:	Basin Environmental Service Techno	logies	LL	C			-	BILL TO				1.0			All	TALIS	101	LGO			1	T	
Project Manager:	Ben Arguijo						1	P.O.	#:														
Address: P.O. B	ox 301						(Company: Basin Env.															
City: Lovington	State: NM	Zip	8	8260)		1	Attn:									-						
	96-2378 Fax #: (575)3	96-14	29				1	Address:															
Project #:	Project Owne	r:	J&	J Se	ervice	, Inc	. (City: State: Zip: Phone #:					_										
	Jones 34 Federal #1 Battery												5M		0								1
Project Location:	Lea Co., NM						- 1						TPH (8015M)	втех	Chloride								
Sampler Name:							_	Fax #:				Ī	æ	등									
FOR LAB USE ONLY		1.	Г		MA	(TRI)			RESE	RV.	SAMPLI	NG	F										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME											
1	HA-1 @ 2'	G	1	х					X		5/19/15	0900	X			_	-	-	-	+	+	+	+
2 3	HA-1 @ 4'	G	1	X					X		5/19/15	09100	4×	X	X	-	-	-	-	+	+	+	+
3	HA-2 @ 2'	G	1	X					X		5/19/15		X		X	-	-	-		+	+	+	+
4	HA-2 @ 4'	G	1	X			Ш		X		5/19/15	0950	X	X		-	_	-	-	-	+	+	+
5	HA-3 @ 1'	G	1	X		1			X		5/19/15	1015	X	-			-	-	-	+	+	+	+
6	HA-3 @ 3'	G	1	Х		+		-	X	Н	5/19/15	1020	X	X	X			+	+			+	\dagger
						İ												1				-	1
						1							\vdash				-	+	-	+	_	+	+
	namages. Cardinal's liability and client's exclusive remedy for any	faim ariein	a where	ther bes	ed in cost	tract or	tort, she	il be fin	ated to the	amour	nt paid by the clien	t for the	_					_					_

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 Relinquished By:	Date: / // Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Kemiquished by.	5/19/18	Fax Result:
Chauren Fisher	Time: 1700,	REMARKS:
Relinquished By:	Date: Received By:	
Olh	Time: 1330 Jodi Stund	Please e-mail results to pm@basinenv.com & paul@muthig-env.com
Delivered By: (Circle One)	Sample Condition CHECK	du l
Sampler - UPS - Bus - Other:	5.20 Cool Intact Yes Yes No No	Also,

FORM-006 Revision 1.0