



October 16, 2018

Dear Mr. Ericson:

Mr. Dean Ericson ETC Field Services LLC 600 N. Marienfeld Suite 700 Midland, Texas 79701 NMOCD grants deferral for identified area for 1RP-4583. See email correspondence for approval with conditions regarding remedial activities.

Reference No. 11135250-1

Re: Updated Remediation Summary Report 2C-14-3 Ten Inch (1 RP-4583) ETC Field Services LLC Site Location: Sec. 24, T 25-S, R 37-E (Lat 32.11776N°, Long -103.11039W°)

Lea County, New Mexico

GHD Services, Inc. (GHD) is pleased to present this report for the above referenced site. The 2C-14-3 Ten Inch (hereafter referred to as the "Site") is located within Section 35, Township 21 South, Range 37 East, in Lea County, New Mexico (see Figure 1). The property is privately owned.

On January 18, 2017, a release of approximately 39 barrels (bbls) of natural gas/oil was reported to the State of New Mexico Oil Conservation Division (NMOCD) via Form C-141. A leaking 10-inch pipe was the cause of the release. Approximately 35 bbls were recovered utilizing a vacuum truck. Contaminated soils were excavated and stockpiled on site (see Figure 2). NMOCD release number 1RP 4583 was assigned.

GHD submitted a Remediation Summary Report dated October 12, 2017 to NMOCD that described assessment activities performed at the Site. The following summary and recommendations were made in the report.

Chloride impacted soils above the RRAL at the Site were encountered at a depth of 4 ft. bgs in FS-7 and at a depth of 4.5 ft. bgs within the excavation (Sample Nos. 6, 9, 15, 21, and 24). Chloride impacted soils exceeding the RRAL were also encountered on the surface in four areas (Sample Nos. 44, 46, 47, and 50). Based on the assessment of the chloride concentrations, GHD recommended the following:

- Excavating the remaining petroleum hydrocarbon contaminated soil within the excavation. Scrape the areas where contamination was found at the surface and excavate the area around FS-7 to a depth of 4 ft. bgs.
- Placement of a 20-mil polyethylene liner in the bottom of the excavation at a depth of 4 ft. bgs.
- Backfilling of the excavation with clean fill material and wheel compacting to grade, once approval of delineation has been confirmed.
- Fertilizing and reseeding of the disturbed area with a seed mix that is approved by the land owner.





In an email dated December 22, 2017 Ms. Olivia Yu with NMOCD indicated that the delineation was complete and authorized the proposed remediation.

1. Recommended Remediation Action Limits

Based on information available from the United States Geologic Survey National Water Information System, the depth to groundwater at the Site is approximately 70 ft. below ground surface (bgs). This is based on a water well that is located approximately 0.5 mile northwest of the Site (see Appendix A, Water Well Report for depth to water). Additionally, there are no well head protection areas or surface water bodies within 1000 feet of the Site (see Figure 1). Therefore, the preliminary total ranking score is 10 (see table below).

Based on this score, the applicable NMOCD Site specific Recommended Remediation Action Limits (RRALs) are 10 milligrams per kilogram (mg/kg) for benzene, 50 mg/kg for total benzene, toluene, ethylbenzene, and xylenes (BTEX), 1,000 mg/kg for total petroleum hydrocarbons (TPH), and 600 mg/kg for chlorides.

New Mexico Oil Conservation Division Site Assessment	
Ranking Criteria	Score
Depth to Ground Water (50-99 ft. bgs)	10
Wellhead Protection Area (> 1000 ft. from water source, > 200 ft. from domestic source)	0
Distance to Surface Body Water (>1000 ft.)	0
Ranking Criteria Total Score	10*
*Because the ranking criteria total score is 20, NMOCD established RRALs are 10 mg/k 50 mg/kg for total BTEX, 1,000 mg/kg for total TPH and 600 ppm for chlorides ¹	

1. NMOCD Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993 and recent discussions with Mr. Jim Griswold with the NMOCD.

2. Remediation Activities

Excavation of impacted soils was performed from February 13, 2018 through February 15, 2018 (see Figure 2 for excavation limits). Soil samples were collected from the sidewalls and base of the excavation and submitted to Hall Environmental Analysis Laboratory (HEAL) located in Albuquerque, New Mexico. Soils in the areas of surface samples 44, 46, 47, 50, and 53 were excavated to an approximate depth of 1.5 to 6 feet bgs and samples were collected for laboratory analysis. The samples were analyzed for TPH analysis by EPA Method 8015 and for chloride analysis by EPA Method 300.

Total TPH ranged from below the laboratory reporting limits (LRL) to 288 mg/kg and chloride concentrations ranged from 120 mg/kg to 2,000 mg/kg. Three samples exceeding the chloride RRAL were collected from the west side of the excavation near the north end seen on Figure 2 (around SP-3, TP-28, and TP-29). The excavation could not be extended farther west in this area due to the presence of a



Chevron flow line. A summary of laboratory analytical results is provided as Table 1 and complete analytical reports are included as Appendix B.

3. Recommendations

The assessment of the horizontal and vertical extent of impacted soils has been performed. In addition, the excavation of impacted soils has been completed. GHD recommends the following activities.

- Deferral of the area around SP-3, TP-28, and TP-29
- Placement of a 20-mil polyethylene liner in the bottom of the excavation at a depth of 4 ft. bgs.
- Backfilling of the excavation with clean fill material and wheel compacting to grade, once approval of delineation has been confirmed.
- Fertilizing and reseeding of the disturbed area with a seed mix that is approved by the land owner.

Following completion of the above activities a request for no further action will be made for the Site. Should you have any questions, or require additional information regarding this submittal, please feel free to contact us at 505-884-0672.

Sincerely,

GHD

AIC Brand

Alan Brandon Senior Project Manager

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Mataron

Christine Mathews Project Manager

Figures



CAD File: I:\CAD\Files\Eight Digit Job Numbers\1113----\11135250-ETC Field Services\11135250-01(000)GN-DL001.dwg



	LEGEND	Sector and the
	Soil Sample Location - Collected by ETC Field Services Test Pit Location Excavation Sample Location Excavation Limits Deferral Area	NOTES:
— w —	Water Line	1. All site locations are approximate.
Depth BTEX TPH	Depth of Sample (ft) Benzene, Toluene, Ethylbenzene and Xylenes Concentration (mg/kg) Total Petroleum Hydrocarbons	 All results are in milligrams per kilograms (mg/kg). Sample locations shown that do not have analytical rewere excavated, See Table 1 for analytical.
ND	Concentration (mg/kg) Not Detected	4. Yellow shaded cells exceed NMOCD RRAL.
NA	No Analytical	5. Field screening data presented in Table-1.

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ETC FIELD SERVICES LEA COUNTY, NEW MEXICO 2C-14-3 10"

SOIL SAMPLE LOCATION

FIGURE 2

11135250-01

Oct 22, 2018

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Tables

Table 1

ETC Field Services LLC - 2C-14-3 10" Block Valve Section 24, Township 25 South, Range 37 East Lea County, New Mexico Soil Analytical Results Summary

Sample ID	Date	Sample Depth	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	ТРН	ТРН	ТРН	Total TPH	Field Screen - Chloride	Field Screen - Hvdrocarbons
		(ft.)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	Ext DRO (28- C36)	GRO/DRO	(mg/kg)	(ppm)
									(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		-
NMOCD Reme	ediation Action Levels		600	10	NE	NE	NE	50	NE	NE		1,000		
					E	XCAVATION SAM	IPLES							-
*Sample #1	2/3/2017	1.5	784	< 0.5	5.29	8.97	41.5	55.76	884	4,360	1,090	6,334.0		
*Sample #2	2/3/2017	1.5	848	< 0.05	< 0.05	0.323	1.28	1.603	69.2	7,060	2,140	9,269.2		
*Sample #3	2/3/2017	3.0	1,630	<0.5	5.25	5.49	20	30.74	909	2,130	526	3,565.0		
*Sample #4	2/3/2017	1.5	5,330	<0.5	1.02	6.27	23	30.29	746	4,730	1,390	6,866.0		
*Sample #5	2/3/2017	1.5	1,760	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #6	2/3/2017	4.5	1,470	< 0.05	< 0.05	< 0.05	<0.15	<0.30	<10.0	32.2	16.2	48.4		
*Sample #7	2/3/2017	1.5	1,060	< 0.05	< 0.05	< 0.05	0.22	0.22	<50.0	1,180	474	1,654		
*Sample #8	2/3/2017	1.5	2,280	<0.05	<0.05	< 0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<30.0 253		
*Sample #9 *Sample #10	2/3/2017 2/3/2017	4.5	1,200 992	<0.05	<0.05	<0.05 0.204	0.312	1.177	<10.0	413	<10.4	432.8		
*Sample #10	2/3/2017	1.5	4,160	<0.05	< 0.05	<0.05	<0.15	<0.30	<10.0	26	<10.0	432.8		
*Sample #11	2/3/2017	4.5	1,100	<0.05	0.151	0.228	1.15	1.529	22.4	284	<10.0	306.4		
*Sample #12	2/3/2017	1.5	1,390	0.921	7.12	1.75	6.25	16.041	213	811	<50.0	1024		
*Sample #14	2/3/2017	1.5	1,490	< 0.05	< 0.05	<0.05	<0.15	< 0.30	<50.0	77.6	<50.0	77.6		
*Sample #15	2/3/2017	4.5	1,230	<0.05	< 0.05	0.082	0.604	0.686	<50.0	591	<50.0	591		
*Sample #16	2/3/2017	1.5	1.620	< 0.05	< 0.05	0.091	0.444	0.535	<50.0	1.630	<50.0	1.630.0		
*Sample #17	2/3/2017	1.5	5,360	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #18	2/3/2017	4.5	544	< 0.1	0.188	<0.1	5.52	5,708	208	1,190	<10.0	1.398.0		
*Sample #19	2/3/2017	1.5	1,340	< 0.05	< 0.05	< 0.05	0.291	0.291	12.3	1,080	<10.0	1,092.3		
*Sample #20	2/3/2017	1.5	560.0	< 0.05	< 0.05	< 0.05	0.841	0.841	60.1	1720	<50.0	1,780.1		
*Sample #21	2/3/2017	4.5	800	< 0.05	0.225	< 0.05	2.39	2.615	110	1,570	<10.0	1,680.0		
*Sample #22	2/3/2017	1.5	832	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	746	<10.0	746.0		
*Sample #23	2/3/2017	1.5	976	<0.1	<0.1	<0.1	0.923	0.923	161	2,600	<10.0	2,761.0		
*Sample #24	2/3/2017	4.5	880	<1.0	1.92	<1.0	57.8	59.72	1670	4,080	<10.0	5,750.0		
*Sample #25	2/3/2017	1.5	832	0.088	3.4	3.45	11.9	18.838	91.2	1,220	<10.0	1,311.2		
*Sample #26	2/3/2017	1.5	128	<0.20	4.76	5.46	33.2	43.42	483	1,930	<10.0	2,413.0		
*Sample #27	2/3/2017	4.5	272	<1.0	12.6	22.1	97.1	131.8	1760	3,800	<10.0	5,560.0		
*Sample #28	2/3/2017	1.5	4,560	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	13.7	<10.0	13.7		
*Sample #29	2/3/2017	4.5	6,320	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #30	2/3/2017	4.5	4,160	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #31	2/3/2017	4.5	2,360	13.5	170	135	381	699.5	10,400	21,100	5,460	36,960		
*Sample #32	2/3/2017	4.5	288	< 0.05	< 0.05	< 0.05	< 0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #33	2/3/2017	6.0	816 304	<2.0	18.2	47.5 <0.05	167 <0.15	232.7	3,340	4,030	1,680	9,050		
*Sample #34 *Sample #35	2/3/2017 2/3/2017	4.5	304 6.960	<0.05	<0.05	<0.05	<0.15	<0.30 708.5	<10.0 8.360	45.2	26.1 1.960	71.3 17.280		
*Sample #35	2/3/2017	6.0	4.080	2.77	48	38	173	261.77	3,530	6,820	1,950	12,300		
*Sample #30	2/3/2017	4.5	5,040	17.1	220	128	423	788.1	10,600	18,600	5,230	34,430		
*Sample #38	2/3/2017	6.0	6.560	10.4	177	71.6	289	548	5.740	4.230	893	10.863		
*Sample #39	2/3/2017	6.0	3,440	<1.0	11.1	16.2	70.1	97.4	1,460	4,200	1.350	7.380		
*Sample #40	2/3/2017	6.0	5,440	<2.0	5.74	14.9	95	115.64	2,220	4,330	1,670	8.220		
*Sample #41	2/3/2017	6.0	1,760	<1.0	1.42	5.21	36.9	43.53	1,000	3,670	1,530	6,200		
*Sample #42	2/3/2017	6.0	3,160	<1.0	5.58	30.1	123	158.68	1,730	5,500	1,910	9,140		
*Sample #43	2/3/2017	4.5	4,400	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	21.8	14.3	36.1		
*Sample #44	2/3/2017	Surface	1,260	< 0.05	0.364	0.122	0.517	1.003	<50.0	1,100	354	1,454		
*Sample #45	2/3/2017	Surface	560	< 0.05	0.131	<0.05	<0.15	< 0.30	<10.0	478	288	766		
*Sample #46	2/3/2017	Surface	944	< 0.05	< 0.05	<0.05	<0.15	< 0.30	<10.0	10.3	10.2	20.5		
*Sample #47	2/3/2017	Surface	1,660	<0.5	<0.5	<0.5	14.1	14.1	659	7,090	2,460	10,209		
*Sample #48	2/3/2017	Surface	448	< 0.05	<0.05	<0.05	0.194	<0.30	11.3	720	251	982.3		
*Sample #49	2/3/2017	Surface	240	< 0.05	<0.05	<0.05	<0.15	<0.30	<10.0	77.9	42.0	119.9		
*Sample #50	2/3/2017	Surface	1,440	< 0.05	0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #51	2/3/2017	Surface	128	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #52	2/3/2017	Surface	48	< 0.05	< 0.05	< 0.05	<0.15	< 0.30	<10.0	<10.0	<10.0	<30.0		
*Sample #53	2/3/2017	Surface	96	< 0.05	0.287	< 0.05	6.27	6.557	123	1,180	447	1,750		

Table 1

ETC Field Services LLC - 2C-14-3 10" Block Valve Section 24, Township 25 South, Range 37 East Lea County, New Mexico Soil Analytical Results Summary

(ft.) (mg/kg)	C36) (mg/kg) (m	(mg/kg) 1,000 NA <30 <30 NA <30 <30 <30 <30	Chloride (mg/kg) 	Hydrocarbons (ppm)
Image: New part of the second secon	kg) (mg/kg) NA NA 0 <10 0 <10 0 <10 0 <10 0 <10 0 <10 0 <10 0 <10 0 <10 0 <10 10 <10 10 <10	1,000 1,000 NA <30 <30 NA <30 <30 <30	196 360 <116 197 852 432 840 432 616 616 568 <108	
NMOCD Remediation Action Levels 600 10 NE NE NE 50 NE NE TP-1 3/28/2017 10.0 NE	NA NA NA NA NA NA NA NA NA NA	1,000 1,000 NA <30 <30 NA <30 <30 <30	196 360 <116 197 852 432 840 432 616 616 568 <108	
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S-1113520-1-032817-TP-9-4' 3/28/2017 4.0 359 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050	0 <10 4 10		284	582
S-1113520-1-032917-TP-10-4' 3/29/2017 4.0 <11.0 <0.050 <0.050 <0.150 <0.300 <10 40.4 S-1113520-1-032917-TP-11-4' 3/29/2017 4.0 51.1 <0.050	4 10	<30	136	51
S-11135201-032917-TP-114' 3/29/2017 4.0 51.1 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050		<30	188	448
S-1113520-1-032917-TP-12-4' 3/29/2017 4.0 350 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050		50.4	<108	45
S-1113520-1-032917-TP-13-4' 3/29/2017 4.0 264 <0.050 <0.050 <0.150 <0.300 <10 <10 S-1113520-1-032917-TP-14-4' 3/29/2017 4.0 59.7 <0.050		<30	188	42
S-1113520-1-032917-TP-14-4' 3/29/2017 4.0 59.7 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050		<30 <30	136	10
S-11135201-032917-TP-15-4' 3/29/2017 4.0 259 <0.050 <0.050 <0.050 <0.0300 <10 <10 S-11135250-062617-SP-01 (FS-1) 6/26/2017 6.5 150 <0.024		<30	<108	32
S-11135250-062617-SP-01 (FS-1) 6/26/2017 6.5 150 <0.024 <0.048 <0.048 <0.096 <0.216 <4.8 31		<30	160	5
		31.0	100	-
S-11135250-062617-SP-02 (FS-1) 6/26/2017 8.5 90 <0.024 <0.049 <0.049 <0.049 <0.097 <0.219 <4.9 340		690	100	
FS-2 6/26/2017 5.5			1764	
FS-2 6/26/2017 7.5			1216	
FS-2 6/26/2017 9.5			460	
FS-2 6/26/2017 11.5			1120	
FS-2 6/26/2017 13.5			240	
S-11135250-062617-SP-03 (FS-2) 6/26/2017 15.5 240 <0.023 <0.047 <0.093 <0.210 <4.7 <9.9 S-11135250-062617-SP-04 (FS-2) 6/26/2017 17.5 210 <0.024		<63.6	136 136	
S-1113529-002017-37-04 (FS-2) 0/20/2017 17.5 210 <0.024 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0	3 <49.0	<b3.7< td=""><td>272</td><td></td></b3.7<>	272	
FS-2 6(27/2017 4.0			968	
S-11135250-06271-SP-01 (FS-3) 6/27/2017 4.0 60 <0.024 <0.048 <0.096 <0.216 <4.8 23.0	0 48.0	71.0	<100	
FS-4 6/27/2017 4.0		71.0	460	
S-11135250-062717-SP-02 (FS-5) 6/27/2017 4.0 42 <0.024 <0.049 <0.049 <0.049 <0.097 <0.219 <4.9 <9.6	6 <48.0	<62.5	240	
FS-6 6/27/2017 4.0			340	
S-11135250-062717-SP-03 (FS-7) 6/27/2017 4.0 800 <0.024 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0.048 <0		<61.2	504	
S-11135250-062717-SP-04 (FS-8) 6/27/2017 4.0 <30.0 <0.024 <0.049 <0.049 <0.049 <0.097 <0.219 <4.9 <9.8		<63.7	<100	
S-11135250-062717-SP-05 (FS-9) 6/27/2017 4.0 59 <0.024 <0.049 <0.049 <0.097 <0.219 <4.9 <9.8		<63.7	<100	
S-11135250-01-090717-MG-TP-16-6" 9/7/2017 0.5 <30 NA S-11135250-01-090717-MG-TP-17-2 9/7/2017 2.0 100 NA NA NA NA NA NA NA NA NA		NA NA	<100 <100	21 93
S-11135250-01-090717-MG-TP-17-2 9/7/2017 2.0 100 NA NA NA NA NA NA TP-17 9/7/2016 4.0	NA	NA	208	93
S-11135250-01-090717-MG-TP-18-2 9/7/2017 2.0 40 NA NA NA NA NA NA NA	NA	NA	<100	89
TP-18 97/2017 4.0	- INA	110	<100	96
S1135250-01-021318-JP-TP-19-8 2/13/2018 8.0 590 NA NA NA NA A <4.6 <10) <51	<65.6		
S1135250-01-021318-JP-TP-20-8 2/13/2018 8.0 950 NA NA NA NA NA A 44.7 <9.8		<63.5		
S1135250-01-021418-MG-TP-21 2/14/2018 1.5 260 NA NA NA NA NA A A <4.8 98	190	288		
S1135250-01-021418-MG-TP-23 2/14/2018 8.0 1,700 NA NA NA NA NA <br< td=""><td></td><td><65.0</td><td></td><td></td></br<>		<65.0		
S1135250-01-021418-MG-TP-24 2/14/2018 8.0 150 NA NA NA NA 150 150 NA NA NA NA 150 18		72		
S1135250-01-021418-MG-TP-25 2/14/2018 1.5 120 NA NA NA NA NA A <4.8 <9.9		<64.7		
S1135250-01-021418-MG-TP-27 2/14/2018 1.5 240 NA NA NA NA NA A <6.6 <9.9		<63.5		
S1135250-01-021418-MG-TP-28 2/14/2018 1.5 650 NA NA NA NA NA A 4.9 <9.7		<62.6		
S1135250-01-021418-MG-TP-29 2/14/2018 1.5 630 NA NA NA NA		<62.5		
S1135250-01-021418-MG-TP-30 2/14/2018 1.5 410 NA NA NA NA		<64.8 103		
31132250-1-42518-88-TP-32 4/25/2018 6.0 2/00 NA NA NA NA NA A 4.9 34		13		

Table 1

ETC Field Services LLC - 2C-14-3 10" Block Valve Section 24, Township 25 South, Range 37 East Lea County, New Mexico Soil Analytical Results Summary

Sample ID	Date	Sample Depth	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	ТРН	ТРН	ТРН	Total TPH	Field Screen - Chloride	Field Screen - Hydrocarbons
		(ft.)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	Ext DRO (28- C36)	GRO/DRO	(mg/kg)	(ppm)
									(mg/kg)	(<i>mg/kg</i>)	(mg/kg)	(mg/kg)		
NMOCD Remediation	on Action Levels		600	10	NE	NE	NE	50	NE	NE		1,000		-
S-11135250-01-080318-MG-SW-34-2	8/3/2018	2.0	170	NA	NA	NA	NA	NA	NA	NA	NA	NA		
S-11135250-01-080318-MG-SW-35-2	8/3/2018	2.0	130	NA	NA	NA	NA	NA	NA	NA	NA	NA		
S-11135250-01-080318-MG-SW-36-2	8/3/2018	2.0	140	NA	NA	NA	NA	NA	NA	NA	NA	NA		
S-11135250-01-080318-MG-SW-37-2	8/3/2018	2.0	130	NA	NA	NA	NA	NA	NA	NA	NA	NA		
S-11135250-01-080318-MG-SW-38-2	8/3/2018	2.0	160	NA	NA	NA	NA	NA	NA	NA	NA	NA		

Note: Concentrations that are bold exceed the NMOCD Remediation Action Level * Samples taken by ETC Field Services NE = Not Established NE = NOT Established mg/Kg = milligrams per Kilogram ppm = parts per million Chloride field screening performed with a Hach field test kit Hydrocarbons field screening performed with a Petroflag analyzer. NA-Not Analyzed Field screening only -- = Field screening not performed

Appendices

Appendix A Water Well Report

Page 1 of 1

2 6-14-3 10-1



9/27/17 9:34 AM

A VIA MATE

WATER COLUMN/ AVERAGE DEPTH TO WATER





National Water Information System: Web Interface

USGS Water Resources

USGS Home
Contact USGS
Search USGS

Geographic Area: Data Category: Groundwater ✓ G0

Click to hideNews Bulletins

Please see news on new formats • Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs

site_no list = • 320714103065701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320714103065701 25S.37E.13.43113

Lea County, New Mexico Latitude 32°07'14", Longitude 103°06'57" NAD27 Land-surface elevation 3,077 feet above NAVD88 The depth of the well is 120 feet below land surface. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer. **Output formats**

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1965-10-19		D	73.23			2		U		an a
1966-06-02		D	72.77			2		U		
1968-02-19		D	71.55			2		U		
1970-12-11		D	70.02			2		U		
19 76 -01-08		D	68,96			2		U		
1978-01 -1 7		D	68.82			2		U		
1981-03-30		D	71.06			2		U		
1981-04-30		D	71.43			2		U		

(Explanation
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	А	Approved for publication Processing and review completed.
		· · · · · · · · · · · · · · · · · · ·

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility Plug-Ins FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2017-03-06 18:05:46 EST 0.53 0.48 nadww02

https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=320714103065701&agency_cd=US... 3/6/2017

USA.gov

Appendix B Lab Reports



February 10, 2017 DEAN ERICSON ENERGY TRANSFER P. O. BOX 1226 JAL, NM 88252

RE: 10" BLOCK VALVE (BLOCKER)

Enclosed are the results of analyses for samples received by the laboratory on 02/03/17 11:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.tceg.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.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #1 1.5' (H700273-01)

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 02/05/2017 ND 2.19 110 2.00 0.345 Toluene* 5.29 0.500 02/05/2017 2.16 ND 108 2.00 0.631 Ethylbenzene* 8.97 0.500 02/05/2017 ND 2.17 108 2.00 0.194 **Total Xylenes*** 41.5 1.50 02/05/2017 ND 6.13 102 6.00 0.335 **Total BTEX** 55.8 3.00 02/05/2017 ND

Surrogate: 4-Bromofluorobenzene (PIE 117 % 73.6-140

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC				_		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	02/07/2017	ND	416	104	400	0.00		
TPH 8015M	mg	/kg	Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	884	50.0	02/04/2017	ND	195	97.4	200	10.3		
DRO >C10-C28	4360	50.0	02/04/2017	ND	209	105	200	13.9		
EXT DRO >C28-C36	1090	50.0	02/04/2017	ND						

Surrogate: 1-Chlorooctadecane 141 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for miny claim ansing, 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 whatsioneer 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 tonsequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subidianes, affiliates or successors ansing out of or related to the performance of the service, bureunder by Cardinal, regardless of whether such chain 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.

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	A REAL PROPERTY AND A REAL PROPERTY AND	

Sample ID: SAMPLE #2 1.5' (H700273-02) **BTEX 8021B**

BTEX 8021B	mg/kg			d By: MS				_	_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2017	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	02/05/2017	ND	2.16	108	2.00	0.631	
Ethylbenzene*	0.323	0.050	02/05/2017	ND	2.17	108	2.00	0.194	
Total Xylenes*	1.28	0.150	02/05/2017	ND	6.13	102	6.00	0.335	
Total BTEX	1.60	0.300	02/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE 120 % 73.6-140

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC				_		_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/07/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS	1	100			S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	69.2	50.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	7060	50.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	2140	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	102 9	6 35-147	111						
Surrogate: 1-Chlorooctadecane	195 9	6 28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	Construction of the provide of the st	

Sample ID: SAMPLE #3 3' (H700273-03)

BIEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/05/2017	ND	2.19	110	2.00	0.345	
Toluene*	5.25	0.500	02/05/2017	ND	2.16	108	2.00	0.631	
Ethylbenzene*	5.49	0.500	02/05/2017	ND	2.17	108	2.00	0.194	
Total Xylenes*	20.0	1.50	02/05/2017	ND	6.13	102	6.00	0.335	
Total BTEX	30.7	3.00	02/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE 107 % 73.6-140

Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC				_	_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	02/07/2017	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS		1		1.1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	909	50.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	2130	50.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	526	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	141	% 35-147							
		A							

Surrogate: 1-Chlorooctadecane 117 % 28-171

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	And the state of the state of the	

Sample ID: SAMPLE #4 1.5' (H700273-04)

BIEX BUZIB	mg,	/kg	Analyze	а ву: м5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	02/05/2017	ND	2.19	110	2.00	0.345		
Toluene*	1.02	0.500	02/05/2017	ND	2.16	108	2,00	0.631		
Ethylbenzene*	6,27	0.500	02/05/2017	ND	2.17	108	2.00	0.194		
Total Xylenes*	23.0	1.50	02/05/2017	ND	6.13	102	6.00	0.335		
Total BTEX	30,3	3.00	02/05/2017	ND						

ad Bu ME

Surrogate: 4-Bromofluorobenzene (PIE 115 % 73.6-140

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	02/07/2017	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS				1.1	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	746	50.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	4730	50.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	1390	50.0	02/04/2017	ND					

Surrogate: 1-Chlorooctadecane 153 % 28-171

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Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #5 1.5' (H700273-05)

BTEX 8021B mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery Benzene* < 0.050 0.050 02/05/2017 ND 2.19 2.00 110 0.345 Toluene* < 0.050 0.050 02/05/2017 ND 2.16 108 2.00 0.631 Ethylbenzene* <0.050 0.050 02/05/2017 2.17 ND 108 0.194 2.00 Total Xylenes* <0.150 0.150 02/05/2017 ND 6.13 102 6.00 0.335 Total BTEX <0.300 0.300 02/05/2017 ND

Surrogate: 4-Bromofluorobenzene (PIE 105 % 73.6-140

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC		_		-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	02/07/2017	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	<10.0	10.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	84.8	% 35-147							
8									

Surrogate: 1-Chlorooctadecane 92.0 % 28-171

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	A DESCRIPTION OF A DESC	

Sample ID: SAMPLE #6 4.5' (H700273-06)

BTEX 8021B mg/kg Analyzed By: MS Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 2.19 2.00 0.345 Benzene* < 0.050 0.050 02/05/2017 ND 110 Toluene* < 0.050 0.050 02/05/2017 ND 2.16 108 2.00 0.631 Ethylbenzene* < 0.050 0.050 02/05/2017 ND 2.17 108 2.00 0.194 Total Xylenes* <0.150 0.150 02/05/2017 ND 6.13 102 6.00 0.335 **Total BTEX** 0.300 02/05/2017 ND < 0.300

Surrogate: 4-Bromofluorobenzene (PIE 103 % 73.6-140

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	02/07/2017	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS	-02	1.11		1.1	11.1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	32.2	10.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	16.2	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	84.9	% 35-147							
Surrogate: 1-Chlorooctadecane	93.8	% 28-171	y						

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #7 1.5' (H700273-07)

BTEX 8021B Analyzed By: MS mg/kg True Value QC RPD Qualifier **Reporting Limit** Analyzed Method Blank BS % Recovery Analyte Result < 0.050 0.050 02/05/2017 2.00 0.345 Benzene* ND 2.19 110 Toluene* <0.050 0.050 02/05/2017 ND 2.16 108 2.00 0.631 Ethylbenzene* 2.17 < 0.050 0.050 02/05/2017 ND 108 2.00 0.194 **Total Xylenes*** 0.220 0.150 02/05/2017 ND 102 6.00 0.335 6.13 **Total BTEX** <0.300 0.300 02/05/2017 ND

Surrogate: 4-Bromofluorobenzene (PIE 116 % 73.6-140

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	02/07/2017	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	1180	50.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	474	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	82.6	% 35-147	,				_		

28-171

Surrogate: 1-Chlorooctadecane 95.4 %

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Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	A CONTRACT AND A CONTRACT AND A CONTRACT	

Sample ID: SAMPLE #8 1.5' (H700273-08)

BTEX 8021B	mg/k	9	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2017	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	02/05/2017	ND	2.16	108	2.00	0.631	
Ethylbenzene*	<0.050	0.050	02/05/2017	ND	2.17	108	2.00	0.194	
Total Xylenes*	<0.150	0.150	02/05/2017	ND	6.13	102	6.00	0.335	
Total BTEX	<0.300	0.300	02/05/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	73.6-14	o						
Chloride, SM4500Cl-B	mg/l	g	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	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	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	<10.0	10.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	82.5 %	35-147							
Surrogate: 1-Chlorooctadecane	90.2 %	28-171							

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DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	a construction and the second state	2.010.000.0000

Sample ID: SAMPLE #9 4.5' (H700273-09)

BTEX 8021B	mg/k	(g	Analyze	d By: MS		-			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2017	ND	2.19	110	2.00	0.345	
Toluene*	<0.050	0.050	02/05/2017	ND	2.16	108	2.00	0.631	
Ethylbenzene*	<0.050	0.050	02/05/2017	ND	2.17	108	2.00	0.194	
Total Xylenes*	0.312	0.150	02/05/2017	ND	6.13	102	6.00	0.335	
Total BTEX	0.312	0.300	02/05/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	73.6-140)						
Chloride, SM4500CI-B	mg/k	9	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS				100	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	183	10.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	70.4	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	85.3 %	35-147							
Surrogate: 1-Chlorooctadecane	94.6%	28-171							

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JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	prove a second contract	

Sample ID: SAMPLE #10 1.5' (H700273-10)

BTEX 8021B	B 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	02/05/2017	ND	2.19	110	2.00	0,345	
Toluene*	0.380	0.050	02/05/2017	ND	2.16	108	2.00	0.631	
Ethylbenzene*	0.204	0.050	02/05/2017	ND	2.17	108	2.00	0.194	
Total Xylenes*	0.593	0.150	02/05/2017	ND	6.13	102	6.00	0.335	
Total BTEX	1.18	0.300	02/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE 109 % 73.6-140

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19.8	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	413	10.0	02/04/2017	ND	205	103	200	9.93	QM-07, QR-03
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	88.7	% 35-147	,						

Surrogate: 1-Chlorooctadecane 116 % 28-171

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Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #11 1.5' (H700273-11)

Analyzed By: MS **BTEX 8021B** mg/kg Analyte Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene* < 0.050 0.050 02/05/2017 ND 2.19 110 2.00 0.345 Toluene* < 0.050 0.050 02/05/2017 ND 2.16 108 2.00 0.631 Ethylbenzene* <0.050 0.050 02/05/2017 ND 2.17 108 2.00 0.194 Total Xylenes* <0.150 0.150 02/05/2017 ND 6.13 102 6.00 0.335 Total BTEX < 0.300 0.300 02/05/2017 ND

Surrogate: 4-Bromofluorobenzene (PIL 104 % 73.6-140

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM	_		-		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	26.0	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	80.3	% 35-147	9						

Surrogate: 1-Chlorooctadecane 95.7% 28-171

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #12 4.5' (H700273-12)

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	02/05/2017	ND	2.19	110	2.00	0.345	
Toluene*	0.151	0.050	02/05/2017	ND	2.16	108	2.00	0.631	
Ethylbenzene*	0.228	0.050	02/05/2017	ND	2.17	108	2.00	0.194	
Total Xylenes*	1.15	0.150	02/05/2017	ND	6.13	102	6.00	0.335	
Total BTEX	1.53	0.300	02/05/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL 113 % 73.6-140

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: HM				_	_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	22.4	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	284	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	85.8	% 35-147							
and a state of the dataset of the party of									

28-171

Surrogate: 1-Chlorooctadecane 109 %

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

02/03/2017	Sampling Date:	02/03/2017
02/10/2017	Sampling Type:	Soil
10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
2C - 14-13	Sample Received By:	Jodi Henson
NONE GIVEN		
	02/10/2017 10" BLOCK VALVE (BLOCKER) 2C - 14-13	02/10/2017Sampling Type:10" BLOCK VALVE (BLOCKER)Sampling Condition:2C - 14-13Sample Received By:

Sample ID: SAMPLE #13 1.5' (H700273-13)

BTEX 8021B	mg	/kg	Analyze	d By: MS	_		and the second se	C		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.921	0.100	02/07/2017	ND	2.18	109	2.00	0.505	QM-07	
Toluene*	7.12	0.100	02/07/2017	ND	2.15	108	2.00	0.763	QM-07	
Ethylbenzene*	1.75	0.100	02/07/2017	ND	2.15	108	2.00	0.169	QM-07	
Total Xylenes*	6.25	0.300	02/07/2017	ND	6.07	101	6.00	0.0884	QM-07	
Total BTEX	16.0	0.600	02/07/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL 114 % 73.6-140

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM		_			_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS				- Notes	_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	213	50.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	811	50.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<50.0	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	92.8	% 35-147		_					

Surrogate: 1-Chlorooctadecane 142 % 28-171

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Fax To:
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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #14 1.5' (H700273-14)

BTEX 8021B	mg/k	9	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	<0.150	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	<0.300	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 %	73.6-140							
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	9	Analyze	d By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	77.6	50.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<50.0	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	71.2%	35-147	(
Surrogate: 1-Chlorooctadecane	106 %	28-171							

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	Contraction Contraction of Action	

Sample ID: SAMPLE #15 4.5' (H700273-15)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	0.082	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	0.604	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	0.687	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	73.6-140	2						
Chloride, SM4500CI-B	mg/k	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	591	50.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<50.0	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	84.8 %	35-147	-						
Surrogate: 1-Chlorooctadecane	113 %	28-171							

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02/03/2017	Sampling Date:	02/03/2017
02/10/2017	Sampling Type:	Soil
10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
2C - 14-13	Sample Received By:	Jodi Henson
NONE GIVEN		
	02/10/2017 10" BLOCK VALVE (BLOCKER) 2C - 14-13	02/10/2017Sampling Type:10" BLOCK VALVE (BLOCKER)Sampling Condition:2C - 14-13Sample Received By:

Sample ID: SAMPLE #16 1.5' (H700273-16)

BTEX 8021B Analyzed By: MS mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 0.505 Benzene* < 0.050 0.050 02/07/2017 ND 2.18 109 2.00 2.15 108 2.00 0.763 0.050 02/07/2017 ND Toluene* < 0.050 0.091 02/07/2017 ND 2.15 108 2.00 0.169 Ethylbenzene* 0.050 Total Xylenes* 0.444 0.150 02/07/2017 ND 6.07 101 6.00 0.0884 ND **Total BTEX** 0.300 02/07/2017 0.535

Surrogate: 4-Bromofluorobenzene (PIL 113% 73.6-140

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	1630	50.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<50.0	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	83.3	% 35-147	· (
Surrogate: 1-Chlorooctadecane	166	% 28-171							

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JAL NM, 88252	
Fax To:	

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #17 1.5' (H700273-17)

BTEX 8021B mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Benzene* <0.050 0.050 02/07/2017 ND 2.18 109 2.00 0.505 Toluene* < 0.050 0.050 02/07/2017 2.15 108 2.00 0.763 ND ND 108 Ethylbenzene* <0.050 0.050 02/07/2017 2.15 2.00 0.169 Total Xylenes* <0.150 0.150 02/07/2017 ND 6.07 101 6.00 0.0884 Total BTEX <0.300 0.300 02/07/2017 ND

Surrogate: 4-Bromofluorobenzene (PIE 104 % 73,6-140

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	<10.0	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	79.5	% 35-147	,						

Surrogate: 1-Chlorooctadecane 99.8 % 28-171

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Qualifier

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Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #18 4.5' (H700273-18)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	0.188	0.100	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.100	0.100	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	5.52	0.300	02/07/2017	ND	6.07	101	6,00	0.0884	
Total BTEX	5.71	0.600	02/07/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL 135 % 73.6-140

Chloride, SM4500Cl-B	mg.	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS		- 43 <u>.</u>				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	208	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	1190	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					

Surrogate: 1-Chlorooctadecane 136 % 28-171

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #19 1.5' (H700273-19)

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 02/07/2017 ND 2.18 109 2.00 0.505 Toluene* <0.050 0.050 02/07/2017 ND 2.15 108 2.00 0.763 Ethylbenzene* < 0.050 0.050 02/07/2017 ND 2.15 108 2.00 0.169 **Total Xylenes*** 0.291 0.150 02/07/2017 ND 6.07 101 6.00 0.0884 Total BTEX < 0.300 0.300 02/07/2017 ND

Surrogate: 4-Bromofluorobenzene (PIL 110 % 73.6-140

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS				141		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12.3	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	1080	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	84.3	% 35-147							

28-171

Surrogate: 1-Chlorooctadecane 117 %

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		
Magazina a serie artist			

Sample ID: SAMPLE #20 1.5' (H700273-20)

BTEX 8021B Analyzed By: MS mg/kg True Value QC RPD Qualifier Method Blank BS Analyte Result Reporting Limit Analyzed % Recovery 2.00 0.505 02/07/2017 109 < 0.050 0.050 ND 2.18 Benzene* 02/07/2017 2.15 108 2.00 0.763 Toluene* < 0.050 0.050 ND 2.00 0.169 Ethylbenzene* < 0.050 0.050 02/07/2017 ND 2.15 108 6.00 0.0884 **Total Xylenes*** 02/07/2017 6.07 101 0.841 0.150 ND **Total BTEX** 0.841 0.300 02/07/2017 ND

Surrogate: 4-Bromofluorobenzene (PIE 136 % 73.6-140

Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS		lege Martin			_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	60.1	50.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	1720	50.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<50.0	50,0	02/04/2017	ND					

Surrogate: 1-Chlorooctadecane 128 % 28-171

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02/03/2017	Sampling Date:	02/03/2017
02/10/2017	Sampling Type:	Soil
10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
2C - 14-13	Sample Received By:	Jodi Henson
NONE GIVEN		
	02/10/2017 10" BLOCK VALVE (BLOCKER) 2C - 14-13	02/10/2017Sampling Type:10" BLOCK VALVE (BLOCKER)Sampling Condition:2C - 14-13Sample Received By:

Sample ID: SAMPLE #21 4.5' (H700273-21)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	0.225	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	2.39	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	2.61	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	137 %	73.6-140	0	6 A A					
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM					_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	110	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	1570	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	107 %	35-147							
Surrogate: 1-Chlorooctadecane	123 %	28-171							

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Celler Zationa -



ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #22 1.5' (H700273-22)

BTEX 8021B	mg/k	9	Analyze	d By: MS	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	<0.150	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	<0.300	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIC	121 %	73.6-140	0						
Chloride, SM4500Cl-B	mg/k	9	Analyze	d By: HM	_	_	_		_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS		1.			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10,0	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	746	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	65.4 %	5 35-147							
Surrogate: 1-Chlorooctadecane	103 %	28-171							

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Colory Z. Frinner



ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soll
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #23 1.5' (H700273-23)

BTEX 8021B	mg/l	9	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	<0.100	0.100	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.100	0.100	02/07/2017	ND	2.15	108	2.00	0.169	
Fotal Xylenes*	0.923	0.300	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	0.923	0.600	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	144 %	5 73.6-140	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM					_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS				1.1.1.1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	161	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	2600	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	122 %	35-147							
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Celez Z. tranne -



ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		
Contraction Contraction Contraction			

Sample ID: SAMPLE #24 4.5' (H700273-24)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	1.92	1.00	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<1.00	1.00	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	57.8	3.00	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	59.7	6.00	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	114 %	73.6-140)						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM		_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS		-			5-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1670	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	4080	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	197 %	35-147	1						
Surrogate: 1-Chlorooctadecane	165 %	28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #25 1.5' (H700273-25)

BTEX 8021B	mg/k	g	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.088	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	3.40	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	3.45	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	11.9	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	18.9	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIE	173%	73.6-140)						
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	91.2	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	1220	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	92.9 %	6 35-147	3						
Surrogate: 1-Chlorooctadecane	125 %	28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	Annual address of proceeding from the first of	

Sample ID: SAMPLE #26 1.5' (H700273-26)

mg/l	(g	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.200	0.200	02/07/2017	ND	2.18	109	2.00	0.505	
4.76	0.200	02/07/2017	ND	2.15	108	2.00	0.763	
5.46	0.200	02/07/2017	ND	2.15	108	2.00	0.169	
33.2	0.600	02/07/2017	ND	6.07	101	6.00	0.0884	
43.4	1.20	02/07/2017	ND					
134 %	73.6-140)	19. AN 19.					
mg/k	g	Analyze	d By: HM	_				-
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
128	16.0	02/08/2017	ND	432	108	400	0.00	
mg/k	g	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
483	10.0	02/04/2017	ND	191	95.6	200	4.89	
1930	10.0	02/04/2017	ND	205	103	200	9.93	
<10.0	10.0	02/04/2017	ND					
122 %	35-147							
123 %	28-171							
	Result <0.200 4.76 5.46 33.2 43.4 /34 % mg/k Result 128 mg/k Result 483 1930 <10.0	Result Reporting Limit <0.200	Result Reporting Limit Analyzed <0.200	Result Reporting Limit Analyzed Method Blank <0.200	Result Reporting Limit Analyzed Method Blank BS <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.200

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intac
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #27 4.5' (H700273-27)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	12.6	1.00	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	22.1	1.00	02/07/2017	ND	2.15	108	2.00	0,169	
Total Xylenes*	97.1	3.00	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	132	6.00	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 %	5 73.6-14	0	111					
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS				_	S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1760	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	3800	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	218%	6 35-147							
Surrogate: 1-Chlorooctadecane	164%	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #28 1.5' (H700273-28)

BTEX 8021B	mg/k	g	Analyze	d By: MS		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	<0.150	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	<0.300	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	73.6-140	1						
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	02/08/2017	ND	432	108	400	0.00	QM-07
ТРН 8015М	mg/k	g	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	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	13.7	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	83.6%	6 35-147							
Surrogate: 1-Chlorooctadecane	101 %	28-171							

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ENERGY TRAN	SFER
DEAN ERICSO	N
P. O. BOX 122	26
JAL NM, 8825	2
Fax To:	

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intac
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #29 4.5' (H700273-29)

BTEX 8021B	mg/l	(g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.18	109	2.00	0.505	
Toluene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	<0.150	0.150	02/07/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	<0,300	0.300	02/07/2017	ND					
Surrogate; 4-Bromofluorobenzene (PIE	105 %	5. 73.6-140						-	
Chloride, SM4500Cl-B	mg/l	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	g	Analyze	d By: MS			1. an 1. 2. 1. an	100 A	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/04/2017	ND	191	95.6	200	4.89	
DRO >C10-C28	<10.0	10.0	02/04/2017	ND	205	103	200	9.93	
EXT DRO >C28-C36	<10.0	10.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	79.1 %	6 35-147							
Surrogate: 1-Chlorooctadecane	95.0%	6 28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #30 4.5' (H700273-30)

BTEX 8021B Analyzed By: MS mg/kg **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Result Analyte < 0.050 0.050 02/07/2017 ND 2.18 109 2.00 0.505 Benzene* 0.763 2.00 Toluene* < 0.050 0.050 02/07/2017 ND 2.15 108 0.169 2.15 108 2.00 < 0.050 0.050 02/07/2017 ND Ethylbenzene* 6.07 101 6.00 0.0884 Total Xylenes* 0.150 02/07/2017 ND <0.150 02/07/2017 Total BTEX < 0.300 0.300 ND

Surrogate: 4-Bromofluorobenzene (PIL 104 % 73.6-140

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg.	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/03/2017	ND	171	85.3	200	0.147	
DRO >C10-C28	<10.0	10.0	02/03/2017	ND	173	86.6	200	5.47	
EXT DRO >C28-C36	<10.0	10.0	02/03/2017	ND					
Surrogate: 1-Chlorooctane	81.4	% 35-147	,						

Surrogate: 1-Chlorooctadecane 98.6% 28-171

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
C.C.M. (27) 3 (2 (3 (Cool & Intact
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #31 4.5' (H700273-31)

BTEX 8021B	mg/k	9	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	13.5	5.00	02/08/2017	ND	2.18	109	2.00	0.505	
Toluene*	170	5.00	02/08/2017	ND	2.15	108	2.00	0.763	
Ethylbenzene*	135	5.00	02/08/2017	ND	2.15	108	2.00	0.169	
Total Xylenes*	381	15.0	02/08/2017	ND	6.07	101	6.00	0.0884	
Total BTEX	700	30.0	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113 %	73,6-140)						
Chloride, SM4500Cl-B	mg/l	g	Analyze	d By: HM	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10400	50.0	02/04/2017	ND	195	97.4	200	10.3	
DRO >C10-C28	21100	50.0	02/04/2017	ND	209	105	200	13.9	
EXT DRO >C28-C36	5460	50.0	02/04/2017	ND					
Surrogate: 1-Chlorooctane	326 %	35-147	1	-					
Surrogate: 1-Chlorooctadecane	336 %	28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #32 4.5' (H700273-32)

BTEX 8021B	mg/k	g	Analyze	d By: MS	_				_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	<0.050	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0.300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	73.6-140	7	1.11					
Chloride, SM4500Cl-B	mg/k	9	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	9	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	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	<10.0	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	81.3 %	6 35-147	0						
Surrogate: 1-Chlorooctadecane	93.2 %	6 28-171							

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	and the construction of the	

Sample ID: SAMPLE #33 6' (H700273-33)

BTEX 8021B	mg/k	(g	Analyze	d By: MS					-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	18.2	2.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	47.5	2.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	167	6.00	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	233	12.0	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	114 %	73.6-14	0	1.1					
Chloride, SM4500Cl-B	mg/l	g	Analyze	d By: HM	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	9	Analyze	d By: MS				10.000	S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3340	10.0	02/06/2017	ND	186	93.1	200	0,568	
DRO >C10-C28	4030	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	1680	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	155 %	35-147	1						
Surrogate: 1-Chlorooctadecane	142 %	28-171							

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #34 4.5' (H700273-34)

BTEX 8021B	mg/k	g	Analyze	d By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	<0.050	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0.300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106%	73.6-14	0	100					
Chloride, SM4500Cl-B	mg/l	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	g	Analyze	d By: MS		62 a 24		_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	45.2	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	26.1	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	79.3 9	6 35-147							
Surrogate: 1-Chlorooctadecane	86.3 9	6 28-171	S						

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		
Contra Provincia de			

Sample ID: SAMPLE #35 6' (H700273-35)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	19.8	5.00	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	215	5.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	88.7	5.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	385	15.0	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	708	30.0	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	73,6-140	2						
Chloride, SM4500CI-B	mg/k	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS				-	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	8360	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	6960	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	1960	50.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	215 %	35-147	(
Surrogate: 1-Chlorooctadecane	153 %	28-171							

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #36 6' (H700273-36)

BTEX 8021B	mg/k	9	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.77	2.00	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	48.0	2.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	38.0	2.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	173	6.00	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	262	12.0	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	114%	73.6-14	2						
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM				-	-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS				1	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3530	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	6820	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	1950	50.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	184 %	5 35-147	4						
Surrogate: 1-Chlorooctadecane	164 %	28-171							

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Celey D. Keene, Lab Director/Quality Manager

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intac
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	and the second second	

Sample ID: SAMPLE #37 4.5' (H700273-37)

BTEX 8021B	mg/k	(g	Analyze	d By: MS	20			_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	17.1	10.0	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	220	10.0	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	128	10.0	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	423	30.0	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	789	60.0	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	73.6-140	9	2					-
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS			-		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10600	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	18600	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	5230	50.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	312%	35-147	(
Surrogate: 1-Chlorooctadecane	305 %	28-171							

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ENERGY	TRANSFER
DEAN ER	RICSON
P. O. BC	X 1226
JAL NM,	88252
Fax To:	

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #38 6' (H700273-38)

BTEX 8021B	mg/l	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	10.4	5.00	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	177	5.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	71.6	5.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	289	15.0	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	548	30.0	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIE	110 %	5 73.6-14	o						
Chloride, SM4500CI-B	mg/l	(g	Analyze	d By: HM		_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS			_		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5740	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	4230	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	893	50.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	161 %	6 35-147							
Surrogate: 1-Chlorooctadecane	128 %	6 28-171							

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #39 6' (H700273-39)

BTEX 8021B	mg	/kg	Analyze	d By: MS				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	11.1	1.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	16.2	1.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	70.1	3.00	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	97.4	6.00	02/08/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL 114 % 73.6-140

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1460	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	4570	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	1350	50.0	02/06/2017	ND					

Surrogate: 1-Chlorooctadecane 151% 28-171

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #40 6' (H700273-40)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	02/08/2017	ND	2.00	99.9	2.00	3,84	
Toluene*	5.74	2.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	14.9	2.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	95.0	6.00	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	116	12.0	02/08/2017	ND					

112 % 73.6-140 Surrogate: 4-Bromofluorobenzene (PIL

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS				1	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2220	50.0	02/06/2017	ND	186	93,1	200	0.568	
DRO >C10-C28	4330	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	1670	50.0	02/06/2017	ND		100			-
Surrogate: 1-Chlorooctane	161 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	130 5	28-171							

130 % Surrogate: 1-Chlorooctadecane

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JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #41 6' (H700273-41)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	1.42	1.00	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	5.21	1.00	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	36.9	3.00	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	43.5	6.00	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	116 %	73.6-140	2	S. S					
Chloride, SM4500CI-B	mg/l	g	Analyze	d By: HM	_				_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1000	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	3670	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	1530	50.0	02/06/2017	ND				1992	
Surrogate: 1-Chlorooctane	144 %	5 35-147							
Surrogate: 1-Chlorooctadecane	140 %	28-171							

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JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #42 6' (H700273-42)

BTEX 8021B	mg/k	9	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	02/08/2017	ND	2.00	99.9	2.00	3.84		
Toluene*	5.58	1.00	02/08/2017	ND	1.96	98.0	2.00	4.14		
Ethylbenzene*	30.1	1.00	02/08/2017	ND	1.95	97.6	2.00	3,96		
Total Xylenes*	123	3.00	02/08/2017	ND	5.53	92.2	6.00	3.64		
Total BTEX	159	6.00	02/08/2017	ND						
Surrogate: 4-Bromofluorobenzene (PID	116%	73.6-14	0	1.00						
Chloride, SM4500Cl-B	mg/l	g	Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	02/08/2017	ND	432	108	400	0.00		
TPH 8015M	mg/l	g	Analyze	lyzed By: MS				100	S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1730	50.0	02/06/2017	ND	186	93.1	200	0.568		
DRO >C10-C28	5500	50.0	02/06/2017	ND	200	99.9	200	0.657		
EXT DRO >C28-C36	1910	50.0	02/06/2017	ND				1.1		
Surrogate: 1-Chlorooctane	158 %	5 35-147	6							
Surrogate: 1-Chlorooctadecane	171 %	5 28-171	e							

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #43 4.5' (H700273-43)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	<0.050	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0.300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 %	73 6-140)	10					
Chloride, SM4500Cl-B	mg/k	9	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS			1000	10.0	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	21.8	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	14.3	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	78.3 %	5 35-147			-				
Surrogate: 1-Chlorooctadecane	86.1 %	28-171							

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	CONTRACTORY PART CARD	

Sample ID: SAMPLE #44 SURFACE (H700273-44)

BTEX 8021B	mg/k	9	Analyze	d By: MS	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	0.364	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	0.122	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	0.517	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	1.04	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	73.6-14	0	100					
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	(g	Analyze	d By: MS	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	1100	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	354	50.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	75.3 %	6 35-147							
Surrogate: 1-Chlorooctadecane	103 %	28-171	4						

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Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN	and a second	

Sample ID: SAMPLE #45 SURFACE (H700273-45)

BTEX 8021B	mg/l	(g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	1. T. C. A.
Toluene*	0.131	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0,300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIE	105 %	73.6-140	0	1.10					
Chloride, SM4500Cl-B	mg/H	g	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/k	g	Analyzed By: MS			_			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	478	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	288	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	70.0 %	6 35-147							
Surrogate: 1-Chlorooctadecane	89.3 %	6 28-171							

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Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		
and the second state of th			

Sample ID: SAMPLE #46 SURFACE (H700273-46)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	<0.050	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0.300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 %	73.6-140							
Chloride, SM4500Cl-B	mg/k	g	Analyze	d By: HM					
Analista	Decult	Paparting Limit	Applyzed	Method Blank	RS	% Recovery	True Value OC	RPD	Qualifier

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride TPH 8015M	944	16.0	02/08/2017	ND	432	108	400	0.00	
	mg	/kg	Analyzed By: MS						_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	10.3	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	10.2	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	82.4	% 35-147						_	

Surrogate: 1-Chlorooctadecane 88.4 % 28-171

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JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		
A CONTRACTOR OF A DESCRIPTION			

Sample ID: SAMPLE #47 SURFACE (H700273-47)

BTEX 8021B	mg/k	g	Analyze	d By: MS					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	<0.500	0.500	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.500	0.500	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	14.1	1.50	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	14.1	3.00	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117 %	73.6-140)	6					
Chloride, SM4500CI-B	mg/l	g	Analyzed By: HM						_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	02/08/2017	ND	432	108	400	0.00	
TPH 8015M	mg/l	g	Analyzed By: MS		1.1.1		2 - 1 - 1		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	659	50.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	7090	50.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	2460	50.0	02/06/2017	ND					
Surrogate: 1-Chloroactane	133 %	5 35-147	1						
Surrogate: 1-Chlorooctadecane	185 %	5 28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #48 SURFACE (H700273-48)

BTEX 8021B mg/kg Analyzed By: MS True Value QC RPD Qualifier BS % Recovery Analyzed Method Blank Analyte Result **Reporting Limit** 2.00 3.84 02/08/2017 2.00 99.9 < 0.050 0.050 ND Benzene* <0.050 ND 1.96 98.0 2.00 4.14 0.050 02/08/2017 Toluene* 97.6 2.00 3.96 Ethylbenzene* < 0.050 0.050 02/08/2017 ND 1.95 3.64 02/08/2017 ND 5.53 92.2 6.00 **Total Xylenes*** 0.194 0.150 Total BTEX <0.300 0.300 02/08/2017 ND Surrogate: 4-Bromofluorobensene (PIL 110% 73.6-140 Analyzed By: AC Chloride, SM4500CI-B mg/kg Result **Reporting Limit** Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Analyte 432 QM-07, QR-03 Chloride 448 16.0 02/09/2017 ND 108 400 3.64 Analyzed By: MS **TPH 8015M** mg/kg Reporting Limit RPD Analyte Result Analyzed Method Blank BS % Recovery True Value QC Qualifier 10.0 02/06/2017 ND 186 93.1 200 0.568 GRO C6-C10 11.3 ND 200 99.9 200 0.657 DRO >C10-C28 720 10.0 02/06/2017 EXT DRO >C28-C36 251 10.0 02/06/2017 ND 88.3 % 35-147 Surrogate: 1-Chlorooctane 98.9% 28-171 Surrogate: 1-Chlorooctadecane

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soll
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #49 SURFACE (H700273-49)

BTEX 8021B	mg/k	9	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	<0.050	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0.300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	73.6-140	9						
Chloride, SM4500Cl-B	mg/k	g	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/09/2017	ND	432	108	400	3.64	
TPH 8015M	mg/k	g	Analyze	d By: MS			11.15		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	77.9	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	42.0	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	79.6 %	6 35-147	A L						
Surrogate: 1-Chlorooctadecane	84.3 %	6 28-171							

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

			and start attain a los
Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soll
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #50 SURFACE (H700273-50)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/08/2017	ND	2.00	99.9	2.00	3.84	
Toluene*	0.050	0.050	02/08/2017	ND	1.96	98.0	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/08/2017	ND	1.95	97.6	2.00	3.96	
Total Xylenes*	<0.150	0.150	02/08/2017	ND	5.53	92.2	6.00	3.64	
Total BTEX	<0,300	0.300	02/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 %	73.6-14	2						
Chloride, SM4500Cl-B	mg/k	g	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	02/09/2017	ND	432	108	400	3.64	
TPH 8015M	mg/k	g	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	<10.0	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	83.4 %	6 35-147							
Surrogate: 1-Chlorooctadecane	92.6 %	6 28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

02/03/2017	Sampling Date:	02/03/2017
02/10/2017	Sampling Type:	Soil
10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intact
2C - 14-13	Sample Received By:	Jodi Henson
NONE GIVEN		
	02/10/2017 10" BLOCK VALVE (BLOCKER) 2C - 14-13	02/10/2017Sampling Type:10" BLOCK VALVE (BLOCKER)Sampling Condition:2C - 14-13Sample Received By:

Sample ID: SAMPLE #51 SURFACE (H700273-51)

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	02/09/2017	ND	2.11	106	2.00	0.803	
Toluene*	<0.050	0.050	02/09/2017	ND	2.08	104	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/09/2017	ND	2.10	105	2.00	1.11	
Total Xylenes*	<0.150	0.150	02/09/2017	ND	5.94	99.0	6.00	1.22	
Total BTEX	<0.300	0.300	02/09/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	73.6-140)						
Chloride, SM4500CI-B	mg/k	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/09/2017	ND	432	108	400	3.64	
TPH 8015M	mg/k	g	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	186	93.1	200	0.568	
DRO >C10-C28	<10.0	10.0	02/06/2017	ND	200	99.9	200	0.657	
EXT DRO >C28-C36	<10.0	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	79.2 %	35-147							
Surrogate: 1-Chlorooctadecane	88.6 %	28-171							

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ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intac
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #52 SURFACE (H700273-52)

BTEX 8021B	mg/k	g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.22	111	2.00	1.91	
Toluene*	<0.050	0.050	02/07/2017	ND	2.20	110	2.00	1.57	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.19	109	2.00	1.31	
Total Xylenes*	<0.150	0.150	02/07/2017	ND	6.18	103	6.00	1.32	
Total BTEX	<0.300	0.300	02/07/2017	ND				64	
Surrogate: 4-Bromofluorobenzene (PIL	103 %	5 73.6-140	1						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC		_			_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/09/2017	ND	432	108	400	3.64	
TPH 8015M	mg/l	(g	Analyze	d By: MS		1.11			_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/06/2017	ND	189	94,4	200	0.373	
DRO >C10-C28	<10.0	10.0	02/06/2017	ND	205	103	200	1.32	
EXT DRO >C28-C36	<10.0	10.0	02/06/2017	ND					
Surrogate: 1-Chlorooctane	85.0%	6 35-147							
Surrogate: 1-Chlorooctadecane	92.4 %	6 28-171							

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ENERGY TRANSFER
DEAN ERICSON
P. O. BOX 1226
JAL NM, 88252
Fax To:

Received:	02/03/2017	Sampling Date:	02/03/2017
Reported:	02/10/2017	Sampling Type:	Soil
Project Name:	10" BLOCK VALVE (BLOCKER)	Sampling Condition:	Cool & Intac
Project Number:	2C - 14-13	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SAMPLE #53 SURFACE (H700273-53)

BTEX 8021B	mg/k	9	Analyze	d By: MS	-				S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/07/2017	ND	2.22	111	2.00	1.91	
Toluene*	0.287	0.050	02/07/2017	ND	2.20	110	2,00	1.57	
Ethylbenzene*	<0.050	0.050	02/07/2017	ND	2.19	109	2.00	1.31	
Total Xylenes*	6.27	0.150	02/07/2017	ND	6.18	103	6.00	1.32	
Total BTEX	6.56	0.300	02/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	157 %	73.6-140)						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/09/2017	ND	432	108	400	3.64	
TPH 8015M	mg/k	g	Analyze	d By: MS		1.1			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	123	50.0	02/06/2017	ND	189	94.4	200	0.373	
DRO >C10-C28	1180	50.0	02/06/2017	ND	205	103	200	1.32	
EXT DRO >C28-C36	447	50.0	02/06/2017	ND					
Surrogate; 1-Chlorooctane	88.6 %	6 35-147	1						
Surrogate: 1-Chlorooctadecane	107 %	28-171							

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

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.
	QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
	QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
	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.
	Q	Chloride by SM4500CI-B does not require samples be received at or below 6°C
		Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 56 of 61

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Company Name: Pure True Tours For	THUSE	BILL TO	ANALYSIS REQUEST
	Clicson	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #	Address:	
Project #:	Project Owner:	City:	
ame: O"Block	Value (Blocker)	State: Zip:	
on: 20-14-2		Phone #:	
1	2. Bring	Fax #:	
FOR LAB USE DALY		PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE ICE / COOL OTHER : DATE	TPH CL BTX
Sample	11 1/2:	2-3-17 8145m	
	15431 16-12-12-12-12-12-12-12-12-12-12-12-12-12-		
	17 1/2		
nd Damages, Cardinal's lat ng troase for negligence and ardinal be liable for moden	eoj to any daim areing wietner based é snall be deemed waved unless made in v including without limitation, quainess rout	numbach tor Jon, shall be limited to the amount paud by the client for the news and networked by Cantonal within 30 days after completion of the applicable updows, how of use, or loss of profits incurred by plant its subsidiaries.	v the The applicable ares.
Relinquished By: Relinquished By: Relinquished By:	Date: Date: 2-3-(7) Time: Date: Date: Received By: Date: Time:	The access of the source states of the source state	isult: [] Yes [] No Add'I Phone #: It: [] Yes [] No Add'I Fax #: S: Olecul
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	#15 1.70 Sample Condition	ndition CHECKED BY:	Johnnik

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

N Laboratories

Page 57 of 61

Company Name:	ENERY Trees to		BILL TO			ANALYSIS REQUEST
Project Manager:	1		P.O. #:			
Address:			Company:			
City:	State:	Zip:	Attn:			
Phone #:	Fax #:		Address:		_	
Project #:	Project Owner:	ar.	City:			
Project Name: (0"	"Block Value (B)	Blocker)	State: Zip:			
Project Location:	1-3		Phone #:			
Sampler Name:	Tyles R. Brinnes		Fax #:			
FOR LAB USE DNLY		P. MATRIX	PRESERV. SAMPLING	ING		
Lab I.D. H100213	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE ICE / COOL OTHER : DATE	TIME	BTX	
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200	T L					
229	#28 1 224					
B-0	+ #30 41/2"					
Insisten Al clama, including trose in anyose. In no event shall Caldmail to	si y che cause whithoever or consequental damages.	out Imtation business inter-	tiong and necessed by Calobial white 30 days after completion of the applicable prioria, bas of use, of bass of profits incurried by client, its subsidiaries,	after completion of the applicate by client, its subsidiaries,	F	
Relinquished By:	Time 1: the performance of securice to Date: Date: Date:	Received By:	The based upper any of the above states resourts or otherases Phone Ress Fax Result REMARKS		□ Yes □ No	Add'l Phone #: Add'l Fax #:
	Time:					
Delivered By: (Circle One)	ircle One)	Sample Condition	Ition CHECKED BY:			

Pag

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Page 58 of 61

CARDINAL Laboratories

Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	Relinquished By:	PLEASE MOTE: Laukty and Dama analyses. As claims, including those vervice, in no event shall Cavalinal b atflates or successors anteno out of	40	24	35	R	24	13	and and	et a	X IC.		Lab I.D.	FOR LAB USE DWLY	Sampler Name:	S L	Project Name: 10	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:	101	Lat	Ch
er - UPS - Bus - Other: #75 1.72 Cool Intact	Date: Time:	Date: 2-3- Timp:]:1	mages. Cardinal's lability and client's estuivave ten age for negligence and any other cause webbievers at be labe tor incolental si consequential damages, at be readed to the periormance of services hereion	- # to 0'	#39 6 '	+38 6.	#37 + 12 H	471 5-	#31 10	The set	1 2 2 # 2 # 2 # 2 # 2 # 2 # 2 # 2 # 2 #	H 10	01 .1	Sample I.D.		6	C-14-3	te that was (Project Owner:	Fax #:	State:		M	Ewogy Trausta	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	boratories	RDIN
1.10 Sample Condition Cool Intact	Received By:	17 Received By:	soy for any claim anising whether based is on Insal be deemed waived unless made in virtu- nouvoing without limitation, business interfug der by Cardinal inegardiess of whether such .	1-									* 0 / 2	G)RAB OR (C)OMP ≇ CONTAINERS GROUNDWATER WASTEWATER SOIL SIL	MATRIX	L		RINCKER	wner:		Zip:				88240 -2476	, ies	AL
No CHECKED BY:		Henson	virtuad or tort, shall be limited to the amount pu- ng and received by Cardinal women 30 days at tome, ices of use, or less of profits incumed by dam is based upph any of the above stated h	t								0-01		SLUDGE DTHER : ACID/BASE CE / COOL DTHER :	PRESERV. SAMPLING	Fax #:	#	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO			
		Phone Result: Ves No Ac Fax Result: Yes No Ac REMARKS:	rat para or y the cleant for the rat after completion of the applicable no by cleant to subactaines, and reasons or otherward.	1 + 1 - 1								1 1 1 1		TPH CL BTx	ING									AN		CHAIN-OF-CUSTODY A	
		Add'I Pho <u>ne</u> #: Add'I Fax #:																						ANALYSIS REQUEST		TODY AND ANALYSIS REQUEST	



Page 60 of 61

Company Name: EL200LH Sampler Name: Project Name: Phone #: City: Project Manager: Project Location: Project #: Address: Relinquished By: **Relinquished By** analyses. All dama: including those service: In no event shall Caroinal o Sampler - UPS - Bus - Other: Delivered By: (Circle One) Lab I.D. FOR LAB USE ONEY 0 ann lo " 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Surp CWUGY Inustre Jecan 2 (-14-13 Block Sample I.D. 5 ++52 H#53 #51 E ric Sow Value (Blocker Fax #: Project Owner: Time:4 State: Date Time: Swhee Date JAINC JW FLCC Shaa be dee Zip Received By: 1.70 (G)RAB OR (C)OMP # CONTAINERS ceived By: GROUNDWATER Cool Intact Cool Intact No No No WASTEWATER . MATRIX SOIL OIL End and lecened pr SLUDGE City: State: Phone #: Attn: Company: loss of use, or t Fax #: P.O. #: OTHER Address: ACID/BASE PRESERV CHECKED BY: ICE / COOL 「日日日 BILL TO OTHER PLOUR S No. Zip DATE 1-2-17 SAMPLING 30 days 日日日の日日の日日日 and the CHAIN-OF-CUSTODY AND ANALYSIS REQUEST G:45k Phone Result: Fax Result: REMARKS: TIME ton of the act TPH Call Call □ Yes (C BTX O No ANALYSIS REQUEST Add'l Phone #: Add'l Fax #:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393 326

Page 61 of 61

CARDINAL Laboratories



April 11, 2017

BERNARD BUCKISCH GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE, NM 87110

RE: 2C - 14 - 3 10"

Enclosed are the results of analyses for samples received by the laboratory on 03/29/17 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110	Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:	Reported: 11-Apr-17 11:57
---	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1113520-1-032817-TP-1-14'	H700827-01	Soil	28-Mar-17 11:40	29-Mar-17 14:15
S-1113520-1-032817-TP-2-8'	H700827-02	Soil	28-Mar-17 10:55	29-Mar-17 14:15
S-1113520-1-032817-TP-3-8'	H700827-03	Soil	28-Mar-17 12:10	29-Mar-17 14:15
S-1113520-1-032817-TP-5-4'	H700827-04	Soil	28-Mar-17 13:00	29-Mar-17 14:15
S-1113520-1-032817-TP-6-4'	H700827-05	Soil	28-Mar-17 13:20	29-Mar-17 14:15
S-1113520-1-032817-TP-8-4'	H700827-06	Soil	28-Mar-17 13:50	29-Mar-17 14:15
S-1113520-1-032817-TP-9-4'	H700827-07	Soil	28-Mar-17 14:15	29-Mar-17 14:15
S-1113520-1-032917-TP-3-23'	H700827-08	Soil	29-Mar-17 09:55	29-Mar-17 14:15
S-1113520-1-032917-TP-10-4'	H700827-09	Soil	29-Mar-17 10:20	29-Mar-17 14:15
S-1113520-1-032917-TP-11-4'	H700827-10	Soil	29-Mar-17 10:35	29-Mar-17 14:15
S-1113520-1-032917-TP-12-4'	H700827-11	Soil	29-Mar-17 10:45	29-Mar-17 14:15
S-1113520-1-032917-TP-13-4'	H700827-12	Soil	29-Mar-17 11:05	29-Mar-17 14:15
S-1113520-1-032917-TP-14-4'	H700827-13	Soil	29-Mar-17 11:20	29-Mar-17 14:15
S-1113520-1-032917-TP-15-4'	H700827-14	Soil	29-Mar-17 12:05	29-Mar-17 14:15

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, I ALBUQUERQUE NM, 87110	NE STE. 200		Project Nu Project Mai	roject: 2C - Imber: 1113 nager: BERI ax To:	3520-1				Reported: 11-Apr-17 11:5	57
			~	-1-032817-' 0827-01 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Labo	oratories					
General Chemistry										
% Dry Solids	86.4			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	127		11.6	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0	

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110	STE. 200		Project Nun Project Mana			Reported: 11-Apr-17 11:57				
			S-1113520- H700	-1-032817 827-02 (So	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.5 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7032911	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7032911	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7032911	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			106 %	25.1	-158	7032911	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			116 %	26.8	-170	7032911	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	86.4			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	269		11.6	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0	

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Celeg D. Keine



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, N ALBUQUERQUE NM, 87110	E STE. 200		Project Num Project Mana			57				
			S-1113520- H700	1-032817 827-03 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.4 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GO	C FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7032911	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7032911	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7032911	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			98.4 %	25.1	-158	7032911	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			107 %	26.8	-170	7032911	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	83.8			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	225		11.9	mg/kg dry	10	B704016	JDA	06-Apr-17	EPA300.0	

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Celeg D. Keine



GHD SERVICES, INC. Project: 2C - 14 - 3 10" Reported: 6121 INDIAN SCHOOL RD, NE STE. 200 Project Number: 1113520-1 11-Apr-17 11:5 ALBUQUERQUE NM, 87110 Project Manager: BERNARD BUCKISCH 11-Apr-17 11:5 Fax To: S-1113520-1-032817-TP-5-4' 11-Apr-5-4'											
				1-032817 827-04 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Volatile Organic Compounds by l	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			97.8 %	72-	148	7033101	MS	31-Mar-17	8021B		
Petroleum Hydrocarbons by GC	FID										
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B		
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B		
Surrogate: 1-Chlorooctane			75.3 %	25.1	-158	7033002	MS	30-Mar-17	8015B		
Surrogate: 1-Chlorooctadecane			84.0 %	26.8	-170	7033002	MS	30-Mar-17	8015B		
			Green Anal	ytical Lab	oratories						
General Chemistry											
% Dry Solids	87.7			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84		
Soluble (DI Water Extraction)											
Chloride	<11.4		11.4	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0		

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110	STE. 200		Project Nun Project Mana	nber: 111					Reported: 11-Apr-17 11:5	57
			S-1113520- H700	1-032817 827-05 (Sc						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.2 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			89.2 %	25.1	-158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			97.6 %	26.8	-170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	92.1			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	56.4		2.17	mg/kg dry	2	B704016	JDA	06-Apr-17	EPA300.0	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110		Project Nun Project Mana		Reported: 11-Apr-17 11:57						
			S-1113520- H700	1-032817 827-06 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.4 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			82.1 %	25.1	-158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			87.6 %	26.8	-170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	87.0			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	537		11.5	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110		Project Nun Project Mana		Reported: 11-Apr-17 11:57						
			S-1113520- H700	-1-032817 827-07 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.0 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			87.7 %	25.1	-158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			87.6 %	26.8	-170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	90.8			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	359		11.0	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC.Project: 2C - 14 - 3 10"6121 INDIAN SCHOOL RD, NE STE. 200Project Number: 1113520-1ALBUQUERQUE NM, 87110Project Manager: BERNARD BUCKISCH Fax To:									Reported: 11-Apr-17 11:5	57
			~	-1-032917-7 0827-08 (Soi						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Labo	oratories					
General Chemistry										
% Dry Solids	88.6			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extractio	on)									
Chloride	215		11.3	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0	

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110	6121 INDIAN SCHOOL RD, NE STE. 200				Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:						
			S-1113520-1 H700	l-032917- 827-09 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			96.6 %	72-	148	7033101	MS	31-Mar-17	8021B		
Petroleum Hydrocarbons by GC	FID										
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B		
DRO >C10-C28	40.4		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B		
EXT DRO >C28-C36	10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B		
Surrogate: 1-Chlorooctane			85.5 %	25.1	-158	7033002	MS	30-Mar-17	8015B		
Surrogate: 1-Chlorooctadecane			93.5 %	26.8	-170	7033002	MS	30-Mar-17	8015B		
			Green Anal	ytical Lab	oratories						
General Chemistry											
% Dry Solids	91.1			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84		
Soluble (DI Water Extraction)											
Chloride	<11.0		11.0	mg/kg dry	10	B704016	JDA	05-Apr-17	EPA300.0		

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110		Project Nun Project Mana Project Mana Fa:	Reported: 11-Apr-17 11:57							
			S-1113520-1 H700	1-032917- 827-10 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.7 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			92.2 %	25.1	158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			99.0 %	26.8	170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	91.9			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	51.1		2.18	mg/kg dry	2	B704016	JDA	06-Apr-17	EPA300.0	Má

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110			Project Num Project Mana		Reported: 11-Apr-17 11:57					
			S-1113520-1 H700	-032917- 827-11 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.2 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			83.9 %	25.1	-158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			86.5 %	26.8	-170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	88.4			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	350		11.3	mg/kg dry	10	B704016	JDA	06-Apr-17	EPA300.0	

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110		Project Nun Project Mana Project Mana Fax	Reported: 11-Apr-17 11:57							
			S-1113520-1 H700	l-032917- 827-12 (So	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.2 %	72	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			89.4 %	25.1	-158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			90.1 %	26.8	-170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	89.2			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	264		11.2	mg/kg dry	10	B704016	JDA	06-Apr-17	EPA300.0	

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NI ALBUQUERQUE NM, 87110	Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:							Reported: 11-Apr-17 11:57		
			S-1113520-1 H700	l-032917- 827-13 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.4 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			87.4 %	25.1	-158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			87.7 %	26.8	-170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	91.3			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	59.7		11.0	mg/kg dry	10	B704016	JDA	06-Apr-17	EPA300.0	

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE ALBUQUERQUE NM, 87110	Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:							Reported: 11-Apr-17 11:57		
			S-1113520-1 H700	1-032917- 827-14 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	7033101	MS	31-Mar-17	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			96.5 %	72-	148	7033101	MS	31-Mar-17	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
DRO >C10-C28	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctane			87.6 %	25.1	158	7033002	MS	30-Mar-17	8015B	
Surrogate: 1-Chlorooctadecane			90.9 %	26.8	170	7033002	MS	30-Mar-17	8015B	
			Green Anal	ytical Lab	oratories					
General Chemistry										
% Dry Solids	83.6			%	1	B704020	JDA	06-Apr-17	EPA160.3/16 84	
Soluble (DI Water Extraction)										
Chloride	259		12.0	mg/kg dry	10	B704016	JDA	06-Apr-17	EPA300.0	

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110	Project Number:	2C - 14 - 3 10" 1113520-1 BERNARD BUCKISCH	Reported: 11-Apr-17 11:57
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

		D (G 1	G		AV DEC		DDD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Maryte	Result	Liint	Onits	Level	Result	/orcee	Lillits	KI D	Linit	Totes
Batch 7033101 - Volatiles										
Blank (7033101-BLK1)				Prepared &	Analyzed:	31-Mar-17	,			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		96.6	72-148			
LCS (7033101-BS1)				Prepared &	Analyzed:	31-Mar-17	,			
Benzene	1.91	0.050	mg/kg	2.00		95.7	79.5-124			
Toluene	1.79	0.050	mg/kg	2.00		89.4	75.5-127			
Ethylbenzene	1.79	0.050	mg/kg	2.00		89.3	77.7-125			
Total Xylenes	5.08	0.150	mg/kg	6.00		84.6	70.9-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0480		mg/kg	0.0500		95.9	72-148			
LCS Dup (7033101-BSD1)				Prepared &	Analyzed:	31-Mar-17	7			
Benzene	1.87	0.050	mg/kg	2.00		93.4	79.5-124	2.45	6.5	
Toluene	1.75	0.050	mg/kg	2.00		87.3	75.5-127	2.38	7.02	
Ethylbenzene	1.74	0.050	mg/kg	2.00		87.2	77.7-125	2.41	7.83	
Total Xylenes	4.96	0.150	mg/kg	6.00		82.6	70.9-124	2.43	7.78	
Surrogate: 4-Bromofluorobenzene (PID)	0.0491		mg/kg	0.0500		98.1	72-148			

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GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110	Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:	Reported: 11-Apr-17 11:57
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratorie

Blank (7032911-BLK1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 ND 10.0 mg/kg DRO >C10-C28 ND 10.0 mg/kg EXT DRO >C28-C35 ND 10.0 mg/kg Total TPH C6-C28 ND 10.0 mg/kg Surrogate: 1-Chlorooctane 52.0 mg/kg 50.0 104 25.1-158 Surrogate: 1-Chlorooctadecane 53.0 mg/kg 50.0 106 26.8-170 CKS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 Frepared & Analyzed: 29-Mar-17 Surrogate: 1-Chlorooctadecane 52.2 10.0 mg/kg 200 111 78.6-112 V GRO C6-C10 222 10.0 mg/kg 200 111 78.5-117 Total TPH C6-C28 10.0 mg/kg 50.0 111 78.5-117 Total TPH C6-C28 111 78.5-117 Total TPH C6-C28 10.0 mg/kg 50.0 111 78.5-117 Total TPH C6-C28 120 26.8-170 Total TPH C6-C28 120 26.8-170 Total TPH C6-C28 10.0	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GRO C6-C10 ND 10.0 mg/kg DRO >C10-C28 ND 10.0 mg/kg EXT DRO >C28-C35 ND 10.0 mg/kg EXT DRO >C28-C36 ND 10.0 mg/kg Total TPH C6-C28 ND 10.0 mg/kg Surrogate: 1-Chlorooctane 52.0 mg/kg 50.0 104 25.1-158 Surrogate: 1-Chlorooctadecane 53.0 mg/kg 50.0 106 26.8-170 LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 7 7 7 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 DRO >C10-C28 223 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctane 59.8 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctane 59.8 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctane 59.8 mg/kg 200 110 78.6-112 0.749	Batch 7032911 - General Prep - Organics										
DRO >C10-C28 ND 10.0 mg/kg EXT DRO >C28-C35 ND 10.0 mg/kg EXT DRO >C28-C36 ND 10.0 mg/kg Total TPH C6-C28 ND 10.0 mg/kg Surrogate: 1-Chlorooctane 52.0 mg/kg 50.0 104 25.1-158 Surrogate: 1-Chlorooctane 53.0 mg/kg 50.0 106 26.8-170 LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 V GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 V V Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 111 78.6-112 V V Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 111 78.5-117 V<	Blank (7032911-BLK1)				Prepared &	Analyzed:	29-Mar-17	7			
EXT DRO >C28-C35 ND 10.0 mg/kg EXT DRO >C28-C36 ND 10.0 mg/kg Total TPH C6-C28 ND 10.0 mg/kg Surrogate: 1-Chlorooctane 52.0 mg/kg 50.0 104 25.1-158 Surrogate: 1-Chlorooctadecane 53.0 mg/kg 50.0 106 26.8-170 LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 78.6-112 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 78.6-112 DRO >C10-C28 223 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 Image text of the text of the text of text	GRO C6-C10	ND	10.0	mg/kg							
EXT DRO >C28-C36 ND 10.0 mg/kg Total TPH C6-C28 ND 10.0 mg/kg Surrogate: 1-Chlorooctane 52.0 mg/kg 50.0 104 25.1-158 Surrogate: 1-Chlorooctadecane 53.0 mg/kg 50.0 106 26.8-170 LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 Prepared & Analyzed: 29-Mar-17 Surrogate: 1-Chlorooctadecane 73.3 mg/kg 200 111 76.7-124 76.7-124 GRO C6-C10 222 10.0 mg/kg 400 111 78.5-117 76.7-124	DRO >C10-C28	ND	10.0	mg/kg							
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Surrogate: 1-Chlorooctane 52.0 mg/kg 50.0 104 25.1-158 Surrogate: 1-Chlorooctadecane 53.0 mg/kg 50.0 106 26.8-170 LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 DRO >C10-C28 223 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctane 59.8 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctane 59.8 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 T T T 50.0 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5	EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctadecane 53.0 mg/kg 50.0 106 26.8-170 LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 DRO >C10-C28 223 10.0 mg/kg 200 111 76.7-124 Total TPH C6-C28 445 10.0 mg/kg 50.0 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 Prepared & Analyzed: 29-Mar-17 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 DRO >C10-C28 200 110 76.7-124 1.25 15.5	Total TPH C6-C28	ND	10.0	mg/kg							
LCS (7032911-BS1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 DRO >C10-C28 223 10.0 mg/kg 200 111 76.7-124 Total TPH C6-C28 445 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 Prepared & Analyzed: 29-Mar-17 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Jurrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	25.1-158			
GRO C6-C10 222 10.0 mg/kg 200 111 78.6-112 DRO >C10-C28 223 10.0 mg/kg 200 111 76.7-124 Total TPH C6-C28 445 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 78.6-112 0.749 13 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	Surrogate: 1-Chlorooctadecane	53.0		mg/kg	50.0		106	26.8-170			
DRO >C10-C28 223 10.0 mg/kg 200 111 76.7-124 Total TPH C6-C28 445 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	LCS (7032911-BS1)				Prepared &	analyzed:	29-Mar-17	7			
Total TPH C6-C28 445 10.0 mg/kg 400 111 78.5-117 Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	GRO C6-C10	222	10.0	mg/kg	200		111	78.6-112			
Surrogate: 1-Chlorooctane 57.3 mg/kg 50.0 115 25.1-158 Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 Prepared & Analyzed: 29-Mar-17 13 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	DRO >C10-C28	223	10.0	mg/kg	200		111	76.7-124			
Surrogate: 1-Chlorooctadecane 59.8 mg/kg 50.0 120 26.8-170 LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	Total TPH C6-C28	445	10.0	mg/kg	400		111	78.5-117			
LCS Dup (7032911-BSD1) Prepared & Analyzed: 29-Mar-17 GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0		115	25.1-158			
GRO C6-C10 221 10.0 mg/kg 200 110 78.6-112 0.749 13 DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	Surrogate: 1-Chlorooctadecane	59.8		mg/kg	50.0		120	26.8-170			
DRO >C10-C28 220 10.0 mg/kg 200 110 76.7-124 1.25 15.5 Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	LCS Dup (7032911-BSD1)				Prepared &	analyzed:	29-Mar-17	7			
Total TPH C6-C28 440 10.0 mg/kg 400 110 78.5-117 1.00 13.6 Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	GRO C6-C10	221	10.0	mg/kg	200		110	78.6-112	0.749	13	
Surrogate: 1-Chlorooctane 57.2 mg/kg 50.0 114 25.1-158	DRO >C10-C28	220	10.0	mg/kg	200		110	76.7-124	1.25	15.5	
	Total TPH C6-C28	440	10.0	mg/kg	400		110	78.5-117	1.00	13.6	
Surrogate: 1-Chlorooctadecane 58.3 mg/kg 50.0 117 26.8-170	Surrogate: 1-Chlorooctane	57.2		mg/kg	50.0		114	25.1-158			
5 5 5	Surrogate: 1-Chlorooctadecane	58.3		mg/kg	50.0		117	26.8-170			
	Blank (7033002-BLK1)				Prepared &	Analyzed:	30-Mar-17	7			

Blank (7033002-BLK1)				Prepared & Analy	zed: 30-Mar-1	7		
GRO C6-C10	ND	10.0	mg/kg					
DRO >C10-C28	ND	10.0	mg/kg					
EXT DRO >C28-C35	ND	10.0	mg/kg					
EXT DRO >C28-C36	ND	10.0	mg/kg					
Total TPH C6-C28	ND	10.0	mg/kg					
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0	100	25.1-158		
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0	106	26.8-170		

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110	Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:	Reported: 11-Apr-17 11:57
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 7033002 - General Prep - Organics										
LCS (7033002-BS1)				Prepared &	Analyzed:	30-Mar-17	1			
GRO C6-C10	186	10.0	mg/kg	200		93.0	78.6-112			
DRO >C10-C28	194	10.0	mg/kg	200		97.0	76.7-124			
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	78.5-117			
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	25.1-158			
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	26.8-170			
LCS Dup (7033002-BSD1)				Prepared &	Analyzed:	30-Mar-17	,			
GRO C6-C10	193	10.0	mg/kg	200		96.5	78.6-112	3.65	13	
DRO >C10-C28	201	10.0	mg/kg	200		101	76.7-124	3.73	15.5	
Total TPH C6-C28	394	10.0	mg/kg	400		98.6	78.5-117	3.69	13.6	
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0		111	25.1-158			
Surrogate: 1-Chlorooctadecane	55.6		mg/kg	50.0		111	26.8-170			

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Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC. 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110	Project: 2C - 14 - 3 10" Project Number: 1113520-1 Project Manager: BERNARD BUCKISCH Fax To:	Reported: 11-Apr-17 11:57
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General Chemistry - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B704020 - General Prep - Wet Chem										
Duplicate (B704020-DUP1)	Sour	rce: 1703196-()1	Prepared: (04-Apr-17 A	analyzed: 00	6-Apr-17			
% Dry Solids	98.5		%		98.7			0.203	20	

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Celey D. Keene, Lab Director/Quality Manager



GHD SERVICES, INC.Project:2C - 14 - 310"6121 INDIAN SCHOOL RD, NE STE. 200Project Number:1113520-1ALBUQUERQUE NM, 87110Project Manager:BERNARD BUCKISCHFax To:	Reported: 11-Apr-17 11:57
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Soluble (DI Water Extraction) - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B704016 - General Prep - Wet Chem										
Blank (B704016-BLK1)				Prepared: (04-Apr-17 A	analyzed: 0	5-Apr-17			
Chloride	ND	10.0	mg/kg wet							
LCS (B704016-BS1)				Prepared: ()4-Apr-17 A	analyzed: 0	5-Apr-17			
Chloride	235	10.0	mg/kg wet	250		94.1	85-115			
LCS Dup (B704016-BSD1)				Prepared: (04-Apr-17 A	analyzed: 0	5-Apr-17			
Chloride	235	10.0	mg/kg wet	250		93.9	85-115	0.251	20	

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Notes and Definitions

M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Company Name: 640 Services	TX TX	BILL TO	AN	ANALYSIS REQUESI
Bernerd	Beckisch	P.O. #:		
5	School Rd, NE STE 200	Company: ETC		
tlbrqueque	State: UM Zip: 87/10	Attn: Dean Ericson	3	
e #.		Address:	e	
Project #: 1112520-1	Project Owner:	City:	ng	
Ime:	10	State: Zip:		
Project Location:		Phone #:		
Sampler Name: Alan Brancho	ada	Fax #:	4	
		PRESERV. SAMPLING	gois de	
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PLEASE NOTE: Liability and Damages. Cardinal's lability and analyses. All claims including those for neglepence and any do service. In no event shall Cardinal be lable for incidental or co services are successed where out of or statistic to the neglectors	PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any cliam arising whether based in contract or but shall be limited to the annual paid by the client for the analyses. All claims including those for neglepines and any other cause whatsoever shall be determed whether based in contract or but shall be limited to the annual paid by the client for the service. In no event shall Cardinal be lable for incidental or conceptuantial damages, including whoul initiation, business interruptions, loss of use, or loss of pofils incurred by client. Its subsidiaries, service is no event shall Cardinal be lable for incidental or conceptuantial damages, including whoul limitation, business interruptions, loss of use, or loss of pofils incurred by client. Its subsidiaries, services are autocover to validate to the and/creazers of exocept hearing by Cardinal incartifiests obteneing buch climits to beef used soften attract tespors of otherwise.	contrared or tort, shall be initited to trie annount paid by the client tor ming and received by Cardinal within 30 days after completion of th uptions, lose of use, or lose of profits incurred by client. It is subaidia to claim is based upon any of the above stated reasons or otherwa	ie client for the blettor of the applicable Its subsidiartes, or otherwase.	
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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

242

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

Company Name: CHD Services	ies	BILL TO	ANALYSIS REQUEST	ST
Bernard	Buckisch	P.O. #:		
Indian	School RJ, NE STE 200	company: ETC		
	State: Nr Zip: 87110	Atta: Dean Ericson	_	
Phone #: 505-894.0672	- Fax #:	Address:	<u>~g</u>	
Project #: 11/3520-1	Project Owner:	City:		
ime:	10 11	State: Zip:	-	
		Phone #:	Fu	
Sampler Name: Alan Bran	din	Fax #:		
		PRESERV. SAMPLING	80	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	BTEX TPH SU	
11 S-1135-20-1-032917-TP-12-4	5	t1/25	042 X X X	
12 5-113520-1-0	20	21/545	Y	
15 S-1113520-1-0	1113520-1-032917-TP-14-4 6 2 X	21/ 52/5	w x x x	
14 5-11135-20-1-032917-	TP-15-4 6	3/24/12	IZAS X X	
PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidential or	PLEASE NOTE: Liability and Damages. Cardinal's lability and clerif's exclusive remedy for any claim analing whether based in contract or birt, shall be limited to the anount pad by the clerif's exclusive inhall be deemed varied unless made in writing and received by Castinal writin 30 days after completion of the applicable analyses. All claims including those for mayligence and any other cause whatknews shall be deemed varied unless made in writing and received by Castinal writin 30 days after completion of the applicable service. In no work shall Cardinal be table for incidental or consequential damages, including writing initiation, business interruptions, lass of use, or loss of profile incurred by client, its subsidiaries,	tract or text, shall be limited to the amount paid by the citent for the g and necessed by Catolinal wattin 30 days after completion of the a gds, loss of use, or loss of profits incurred by client, its subsidiaries	The client for the impletion of the applicable is, its subeidance,	
affinites or successors arrang out of or related to the perfor Relinquished By:	Time: U10	aim is based upon any of the above stated reas	Phone Result: Ves No Add'I Phone #: Fax Result: Yes No Add'I Fax #: REMARKS: I hack isch Gohd. Com	2
Relinquished By:	Date: Received By:		pernora: on one of	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	A.O'C Sample Condition	Notition CHECKED BY: Check (Initials) Yes (Juntials) No. (Initials)		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Sample Condition Cool Intact Yes Yes No No No

Page 24 of 24



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

July 10, 2017

Bernie Bockish GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110 TEL: (505) 884-0672 FAX

RE: 2C 14 3 10"

OrderNo.: 1706G41

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 9 sample(s) on 6/29/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062617-SP-01 Collection Date: 6/26/2017 4:30:00 PM Pageived Date: 6/20/2017 9:15:00 AM

Lab ID: 1706G41-001	Matrix:	SOIL	Received 1	Received Date: 6/29/2017 9:15:00 AM		
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	150	30	mg/Kg	20	7/5/2017 11:29:33 PM	32641
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	том
Diesel Range Organics (DRO)	31	9.6	mg/Kg	1	7/5/2017 2:04:23 PM	32588
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/5/2017 2:04:23 PM	32588
Surr: DNOP	100	70-130	%Rec	1	7/5/2017 2:04:23 PM	32588
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/5/2017 12:07:50 PM	32610
Surr: BFB	106	54-150	%Rec	1	7/5/2017 12:07:50 PM	32610
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/5/2017 12:07:50 PM	32610
Toluene	ND	0.048	mg/Kg	1	7/5/2017 12:07:50 PM	32610
Ethylbenzene	ND	0.048	mg/Kg	1	7/5/2017 12:07:50 PM	32610
Xylenes, Total	ND	0.096	mg/Kg	1	7/5/2017 12:07:50 PM	32610
Surr: 4-Bromofluorobenzene	101	66.6-132	%Rec	1	7/5/2017 12:07:50 PM	32610

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062617-SP-02 Collection Date: 6/26/2017 4:33:00 PM

Lab ID: 1706G41-002	Matrix:	SOIL	Received	Received Date: 6/29/2017 9:15:00 AM		
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	90	30	mg/Kg	20	7/5/2017 11:41:57 PM	32641
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s			Analyst	: том
Diesel Range Organics (DRO)	340	10	mg/Kg	1	7/5/2017 2:29:16 PM	32588
Motor Oil Range Organics (MRO)	350	50	mg/Kg	1	7/5/2017 2:29:16 PM	32588
Surr: DNOP	104	70-130	%Rec	1	7/5/2017 2:29:16 PM	32588
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2017 1:18:44 PM	32610
Surr: BFB	112	54-150	%Rec	1	7/5/2017 1:18:44 PM	32610
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	7/5/2017 1:18:44 PM	32610
Toluene	ND	0.049	mg/Kg	1	7/5/2017 1:18:44 PM	32610
Ethylbenzene	ND	0.049	mg/Kg	1	7/5/2017 1:18:44 PM	32610
Xylenes, Total	ND	0.097	mg/Kg	1	7/5/2017 1:18:44 PM	32610
Surr: 4-Bromofluorobenzene	103	66.6-132	%Rec	1	7/5/2017 1:18:44 PM	32610

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062617-SP-03 Collection Date: 6/26/2017 4:40:00 PM Previved Date: 6/20/2017 0.15.00 AM

Lab ID: 1706G41-003	Matrix:	SOIL	Received Date: 6/29/2017 9:15:00 At			М	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	240	30	mg/Kg	20	7/5/2017 11:54:22 PM	32641	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s			Analyst	том	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/5/2017 3:19:11 PM	32588	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/5/2017 3:19:11 PM	32588	
Surr: DNOP	81.3	70-130	%Rec	1	7/5/2017 3:19:11 PM	32588	
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/5/2017 2:30:00 PM	32610	
Surr: BFB	108	54-150	%Rec	1	7/5/2017 2:30:00 PM	32610	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.023	mg/Kg	1	7/5/2017 2:30:00 PM	32610	
Toluene	ND	0.047	mg/Kg	1	7/5/2017 2:30:00 PM	32610	
Ethylbenzene	ND	0.047	mg/Kg	1	7/5/2017 2:30:00 PM	32610	
Xylenes, Total	ND	0.093	mg/Kg	1	7/5/2017 2:30:00 PM	32610	
Surr: 4-Bromofluorobenzene	103	66.6-132	%Rec	1	7/5/2017 2:30:00 PM	32610	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Oualifiers:

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 13 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062617-SP-04 Collection Date: 6/26/2017 4:43:00 PM

Lab ID: 1706G41-004	Matrix:	SOIL	Received Date: 6/29/2017 9:15:00 A			M	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	210	30	mg/Kg	20	7/6/2017 12:54:43 PM	32655	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	: том	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/5/2017 3:44:14 PM	32588	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/5/2017 3:44:14 PM	32588	
Surr: DNOP	73.0	70-130	%Rec	1	7/5/2017 3:44:14 PM	32588	
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2017 2:53:44 PM	32610	
Surr: BFB	107	54-150	%Rec	1	7/5/2017 2:53:44 PM	32610	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/5/2017 2:53:44 PM	32610	
Toluene	ND	0.049	mg/Kg	1	7/5/2017 2:53:44 PM	32610	
Ethylbenzene	ND	0.049	mg/Kg	1	7/5/2017 2:53:44 PM	32610	
Xylenes, Total	ND	0.097	mg/Kg	1	7/5/2017 2:53:44 PM	32610	
Surr: 4-Bromofluorobenzene	102	66.6-132	%Rec	1	7/5/2017 2:53:44 PM	32610	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062717-SP-01 Collection Date: 6/27/2017 1:05:00 PM

Lab ID: 1706G41-005	Matrix:	SOIL	Received Date: 6/29/2017 9:15:00 AM				
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	60	30	mg/Kg	20	7/6/2017 1:56:45 PM	32655	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	S			Analyst	: ТОМ	
Diesel Range Organics (DRO)	23	9.5	mg/Kg	1	7/6/2017 11:23:32 AM	32588	
Motor Oil Range Organics (MRO)	48	48	mg/Kg	1	7/6/2017 11:23:32 AM	32588	
Surr: DNOP	90.4	70-130	%Rec	1	7/6/2017 11:23:32 AM	32588	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/5/2017 3:17:28 PM	32610	
Surr: BFB	107	54-150	%Rec	1	7/5/2017 3:17:28 PM	32610	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/5/2017 3:17:28 PM	32610	
Toluene	ND	0.048	mg/Kg	1	7/5/2017 3:17:28 PM	32610	
Ethylbenzene	ND	0.048	mg/Kg	1	7/5/2017 3:17:28 PM	32610	
Xylenes, Total	ND	0.096	mg/Kg	1	7/5/2017 3:17:28 PM	32610	
Surr: 4-Bromofluorobenzene	101	66.6-132	%Rec	1	7/5/2017 3:17:28 PM	32610	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062717-SP-02 Collection Date: 6/27/2017 1:09:00 PM Previved Date: 6/20/2017 0.15.00 AM

Lab ID: 1706G41-006	Matrix: SOIL		Received 1	Received Date: 6/29/2017 9:15:00 AM			
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	42	3.0	mg/Kg	2	7/6/2017 2:09:10 PM	32655	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s			Analyst	: ТОМ	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/6/2017 12:39:16 PM	32588	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2017 12:39:16 PM	32588	
Surr: DNOP	83.7	70-130	%Rec	1	7/6/2017 12:39:16 PM	32588	
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2017 5:15:48 PM	32610	
Surr: BFB	109	54-150	%Rec	1	7/5/2017 5:15:48 PM	32610	
EPA METHOD 8021B: VOLATILES					Analyst	: NSB	
Benzene	ND	0.024	mg/Kg	1	7/5/2017 5:15:48 PM	32610	
Toluene	ND	0.049	mg/Kg	1	7/5/2017 5:15:48 PM	32610	
Ethylbenzene	ND	0.049	mg/Kg	1	7/5/2017 5:15:48 PM	32610	
Xylenes, Total	ND	0.097	mg/Kg	1	7/5/2017 5:15:48 PM	32610	
Surr: 4-Bromofluorobenzene	103	66.6-132	%Rec	1	7/5/2017 5:15:48 PM	32610	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 13 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W
Analytical Report Lab Order 1706G41 Date Reported: 7/10/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

2C 14 3 10"

Project:

Client Sample ID: S-11135250-062717-SP-03 Collection Date: 6/27/2017 1:15:00 PM Received Date: 6/29/2017 9:15:00 AM

Lab ID: 1706G41-007	Matrix:	SOIL	Received	Received Date: 6/29/2017 9:15:00 AM							
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analys	t: MRA					
Chloride	800	30	mg/Kg	20	7/6/2017 2:21:35 PM	32655					
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANIC	s			Analys	t: TOM					
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/6/2017 1:07:41 PM	32588					
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/6/2017 1:07:41 PM	32588					
Surr: DNOP	90.5	70-130	%Rec	1	7/6/2017 1:07:41 PM	32588					
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/5/2017 5:39:31 PM	32610					
Surr: BFB	107	54-150	%Rec	1	7/5/2017 5:39:31 PM	32610					
EPA METHOD 8021B: VOLATILES					Analys	t: NSB					
Benzene	ND	0.024	mg/Kg	1	7/5/2017 5:39:31 PM	32610					
Toluene	ND	0.048	mg/Kg	1	7/5/2017 5:39:31 PM	32610					
Ethylbenzene	ND	0.048	mg/Kg	1	7/5/2017 5:39:31 PM	32610					
Xylenes, Total	ND	0.096	mg/Kg	1	7/5/2017 5:39:31 PM	32610					
Surr: 4-Bromofluorobenzene	101	66.6-132	%Rec	1	7/5/2017 5:39:31 PM	32610					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- b Sample Difuted Due to Watth
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 7 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1706G41 Date Reported: 7/10/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062717-SP-04 Collection Date: 6/27/2017 1:20:00 PM Pageived Date: 6/20/2017 0:15:00 AM

Lab ID: 1706G41-008	Matrix:	SOIL	Received	Received Date: 6/29/2017 9:15:00 AM							
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: MRA					
Chloride	ND	30	mg/Kg	20	7/6/2017 2:33:59 PM	32655					
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	t: TOM					
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/7/2017 12:25:27 PM	32588					
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/7/2017 12:25:27 PM	32588					
Surr: DNOP	79.6	70-130	%Rec	1	7/7/2017 12:25:27 PM	32588					
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2017 6:03:13 PM	32610					
Surr: BFB	107	54-150	%Rec	1	7/5/2017 6:03:13 PM	32610					
EPA METHOD 8021B: VOLATILES					Analyst	II NSB					
Benzene	ND	0.024	mg/Kg	1	7/5/2017 6:03:13 PM	32610					
Toluene	ND	0.049	mg/Kg	1	7/5/2017 6:03:13 PM	32610					
Ethylbenzene	ND	0.049	mg/Kg	1	7/5/2017 6:03:13 PM	32610					
Xylenes, Total	ND	0.097	mg/Kg	1	7/5/2017 6:03:13 PM	32610					
Surr: 4-Bromofluorobenzene	99.8	66.6-132	%Rec	1	7/5/2017 6:03:13 PM	32610					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 8 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1706G41 Date Reported: 7/10/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Project: 2C 14 3 10"

Client Sample ID: S-11135250-062717-SP-05 Collection Date: 6/27/2017 1:25:00 PM Pageived Date: 6/20/2017 0:15:00 AM

Lab ID: 1706G41-009	Matrix:	SOIL	Received I	Received Date: 6/29/2017 9:15:00 AM							
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	MRA					
Chloride	59	30	mg/Kg	20	7/6/2017 2:46:24 PM	32655					
EPA METHOD 8015M/D: DIESEL RANG		S			Analyst	ТОМ					
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/7/2017 12:54:02 PM	32588					
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/7/2017 12:54:02 PM	32588					
Surr: DNOP	75.2	70-130	%Rec	1	7/7/2017 12:54:02 PM	32588					
EPA METHOD 8015D: GASOLINE RANG	Ε				Analyst	: NSB					
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/5/2017 6:26:50 PM	32610					
Surr: BFB	106	54-150	%Rec	1	7/5/2017 6:26:50 PM	32610					
EPA METHOD 8021B: VOLATILES					Analyst	: NSB					
Benzene	ND	0.024	mg/Kg	1	7/5/2017 6:26:50 PM	32610					
Toluene	ND	0.049	mg/Kg	1	7/5/2017 6:26:50 PM	32610					
Ethylbenzene	ND	0.049	mg/Kg	1	7/5/2017 6:26:50 PM	32610					
Xylenes, Total	ND	0.097	mg/Kg	1	7/5/2017 6:26:50 PM	32610					
Surr: 4-Bromofluorobenzene	99.6	66.6-132	%Rec	1	7/5/2017 6:26:50 PM	32610					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 9 of 13
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

 Client:
 GHD

 Project:
 2C 14 3 10"

5							
Sample ID MB-32655	SampType: mblk	TestCode: EPA Method					
Client ID: PBS	Batch ID: 32655	RunNo: 44023					
Prep Date: 7/6/2017	Analysis Date: 7/6/2017	SeqNo: 1389461	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Chloride	ND 1.5						
Sample ID LCS-32655	SampType: Ics	TestCode: EPA Method	300.0: Anions				
Client ID: LCSS	Batch ID: 32655	RunNo: 44023					
Prep Date: 7/6/2017	Analysis Date: 7/6/2017	SeqNo: 1389462	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Chloride	14 1.5 15.00	0 93.3 90	110				

- * Value exceeds Maximum Contaminant Level.
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 10 of 13

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: GHD										
Project: 2C 14 3	10"									
Sample ID LCS-32609	SampT	ype: LC	cs	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 32	609	F	RunNo: 4	3982				
Prep Date: 7/3/2017	Analysis D	ate: 7	/5/2017	S	SeqNo: 1	386463	Units: %Re	c		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.7	70	130			
Sample ID MB-32609	SampT	уре: МІ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 32	609	F	RunNo: 4	3982				
Prep Date: 7/3/2017	Analysis D	ate: 7	/5/2017	5	SeqNo: 1	386464	Units: %Re	c		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		106	70	130			
Sample ID MB-32588	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 32	588	F	RunNo: 4	3983				
Prep Date: 6/30/2017	Analysis D	ate: 7	/5/2017	5	SeqNo: 1	387024	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.3	70	130			
Sample ID LCS-32588	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 32	588	F	RunNo: 4	3983				
Prep Date: 6/30/2017	Analysis D	ate: 7	/5/2017	5	SeqNo: 1	387357	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	44	10	50.00 5.000	0	88.5 93.8	73.2 70	114 130			

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

Client: Project:	GHD 2C 14 3	10"									
Sample ID	MB-32610	SampT	pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	PBS	Batch	ID: 32	610	R	unNo: 4	3996				
Prep Date:	7/3/2017	Analysis Da	ate: 7/	5/2017	S	eqNo: 1	387478	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	ND	5.0								
Surr: BFB		1100		1000		105	54	150			
Sample ID	LCS-32610	SampTy	pe: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	LCSS	Batch	ID: 32	610	R	unNo: 4	3996				
Prep Date:	7/3/2017	Analysis Da	ate: 7/	5/2017	S	eqNo: 1	387479	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	22	5.0	25.00	0	88.4	76.4	125			
Surr: BFB		1200		1000		117	54	150			
Sample ID	1706G41-002AM	SampTy	pe: M \$	6	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	S-11135250-0626	17- Batch	ID: 32	610	R	unNo: 4	3996				
Prep Date:	7/3/2017	Analysis Da	ate: 7/	5/2017	S	eqNo: 1	387486	Units: mg/	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	21	4.7	23.74	0	88.7	77.8	128			
Surr: BFB		1200		949.7		125	54	150			
Sample ID	1706G41-002AMS	SD SampTy	/pe: M \$	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	S-11135250-0626	17- Batch	ID: 32	610	R	unNo: 4	3996				
Prep Date:	7/3/2017	Analysis Da	ate: 7/	5/2017	S	eqNo: 1	387487	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	je Organics (GRO)	20	4.7	23.58	0	86.3	77.8	128	3.41	20	
Surr: BFB		1200		943.4		124	54	150	0	0	

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Hall Er	nvironment	al Anal	ysis I	Laborat	ory, Inc.						10-Jul-1
Client: Project:	GHD 2C 14 3	10"									
Sample ID	MB-32610	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	h ID: 32	610	F	RunNo: 4	3996				
Prep Date:	7/3/2017	Analysis E	Date: 7/	5/2017	S	SeqNo: 1	387510	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
oluene		ND	0.050								
thylbenzene		ND	0.050								
ylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	1.0		1.000		102	66.6	132			
Sample ID	LCS-32610	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: 32	610	F	RunNo: 4	3996				
Prep Date:	7/3/2017	Analysis [Date: 7/	5/2017	S	SeqNo: 1	387511	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.86	0.025	1.000	0	86.2	80	120			
oluene		0.85	0.050	1.000	0	85.4	80	120			
thylbenzene		0.84	0.050	1.000	0	84.5	80	120			
(ylenes, Total		2.5	0.10	3.000	0	84.9	80	120			
Surr: 4-Brom	nofluorobenzene	1.0		1.000		104	66.6	132			
Sample ID	1706G41-001AM	S Samp	Гуре: М	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Sample ID Client ID:	1706G41-001AM		Гуре: М З h ID: 32			tCode: El RunNo: 4		8021B: Vola	tiles		
Client ID:	S-11135250-0626		h ID: 32	610	F		3996	8021B: Vola Units: mg/F			
Client ID: Prep Date:	S-11135250-0626	617- Batc	h ID: 32	610 5/2017	F	RunNo: 4	3996			RPDLimit	Qual
Client ID: Prep Date: Analyte	S-11135250-0626	6 17- Batcl Analysis [h ID: 32 Date: 7/	610 5/2017	F	RunNo: 4 SeqNo: 1	3996 387517	Units: mg/k	٨g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene	S-11135250-0626	5 17- Batcl Analysis I Result	h ID: 32 Date: 7/ PQL	610 5/2017 SPK value	F S SPK Ref Val	RunNo: 4 SeqNo: 1 %REC	3996 387517 LowLimit	Units: mg/F HighLimit	٨g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene oluene	S-11135250-0626	617- Batc Analysis E Result 0.82	h ID: 32 Date: 7/ PQL 0.023	610 5/2017 SPK value 0.9390	F SPK Ref Val 0	RunNo: 4 SeqNo: 1 %REC 87.4	3996 387517 LowLimit 80.9	Units: mg/k HighLimit 132	٨g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Foluene Sthylbenzene	S-11135250-0626	517- Batcl Analysis I Result 0.82 0.82	h ID: 32 Date: 7 / PQL 0.023 0.047	610 5/2017 SPK value 0.9390 0.9390	F SPK Ref Val 0 0	RunNo: 4 SeqNo: 1 %REC 87.4 87.7	3996 387517 LowLimit 80.9 79.8	Units: mg/k HighLimit 132 136	٨g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total	S-11135250-0626	517- Batch Analysis E Result 0.82 0.82 0.83	h ID: 32 Date: 7 PQL 0.023 0.047 0.047	610 5/2017 SPK value 0.9390 0.9390 0.9390	F SPK Ref Val 0 0 0	RunNo: 4 SeqNo: 1 %REC 87.4 87.7 88.6	3996 387517 LowLimit 80.9 79.8 79.4	Units: mg/k HighLimit 132 136 140	٨g	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Bron	S-11135250-0626 7/3/2017	517- Batch Analysis I Result 0.82 0.82 0.83 2.5 0.98	h ID: 32 Date: 7 PQL 0.023 0.047 0.047	610 5/2017 SPK value 0.9390 0.9390 0.9390 2.817 0.9390	F SPK Ref Val 0 0 0 0	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6	Units: mg/k HighLimit 132 136 140 142	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Brom Sample ID	S-11135250-0626 7/3/2017 nofluorobenzene	S17- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD	h ID: 32 Date: 7 PQL 0.023 0.047 0.047 0.094	610 5/2017 SPK value 0.9390 0.9390 0.9390 2.817 0.9390 SD	F SPK Ref Val 0 0 0 0 0 Tes	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 PA Method	Units: mg/k HighLimit 132 136 140 142 132	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte enzene oluene thylbenzene ylenes, Total Surr: 4-Bron Sample ID Client ID:	S-11135250-0626 7/3/2017 nofluorobenzene 1706G41-001AM S-11135250-0626	S17- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD	h ID: 32 Date: 7 / PQL 0.023 0.047 0.094 Type: MS h ID: 32	610 5/2017 SPK value 0.9390 0.9390 2.817 0.9390 2.817 0.9390 5D 610	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 4 SeqNo: 1 %REC 87.4 87.7 88.6 88.5 105 tCode: El	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 PA Method 3996	Units: mg/k HighLimit 132 136 140 142 132	(g %RPD tiles	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date:	S-11135250-0626 7/3/2017 nofluorobenzene 1706G41-001AM S-11135250-0626	S17- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD Samp Batcl	h ID: 32 Date: 7 / PQL 0.023 0.047 0.094 Type: MS h ID: 32	610 5/2017 SPK value 0.9390 0.9390 2.817 0.9390 2.817 0.9390 5D 610 5/2017	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105 tCode: EI RunNo: 4:	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 PA Method 3996	Units: mg/k HighLimit 132 136 140 142 132 8021B: Vola	(g %RPD tiles	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date: Analyte	S-11135250-0626 7/3/2017 nofluorobenzene 1706G41-001AM S-11135250-0626	S17- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD Samp Samp S17- Batcl Analysis I Batcl	h ID: 32 Date: 7/ PQL 0.023 0.047 0.047 0.094 Fype: MS h ID: 32 Date: 7/	610 5/2017 SPK value 0.9390 0.9390 2.817 0.9390 2.817 0.9390 5D 610 5/2017	F SPK Ref Val 0 0 0 0 0 Tes F S	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105 tCode: El RunNo: 4: SeqNo: 1:	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 PA Method 3996 387518	Units: mg/k HighLimit 132 136 140 142 132 8021B: Vola Units: mg/k	(g %RPD tiles (g		
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date: Analyte Benzene	S-11135250-0626 7/3/2017 nofluorobenzene 1706G41-001AM S-11135250-0626	517- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD Samp 517- Batcl Analysis I Result	h ID: 32 Date: 7/ PQL 0.023 0.047 0.047 0.094 Fype: MS h ID: 32 Date: 7/ PQL	610 5/2017 SPK value 0.9390 0.9390 2.817 0.9390 2.817 0.9390 5D 610 5/2017 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105 tCode: EI RunNo: 4: SeqNo: 1: %REC	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 PA Method 3996 387518 LowLimit	Units: mg/k HighLimit 132 136 140 142 132 8021B: Vola Units: mg/k HighLimit	<pre>{g %RPD tiles {g %RPD</pre>	RPDLimit	
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Bron Sample ID Client ID: Prep Date: Analyte Benzene oluene	S-11135250-0626 7/3/2017 nofluorobenzene 1706G41-001AM S-11135250-0626	S17- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD SD Samp 617- Batcl Analysis I Result 0.82 0.83 0.98 SD SD Samp 617- Batcl Analysis I Result 0.82 0.82	h ID: 32 Date: 7/ PQL 0.023 0.047 0.094 Type: MS h ID: 32 Date: 7/ PQL 0.024	610 5/2017 SPK value 0.9390 0.9390 0.9390 2.817 0.9390 5D 610 5/2017 SPK value 0.9625	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105 tCode: EI RunNo: 4: SeqNo: 1: %REC 85.2	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 PA Method 3996 387518 LowLimit 80.9	Units: mg/k HighLimit 132 136 140 142 132 8021B: Vola Units: mg/k HighLimit 132	<pre>{g %RPD tiles {g %RPD 0.112</pre>	RPDLimit 20	
Client ID: Prep Date: Analyte Benzene oluene thylbenzene (ylenes, Total Surr: 4-Brom Sample ID	S-11135250-0626 7/3/2017 nofluorobenzene 1706G41-001AM S-11135250-0626	517- Batcl Analysis I Result 0.82 0.82 0.83 2.5 0.98 SD Samp 517- Batcl Analysis I Result 0.82 0.83	h ID: 32 Date: 7/ PQL 0.023 0.047 0.094 Type: MS h ID: 32 Date: 7/ PQL 0.024 0.024	610 5/2017 SPK value 0.9390 0.9390 0.9390 2.817 0.9390 5D 610 5/2017 SPK value 0.9625 0.9625	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0 0	RunNo: 4: SeqNo: 1: %REC 87.4 87.7 88.6 88.5 105 tCode: EI RunNo: 4: SeqNo: 1: %REC 85.2 85.9	3996 387517 LowLimit 80.9 79.8 79.4 78.5 66.6 3996 387518 LowLimit 80.9 79.8	Units: mg/k HighLimit 132 136 140 142 132 8021B: Volar Units: mg/k HighLimit 132 136	<pre>{g %RPD tiles {g %RPD 0.112 0.379</pre>	RPDLimit 20 20	

Qualifiers:

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QC SUMMARY REPORT

- D Sample Diluted Due to Matrix
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- Р Sample pH Not In Range
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WO#:

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3975	4901 Hawkins NE Iquerque, NM 87109	Sam	ole Log-In Cł	neck List
Client Name: GHD	Work Order Number:	1706G41		RcptNo:	1
Received By: Sophia Campuzano	6/29/2017 9:15:00 AM		Sophie Conger		
Completed By: Sophia Campuzano	6/30/2017 2:11:59 PM		Sopher Compan-		
Reviewed By: $M_{il}/30/12^{2}$					
Chain of Custody					
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗌	Not Present 🗹	
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?		<u>Courier</u>			
<u>Log In</u>					
4. Was an attempt made to cool the samples	?	Yes 🗹	No 🗌	NA 🗌	
5. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes ⊻	No 🗌		
6. Sample(s) in proper container(s)?		Yes 🔽	No 🗌		
7. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗀		
8. Are samples (except VOA and ONG) prope		Yes 🖌	No 🗌		
9. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗋	
10.VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
11. Were any sample containers received brok	en?	Yes 🗆	No 🗹 🗎	# of preserved	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 or	>12 unless noted)
13. Are matrices correctly identified on Chain o	f Custody?	Yes 🔽	No 🗌	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🔽	No 🗌		
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🔽	No 🗌	Checked by:	· · · · · · · · · · · · · · · · · · ·
Special Handling (if applicable)					
16. Was client notified of all discrepancies with	this order?	Yes 🗀	No 🗌	NA 🔽	
Person Notified:	Date		é didición consecutor		1
By Whom:	Via: [eMail Pho	ne 🗍 Fax	In Person	
Regarding:					
Client Instructions:				<u></u>	
17. Additional remarks:					-
18. <u>Cooler Information</u>	, .				
		Seal Date Si	gned By		
1 2.8 Good Ye	5 				
Page 1 of 1					

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	HALL ENVIRONMENTAL ANALYSIS LABORATORY								<u> </u>		'nſ	10 m						$\overline{\mathbf{x}}$	$\overline{\mathbf{v}}$	~~	\mathbf{X}		_				
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Chain-of-Custody Record	SHD-Albuquerane	. 1	Mailing Address:	. f	V	email or Fax#:	QA/QC Package:	ard	ation	a,	C EDD (Type)	Time	1630	552	¢á <u>)</u> l	1643	305	130%	2. 2	1321	3	`			Time:	1 9 8	If necessary, sample submitted to Hall Environmental may be subcontract
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

September 18, 2017 Bernie Bockisch GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110

RE: 2C 14

FAX

OrderNo.: 1709709

Dear Bernie Bockisch:

TEL: (505) 884-0672

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/12/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order: 1709709

Hall Environ	mental Analysis	Laborato	ry, Iı	1C.		Ι	Date Reported: 9	/18/20	17
	GHD C 14]	Lab ()rder: 17	09709	
Lab ID:	1709709-001				Collection Dat	e: 9/	7/2017 10:10:00) AM	
Client Sample ID:	S-11135250-01-09071	7-MG-TP-16-6	5"		Matri	x: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	' Date Analyze	d B	atch ID
EPA METHOD 300 Chloride	.0: ANIONS	ND	30		mg/Kg	20			t: MRA 33876
Lab ID:	1709709-002				Collection Dat	e: 9/	7/2017 10:45:00) AM	
Client Sample ID:	S-11135250-01-09071	7-MG-TP-17-2	2'		Matri	x: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d B	atch ID
EPA METHOD 300	.0: ANIONS							Analys	t: MRA
Chloride		100	30		mg/Kg	20	9/15/2017 8:20	:44 PM	33876
Lab ID:	1709709-003				Collection Dat	e: 9/	7/2017 11:15:00) AM	
Client Sample ID:	S-11135250-01-09071	7-MG-TP-18-2	2'		Matri	x: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyze	d B	atch ID
EPA METHOD 300	.0: ANIONS							Analys	t: MRA
Chloride		40	30		mg/Kg	20	9/15/2017 8:33	:08 PM	33876

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- J Analyte detected below quantitation limits Page 1 of 2
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page 2 of 2

Client: GHD Project: 2C 14

Sample ID MB-33876	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 33876	RunNo: 45653		
Prep Date: 9/14/2017	Analysis Date: 9/15/2017	SeqNo: 1450182	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
	ND 1.5 SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-33876	-	TestCode: EPA Method RunNo: 45653	300.0: Anions	
Sample ID LCS-33876 Client ID: LCSS	SampType: Ics		300.0: Anions Units: mg/Kg	
Chloride Sample ID LCS-33876 Client ID: LCSS Prep Date: 9/14/2017 Analyte	SampType: Ics Batch ID: 33876 Analysis Date: 9/15/2017	RunNo: 45653		RPDLimit Qual

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albuc TEL: 505-345-3975 I Website: www.hal	ins NE 87109 Sam 5-4107	Sample Log-In Check List			
Client Name: GHD	Work Order Number:	1709709		RcptNo:	1	
Received By: Erin Melendrez	9/12/2017 10:15:00 AM		UL MA	,		
Completed By: Ashley Gallegos	9/13/2017 3:23:05 PM		AJ			
Reviewed By: SRE 09/14	/17		U			
Chain of Custody						
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗆	Not Present 🗹		
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present		
3. How was the sample delivered?		<u>Courier</u>				
<u>Log In</u>				_		
4. Was an attempt made to cool the sample	es?	Yes 🗹	No 🗌	na 🗆		
5. Were all samples received at a temperate	are of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌		
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗌			
7. Sufficient sample volume for indicated test	ot(s)?	Yes 🗹	No 🗌			
8. Are samples (except VOA and ONG) prop	perly preserved?	Yes 🗹	No 🗌	_		
9. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗔		
10.VOA vials have zero headspace?		Yes 🗌	No 🗔	No VOA Vials 🗹		
11. Were any sample containers received broken	oken?	Yes ∐	No 🗹	# of preserved		
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗔	for pH:	>12 unless noted)	
13. Are matrices correctly identified on Chain	of Custody?	Yes 🗹	No 🗌	Adjusted?		
14. Is it clear what analyses were requested?		Yes 🗹	No 🗌			
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:		
0						
<u>Special Handling (if applicable)</u> 16. Was client notified of all discrepancies wi	th this order?	Yes 🗌	No 🗌	NA 🔽		
Person Notified: By Whom:	Date Via: [] eMail [Phone 🗍 Fax	🗌 In Person		
Regarding:	τις. [
Client Instructions:			ana kana kana kana kana kana kana kana			
17. Additional remarks:					J	

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.1	Good	Yes			

	2C-14 4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	0""20") v(2) v(2) v(2) v(2) v(2) v(2) v(2) v(2	0 / DRO (1.81) (1.41) (1.40) (HEAL No. HEAL No. HEAL No. HEAL No. HAT HAT HAT HAT HAT HAT HAT HAT	X	- 002 X	-003 X			Pate Time Remarks:
Turn-Around Time:	WAR AN	Project #. 11(3525-0-01	Project Manager: Be crieved Bockisch	Sampler / lichere (Cant On los: XYes UNO	emperature: 5,	Container Preservative HEA Type and # Type (1709)	the Solitant CE -					NNN
Jy Record The	ian Scheel Rise 200	872	5	D Level 4 (Full Validation)	0	Sample Request ID	SUBSASSOCY CROWNING TRUNE	5-11972200-00-00011 WETP17-2	S 1135350-01-000-00-18-5			(and
Hain-of-Custod	Mailing Address: (1217	NE Albuquerque NM Phone #: SCS 5821 OL	Fax#: Paring A	tard	(Type)	Time Matrix	Volo S	icuts s	tills s			time: Relinquished by: 1940 All 414 Time: Relingurited by:
Client CHD	Mailing	NE AN Phone #	email or Fax#; QA/QC Package:	C Standard Accreditation	C EDD (Type)	Dale	116	2/2	47			Alulton Phylin



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

February 26, 2018 Bernie Bockisch GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110 TEL: (505) 884-0672 FAX

RE: 2C14

OrderNo.: 1802935

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 11 sample(s) on 2/16/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order: 1802935

Date Reported: 2/26/2018

CLIENT: C	HD				Lab O	rder: 1802	935	
Project: 2	C14							
Lab ID:	1802935-001			Collection D	ate: 2/1	3/2018 12:55:00	PM	
Client Sample ID:	\$1135250-01-02131	8-JP-TP-19-8		Mat	trix: SO	IL		
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Batc	h IE
EPA METHOD 300	.0: ANIONS					An	alyst: C	JS
Chloride		590	30	mg/Kg	20	2/22/2018 11:31:0	0 AM 3	86659
EPA METHOD 801	5M/D: DIESEL RANG	E ORGANICS				An	alyst: T	ом
Diesel Range Orga	nics (DRO)	ND	10	mg/Kg	1	2/20/2018 12:43:3	1 PM 3	86598
Motor Oil Range Or	ganics (MRO)	ND	51	mg/Kg	1	2/20/2018 12:43:3	1 PM 3	86598
Surr: DNOP		99.9	70-130	%Rec	1	2/20/2018 12:43:3	1 PM 3	86598
EPA METHOD 801	5D: GASOLINE RANG	θE				An	alyst: N	ISB
Gasoline Range Or	ganics (GRO)	ND	4.6	mg/Kg	1	2/19/2018 1:17:45	PM 3	86571
Surr: BFB		86.9	15-316	%Rec	1	2/19/2018 1:17:45	PM 3	86571
Lab ID:	1802935-002			Collection D	ate: 2/1	3/2018 1:50:00 P	М	
Client Sample ID:	S1135250-01-02131	8-JP-TP-20-8		Mat	t rix: SO	IL		
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Bate	h ID
EPA METHOD 300	.0: ANIONS					An	alyst: C	JS
Chloride		950	30	mg/Kg	20	2/22/2018 12:08:1	3 PM 3	86659
	5M/D: DIESEL RANG	E ORGANICS				An	alyst: T	ом
EPA METHOD 801						2/20/2018 1:08:01	DM 2	86598
EPA METHOD 801 Diesel Range Organ	nics (DRO)	ND	9.8	mg/Kg	1	2/20/2010 1.00.01	FIVI J	
		ND ND	9.8 49	mg/Kg mg/Kg	1	2/20/2018 1:08:01		86598
Diesel Range Organ							PM 3	86598 86598
Diesel Range Organ Motor Oil Range Or Surr: DNOP		ND 91.5	49	mg/Kg	1	2/20/2018 1:08:01 2/20/2018 1:08:01	PM 3	86598
Diesel Range Organ Motor Oil Range Or Surr: DNOP	ganics (MRO) 5D: GASOLINE RANG	ND 91.5	49	mg/Kg	1	2/20/2018 1:08:01 2/20/2018 1:08:01	PM 3 PM 3 alyst: N	86598

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 1 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Lab Order: 1802935

Date Reported: 2/26/2018

	GHD				Lab Order: 1802935
Project: 2	C14				
Lab ID:	1802935-003			Collection D	Date: 2/14/2018 1:45:00 PM
Client Sample ID:	S1135250-01-02141	8-MG-TP-21		Ma	trix: SOIL
Analyses		Result	PQL Qua	l Units	DF Date Analyzed Batch
EPA METHOD 300	.0: ANIONS				Analyst: CJ
Chloride		260	30	mg/Kg	20 2/22/2018 12:20:37 PM 36
EPA METHOD 801	5M/D: DIESEL RANG	GE ORGANICS			Analyst: TC
Diesel Range Orga	nics (DRO)	98	10	mg/Kg	1 2/20/2018 4:48:28 PM 36
Motor Oil Range Or	ganics (MRO)	190	51	mg/Kg	1 2/20/2018 4:48:28 PM 36
Surr: DNOP		85.6	70-130	%Rec	1 2/20/2018 4:48:28 PM 36
EPA METHOD 801	5D: GASOLINE RAN	GE			Analyst: NS
Gasoline Range Or	ganics (GRO)	ND	4.8	mg/Kg	1 2/19/2018 2:05:08 PM 36
Surr: BFB		83.7	15-316	%Rec	1 2/19/2018 2:05:08 PM 36
Lab ID:	1802935-004			Collection D	Date: 2/14/2018 1:48:00 PM
Client Sample ID:	S1135250-01-02141	8-MG-TP-23		Ma	trix: MEOH (SOIL)
Analyses		Result	PQL Qua	l Units	DF Date Analyzed Batch
EPA METHOD 300	.0: ANIONS				Analyst: MI
Chloride		1700	75	mg/Kg	50 2/16/2018 12:27:40 PM 36
EPA METHOD 801	5D MOD: GASOLINE	RANGE			Analyst: AC
Gasoline Range Or	ganics (GRO)	ND	5.0	mg/Kg	1 2/16/2018 1:02:36 PM s4
Surr: BFB		122	70-130	%Rec	1 2/16/2018 1:02:36 PM s4
EPA METHOD 801	5M/D: DIESEL RANG	BE ORGANICS			Analyst: TC
Diesel Range Orga	nics (DRO)	ND	10	mg/Kg	1 2/16/2018 11:13:56 AM 36
2 0					
Motor Oil Range Or	ganics (MRO)	ND	50	mg/Kg	1 2/16/2018 11:13:56 AM 36

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 2 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Lab Order: 1802935

Date Reported: 2/26/2018

CLIENT: C	GHD				Lab O	rder: 1802	935	
	2C14				Lub O	1002	.,	
Lab ID:	1802935-005			Collection Da	ate: 2/1	4/2018 1:50:00 F	PM	
Client Sample ID:	S1135250-01-02141	8-MG-TP-24		Mat	rix: ME	EOH (SOIL)		
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS					Ar	alyst:	MRA
Chloride		150	30	mg/Kg	20	2/16/2018 11:50:2	27 AM	36567
EPA METHOD 801	5D MOD: GASOLINE	RANGE				Ar	alyst:	AG
Gasoline Range Or	ganics (GRO)	ND	5.0	mg/Kg	1	2/16/2018 1:25:26	6 PM	s4919
Surr: BFB		123	70-130	%Rec	1	2/16/2018 1:25:26	6 PM	s4919
EPA METHOD 801	5M/D: DIESEL RANG	E ORGANICS				Ar	alyst:	том
Diesel Range Orga	nics (DRO)	18	9.9	mg/Kg	1	2/16/2018 11:36:0	03 AM	36561
Motor Oil Range Or	ganics (MRO)	54	49	mg/Kg	1	2/16/2018 11:36:0	03 AM	36561
Surr: DNOP		102	70-130	%Rec	1	2/16/2018 11:36:0)3 AM	36561
Lab ID:	1802935-006			Collection Da	ate: 2/1	4/2018 1:52:00 F	РМ	
Client Sample ID:	S1135250-01-02141	8-MG-TP-25		Mat	rix: SO	IL		
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Ba	tch ID
								CJS
EPA METHOD 300	.0: ANIONS					Ar	alyst:	
EPA METHOD 300 Chloride	0.0: ANIONS	120	30	mg/Kg	20	Ar 2/22/2018 12:33:0	•	
Chloride).0: ANIONS 15M/D: DIESEL RANG	-	30	mg/Kg	20	2/22/2018 12:33:0	02 PM	
Chloride	5M/D: DIESEL RANG	-	30 9.9	mg/Kg mg/Kg	20 1	2/22/2018 12:33:0	02 PM nalyst:	36659 TOM
Chloride EPA METHOD 801	5M/D: DIESEL RANG	SE ORGANICS				2/22/2018 12:33:0 Ar	02 PM nalyst: 1 PM	36659
Chloride EPA METHOD 801 Diesel Range Organ	5M/D: DIESEL RANG	BE ORGANICS	9.9	mg/Kg	1	2/22/2018 12:33:0 Ar 2/20/2018 5:37:14)2 PM halyst: 1 PM 1 PM	36659 TOM 36598
Chloride EPA METHOD 801 Diesel Range Organ Motor Oil Range Or Surr: DNOP	5M/D: DIESEL RANG	BE ORGANICS ND ND 88.4	9.9 50	mg/Kg mg/Kg	1	2/22/2018 12:33:0 Ar 2/20/2018 5:37:14 2/20/2018 5:37:14 2/20/2018 5:37:14	02 PM halyst: 1 PM 1 PM 1 PM	36659 TOM 36598 36598
Chloride EPA METHOD 801 Diesel Range Organ Motor Oil Range Or Surr: DNOP	5M/D: DIESEL RANG nics (DRO) rganics (MRO) 5D: GASOLINE RAN	BE ORGANICS ND ND 88.4	9.9 50	mg/Kg mg/Kg	1	2/22/2018 12:33:0 Ar 2/20/2018 5:37:14 2/20/2018 5:37:14 2/20/2018 5:37:14	02 PM nalyst: 4 PM 4 PM 4 PM 4 PM nalyst:	36659 TOM 36598 36598 36598

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 3 of 10 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

Lab Order: 1802935

Date Reported: 2/26/2018

			51 y, 111c.		Date Reported. 2/20/2018			
	GHD C14				Lab Orde	r: 18029	35	
Lab ID:	1802935-007			Collection D	Date: 2/14/20	018 1:55:00 PN	Л	
Client Sample ID:	\$1135250-01-021418	8-MG-TP-27		Ma	trix: SOIL			
Analyses		Result	PQL Qu	al Units	DF Dat	te Analyzed	Batch ID	
EPA METHOD 300	.0: ANIONS					Ana	lyst: CJS	
Chloride		240	30	mg/Kg	20 2/2	2/2018 12:45:27	PM 36659	
EPA METHOD 801	5M/D: DIESEL RANG	E ORGANICS				Ana	lyst: TOM	
Diesel Range Orga	nics (DRO)	ND	9.9	mg/Kg	1 2/2	20/2018 2:45:53 F	PM 36598	
Motor Oil Range Or	ganics (MRO)	ND	49	mg/Kg	1 2/2	20/2018 2:45:53 F	PM 36598	
Surr: DNOP		89.0	70-130	%Rec	1 2/2	0/2018 2:45:53 F	PM 36598	
EPA METHOD 801	5D: GASOLINE RANG	E				Ana	lyst: NSB	
Gasoline Range Or	ganics (GRO)	ND	4.6	mg/Kg	1 2/1	9/2018 2:52:40 F	PM 36571	
Surr: BFB		86.4	15-316	%Rec	1 2/1	9/2018 2:52:40 F	PM 36571	
Lab ID:	1802935-008			Collection D	Date: 2/14/20	018 2:00:00 PN	Л	
Client Sample ID:	S1135250-01-021418	8-MG-TP-28		Ma	trix: SOIL			
Analyses		Result	PQL Qu	al Units	DF Dat	te Analyzed	Batch ID	
EPA METHOD 300	.0: ANIONS					Ana	lyst: CJS	
Chloride		650	30	mg/Kg	20 2/2	2/2018 12:57:51	PM 36659	
EPA METHOD 801	5M/D: DIESEL RANG	E ORGANICS				Ana	lyst: TOM	
Diesel Range Orgai	nics (DRO)	ND	9.7	mg/Kg	1 2/2	20/2018 3:10:29 F	PM 36598	
Dicsel Range Organ					4 0/0			
Motor Oil Range Or		ND	48	mg/Kg	1 2/2	0/2018 3:10:29 F	PM 36598	
		ND 78.1	48 70-130	mg/Kg %Rec		20/2018 3:10:29 F 20/2018 3:10:29 F		
Motor Oil Range Or Surr: DNOP		78.1	-	• •		20/2018 3:10:29 F		
Motor Oil Range Or Surr: DNOP	ganics (MRO) 5D: GASOLINE RANG	78.1	-	• •	1 2/2	20/2018 3:10:29 F	PM 36598 Ilyst: NSB	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 4 of 10 J
- Sample pH Not In Range Р
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

Lab Order: 1802935

Date Reported: 2/26/2018

CLIENT: G	HD				Lab O	rder: 18029	935	
	C14				Lab	1002	/55	
Lab ID:	1802935-009			Collection D	ato, 2/1	4/2018 2:02:00 P	м	
		NC TD 20			trix: SO		.vi	
Client Sample ID:	\$1135250-01-02141	18-MG-1P-29			IFIX: 50	IL		
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Ba	tch II
EPA METHOD 300	.0: ANIONS					An	alyst:	CJS
Chloride		630	30	mg/Kg	20	2/22/2018 1:10:16	PM	36659
EPA METHOD 801	5M/D: DIESEL RANG	GE ORGANICS				An	alyst:	том
Diesel Range Orgar	nics (DRO)	ND	9.7	mg/Kg	1	2/20/2018 3:34:54	PM	36598
Motor Oil Range Or	ganics (MRO)	ND	48	mg/Kg	1	2/20/2018 3:34:54	PM	36598
Surr: DNOP		72.9	70-130	%Rec	1	2/20/2018 3:34:54	PM	36598
EPA METHOD 801	5D: GASOLINE RAN	GE				An	alyst:	NSB
Gasoline Range Org	ganics (GRO)	ND	4.8	mg/Kg	1	2/19/2018 5:14:21	PM	3657 ⁻
Surr: BFB		89.4	15-316	%Rec	1	2/19/2018 5:14:21	PM	3657 ⁻
Lab ID:	1802935-010			Collection D	ate: 2/1	4/2018 2:05:00 P	М	
Client Sample ID:	\$1135250-01-02141	8-MG-TP-30		Mat	t rix: SO	IL		
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Ba	tch II
EPA METHOD 300	.0: ANIONS					An	alyst:	CJS
Chloride		410	30	mg/Kg	20	2/22/2018 1:22:40	PM	36659
EPA METHOD 801	5M/D: DIESEL RANG	GE ORGANICS				An	alyst:	том
Diesel Range Orgar	nics (DRO)	ND	10	mg/Kg	1	2/20/2018 3:59:41	PM	36598
Motor Oil Range Or		ND	50	mg/Kg	1	2/20/2018 3:59:41	PM	36598
		82.8	70-130	%Rec	1	2/20/2018 3:59:41	PM	36598
Surr: DNOP								
	5D: GASOLINE RAN	GE				An	alyst:	NSB
		GE ND	4.8	mg/Kg	1	An 2/19/2018 5:37:56		NSB 3657

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 5 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Lab Order: 1802935

Date Reported: 2/26/2018

CLIENT: Project:	GHD 2C14				Lab Or	r der: 18029	935
Lab ID: Client Sample	1802935-011 ID: \$1135250-01-021:	518-MG-TP-32			ate: 2/15 trix: SO	5/2018 11:52:00 A L	АМ
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD	300.0: ANIONS					Ana	alyst: CJS
Chloride		270	30	mg/Kg	20	2/22/2018 1:59:55	PM 36659
	8015M/D: DIESEL RAN	IGE ORGANICS				Ana	alyst: TOM
Diesel Range	Organics (DRO)	34	9.4	mg/Kg	1	2/20/2018 4:24:04	PM 36598
Motor Oil Rang	ge Organics (MRO)	69	47	mg/Kg	1	2/20/2018 4:24:04	PM 36598
Surr: DNOP)	70.4	70-130	%Rec	1	2/20/2018 4:24:04	PM 36598
	8015D: GASOLINE RA	NGE				Ana	alyst: NSB
Gasoline Rang	ge Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2018 6:01:28	PM 36571
Surr: BFB		88.3	15-316	%Rec	1	2/19/2018 6:01:28	PM 36571

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 6 of 10 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc

WO#: 1802935 26-Feb-18

Client:	GHD			
Project:	2C14			
Sample ID	MB-36567	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 36567	RunNo: 49185	
Prep Date:	2/16/2018	Analysis Date: 2/16/2018	SeqNo: 1587341 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RI	PD RPDLimit Qual
Chloride		ND 1.5		
Sample ID	LCS-36567	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 36567	RunNo: 49185	
Prep Date:	2/16/2018	Analysis Date: 2/16/2018	SeqNo: 1587342 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RI	PD RPDLimit Qual
Chloride		14 1.5 15.00	0 92.2 90 110	
Sample ID	MB-36659	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 36659	RunNo: 49283	
Prep Date:	2/21/2018	Analysis Date: 2/22/2018	SeqNo: 1591817 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RI	PD RPDLimit Qual
Chloride		ND 1.5		
Sample ID	LCS-36659	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 36659	RunNo: 49283	
Prep Date:	2/21/2018	Analysis Date: 2/22/2018	SeqNo: 1591818 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RI	PD RPDLimit Qual
Chloride		14 1.5 15.00	0 95.1 90 110	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 7 of 10

Client: Project:	GHD 2C14										
-	LCS-36561	SamoT	ype: LC	s	Tes	tCode: Fl	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:)po: 			RunNo: 4		001011/2.21	coernang	e organios	
	2/16/2018	Analysis D				SeqNo: 1		Units: mg/k	(a		
	2/10/2010					•		•	•		
Analyte	Ormanias (DDO)	Result	PQL 10		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOF	Organics (DRO)	44 4.2	10	50.00 5.000	0	88.1 84.3	70 70	130 130			
Sun: Divor		7.2		0.000		04.0	10	100			
Sample ID	MB-36561	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 36	561	F	RunNo: 4	9187				
Prep Date:	2/16/2018	Analysis D	ate: 2/	16/2018	S	SeqNo: 1	586298	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
	ge Organics (MRO)	ND	50								
Surr: DNOF)	9.8		10.00		98.5	70	130			
Sample ID	LCS-36598	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 36	598	F	RunNo: 4	9233				
Prep Date:	2/19/2018	Analysis D	vate: 2/	20/2018	5	SeqNo: 1	588512	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	47	10	50.00	0	93.3	70	130			
Surr: DNOF)	4.5		5.000		90.7	70	130			
Sample ID	MB-36598	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 36	598	F	RunNo: 4	9233				
Prep Date:	2/19/2018	Analysis D	vate: 2/	20/2018	5	SeqNo: 1	588513	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
	ge Organics (MRO)	ND	50								
Surr: DNOF)	9.0		10.00		90.1	70	130			

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 8 of 10

GHD

Project: 2C14										
Sample ID MB-36571	Samp	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Batc	h ID: 36	571	F	RunNo: 4	9215				
Prep Date: 2/16/2018	Analysis E	Date: 2/	19/2018	S	SeqNo: 1	587995	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.6	15	316			
Sample ID LCS-36571	Samp	ype: LC	S	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batc	h ID: 36	571	F	RunNo: 4	9215				
Prep Date: 2/16/2018	Analysis I	Date: 2/	19/2018	S	SeqNo: 1	587996	Units: mg/ł	٨g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	75.9	131			
Surr: BFB	960		1000		95.5	15	316			

Qualifiers:

Client:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

530

Qual

Qual

Client: GHD **Project:** 2C14 Sample ID rb SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: PBS Batch ID: s49191 RunNo: 49191 Prep Date: Analysis Date: 2/16/2018 SeqNo: 1586433 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 570 500.0 113 70 130 TestCode: EPA Method 8015D Mod: Gasoline Range Sample ID 2.5ug gro Ics SampType: LCS Client ID: LCSS Batch ID: s49191 RunNo: 49191 Prep Date: Analysis Date: 2/16/2018 SeqNo: 1586436 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Gasoline Range Organics (GRO) 25 5.0 25.00 0 99.6 70 130

107

70

130

500.0

Qualifiers:

Surr: BFB

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 10 of 10

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: vywy.hallenvironmental.com

Sample Log-In Check List

and the second second

Client Name:	GHD	Work Order Numbe	er: 180	2935			Ropti	No: 1
Received By:	Sophia Campuzano	2/16/2018 9:30:00 AM	N		: • • • • • • • •			
Completed By:	Anne Thorne	2/16/2018 9:50:28 AM	м		anne .	1.		
Reviewed By:	DDS	2116/13			and ,	<i>A</i> ¹ <i>C</i>		
MW 2/1	2/18							
Chain of Cust			Yes		No		Not Present	1
	sample delivered?		Cou		110			-
_ .	• • • • • •							
Log In		_				_	–	1
 Was an attem 	pt made to cool the samples	?	Yes		No		NA 🗌]
4. Were all samp	les received at a temperatu	re of >0° C to 6.0°C	Yes	✓	No		NA 🗆]
5. Sample(s) in p	proper container(s)?		Yes	⊻	No			
6. Sufficient sam	ple volume for indicated test	(s)?	Yes		No [
7. Are samples (e	except VOA and ONG) prope	erly preserved?	Yes	✓	No [
8. Was preservat	ive added to bottles?		Yes		No	✓	NA 🗌	
9. VOA vials have	e zero headspace?		Yes		No [No VOA Vials 🗹	
10. Were any sam	ple containers received brol	ken?	Yes		No [✓ -	# of preserved bottles checked	
	rk match bottle labels? ncies on chain of custody)		Yes	✓	No [for pH: (<2	or >12 unless noted)
	orrectly identified on Chain o	of Custody?	Yes	_	No [_	Adjusted?	
	analyses were requested?				No L		Oh e alve al law	
	ig times able to be met? stomer for authorization.)		Yes	✓	No		Checked by:	
Special Handli	ng (if applicable)							
15. Was client по	tified of all discrepancies wit	h this order?	Yes		No		NA 🗹	
Person	Notified:	Date:					-	
By Who	m:	Via:	🗌 eMa	ail 📃] Phone	Fax	In Person	
Regardi	ng:	ti manini ndemakanakati na bati sance kanana na kanca senderaran sancanan manana manana sana sana sana sana s			ann an acharan an suite luine luine luine luine	nd harden. Des Aufle	ni selantik denakari dan dan dari dari dari dari dari dari dari dari	
Client In	structions:	999 a New Million & Million & Wolf and mark for the Advision Schwarz Source concerns and concerns and an and a		******	nnen er en helen in den en helen adder he	erhoffens hof hefte	n a dh'an tao faon ann ann an	
16. Additional rer	narks:	•						
17. <u>Cooler Inforr</u>	1 1 1							
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Da	ate	Signed B	y j		

,	25			Standard	C Rush		L	f	•	NA	2	UL	I A E	002	VOUT OUAL VETC I APODATODV	20
				Project Name:				8	1			9	5	20		5
Mailing A	ddress	6121	Mailing Address: 6121 Indian School R& NE	70	HOT			41001	4901 Hawkins NE	s NE	www.naiienvironmentai.com	amno	ue. NI	Arbuquerque, NM 87109	6(
Suite 200, Albaqueque NM Phone # (505) 884-0672	00. Al	buguer	0	Project #:	10-05			Tel. 5	Tel. 505-345-3975		2	Fax 50t ysis Re	505-345-4107 Request	4107		
email or Fax#:	·#XB	Berna	Bernyrd. Bock Sch Oghd Gu Project Manager.	Project Mana	iger:		-	· · · ·		-		(*(-		-
DA/OC Package:	ickage: ard		Level 4 (Full Validation)	Bei	Bernard Bo	Bochisch			-	(SMI						_
Accreditation	tion	2		Sampler: JP, MG	P.MG		_			-		0.00	700		Ø	()
D NELAP	0	D Other		On Ice:	X Yes	D No	_			_				(¥	۶.	A 10
D EDD (Type)	Type)			Sample Temperature:	perature: 1.0			~		_	sleja		-	01-	7) Y)
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. RO2935	BTEX + MT	тм + хэта 82гоя нэт	TPH (Metho	ontem) 803 168) a HA9	BM 8 ARDR	D,7) anoinA 8081 Pestic	8260B (VO/	im92) 0728	HSON	Air Bubbles
2-13-18 1	1255	1:15	5-11135250-01-021318-57-77-61-8 Swed Jac 4 02	Shurs Juck ne	ICE	102	-	X				-			×	
2-12-18	1350	175	5-11135250 -01-023557 TP.20- 5 42 6 1.55 Jac	the Lichest Jac	コッエ	202		×				-			×	
2/14/18/	SHE	S	してよしているのでしょうとう			202		X				-		-	X	
	8 451		STUBSE-61-03418-215-23	Muk Lit	haven	102		X		-		-		-	XX	
N	135 t			plucated		52		X							XX	
N.	352		5-1135356-61-1231418-11-5-25-25			de		X				-			X	
1	355		C.G. J.L-J.W-BIHED-10-0505511-2			401		X						•	X	
	1466		Britssess or could by Brits 78.28			108		Х				-			X	
1 1	1402		S-W35350-DI-DZIHIBMETP-29			602		X				-			X	
1	2341		Serge Shappen a superior			-210		X							X	
2/16/18/152	52		5-1135256-01-24 10-9525211-2			112		X				-			X	
1	1		S-MESSER DI-COMERCIA	Ť	1	- Addinger		1	1					-	1	
The T	Time:	Relinquighes by	6	Receivedby	1	2/13/8 1430	Remarks: Plee	rks: east		rush	5	18-31	16	12	TP-24	-
	(d b)	Relindrish	Show with the second se	Received by:	COUVIE	rier Date Time	4	or analysis	UNA	itsi	C	esults	57	50	2/19	200



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

May 02, 2018

Bernie Bockisch GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110 TEL: (505) 884-0672 FAX

RE: 2C-14-3

OrderNo.: 1804D62

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/27/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

A	na	aly	tic	al Report
		0		100 10 10

Lab Order: 1804D62

Date Reported: 5/2/2018

CLIENT:	GHD				Lab O	order: 1804	D62
Project:	2C-14-3						
Lab ID:	1804D62-001			Collection D	ate: 4/2	5/2018 1:32:00 P	Μ
Client Sample II	D: S-11135250-1-425	18-BB-TP33		Ma	trix: SO	IL	
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 3	300.0: ANIONS					An	alyst: MRA
Chloride		2000	75	mg/Kg	50	5/1/2018 11:54:58	AM 37867
EPA METHOD 8	015M/D: DIESEL RAN	GE ORGANICS				An	alyst: TOM
Diesel Range Or	ganics (DRO)	13	10	mg/Kg	1	5/1/2018 10:50:37	AM 37865
Motor Oil Range	Organics (MRO)	ND	51	mg/Kg	1	5/1/2018 10:50:37	AM 37865
Surr: DNOP		71.6	70-130	%Rec	1	5/1/2018 10:50:37	AM 37865
EPA METHOD 8	015D: GASOLINE RA	NGE				An	alyst: NSB
Gasoline Range	Organics (GRO)	ND	4.9	mg/Kg	1	4/30/2018 12:49:4	0 PM 37835
Surr: BFB		92.2	15-316	%Rec	1	4/30/2018 12:49:4	0 PM 37835

Hall Environmental Analysis Laboratory, Inc.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 4
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: GHD Project: 2C-14-3

Sample ID MB-37867	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 37867	RunNo: 50935		
Prep Date: 4/30/2018	Analysis Date: 5/1/2018	SeqNo: 1653639	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Chloride Sample ID LCS-37867	ND 1.5 SampType: Ics	TestCode: EPA Method	300.0: Anions	
	-	TestCode: EPA Method RunNo: 50935	300.0: Anions	
Sample ID LCS-37867	SampType: Ics		300.0: Anions Units: mg/Kg	
Sample ID LCS-37867 Client ID: LCSS	SampType: Ics Batch ID: 37867 Analysis Date: 5/1/2018	RunNo: 50935	Units: mg/Kg	RPDLimit Qual

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 2 of 4

Client: GHD Project: 2C-14-3

	Comm			Т						
Sample ID LCS-37865	Sampr	ype: LC	.5	Tes		A wethod	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: 37	865	F	RunNo: 5	0940				
Prep Date: 4/30/2018	Analysis D	ate: 5/	1/2018	5	SeqNo: 1	654117	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.6	70	130			
					70.0	70	400			
Surr: DNOP	3.9		5.000		78.0	70	130			
Surr: DNOP Sample ID MB-37865		ype: ME		Tes			8015M/D: Die	esel Range	e Organics	
	SampT	ÿpe: ME n ID: 37	BLK			PA Method		esel Range	e Organics	
Sample ID MB-37865	SampT	n ID: 37	BLK	F	tCode: El	PA Method		U	e Organics	
Sample ID MB-37865 Client ID: PBS	SampT Batch	n ID: 37	3LK 865 1/2018	F	tCode: El	PA Method	8015M/D: Die	U	e Organics	Qual
Sample ID MB-37865 Client ID: PBS Prep Date: 4/30/2018 Analyte	SampT Batch Analysis D	n ID: 37 Date: 5/	3LK 865 1/2018	F	tCode: EF RunNo: 50 SeqNo: 10	PA Method 0940 654118	8015M/D: Die Units: mg/K	g	U	Qual
Sample ID MB-37865 Client ID: PBS Prep Date: 4/30/2018	SampT Batch Analysis D Result	n ID: 37 Pate: 5/ PQL	3LK 865 1/2018	F	tCode: EF RunNo: 50 SeqNo: 10	PA Method 0940 654118	8015M/D: Die Units: mg/K	g	U	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	GHD 2C-14-3										
Sample ID	MB-37835	SampTy	/pe: M	BLK	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch	ID: 37	835	F	RunNo: 5	0929				
Prep Date:	4/27/2018	Analysis Da	ate: 4/	30/2018	ç	SeqNo: 1	653363	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 950	5.0	1000		94.9	15	316			
Sample ID	LCS-37835	SampTy	/pe: LC	s	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	LCSS	Batch	ID: 37	835	F	RunNo: 5	0929				
Prep Date:	4/27/2018	Analysis Da	ate: 4/	30/2018	S	SeqNo: 1	653364	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	105	75.9	131			
Surr: BFB		1100		1000		107	15	316			
Sample ID	1804D62-001AMS	SampTy	/pe: M \$	6	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	S-11135250-1-425	18 Batch	ID: 37	835	F	RunNo: 5	0929				
Prep Date:	4/27/2018	Analysis Da	ate: 4/	/30/2018	S	SeqNo: 1	653368	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	24.88	0	104	77.8	128			
Surr: BFB		1000		995.0		105	15	316			
Sample ID	1804D62-001AMS	D SampTy	/pe: M \$	SD	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	S-11135250-1-425	18 Batch	ID: 37	835	F	RunNo: 5	0929				
Prep Date:	4/27/2018	Analysis Da	ate: 4/	30/2018	S	SeqNo: 1	653369	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	e Organics (GRO)	24	4.9	24.41	0	98.5	77.8	128	6.94	20	
Surr: BFB		1000		976.6		104	15	316	0	0	
Sample ID	MB-37842	SampTy	/pe: M	3LK	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:	PBS	Batch	ID: 37	842	F	RunNo: 5	0929		· · ·		
Prep Date:	4/27/2018	Analysis Da	ate: 4/	30/2018	S	SeqNo: 1	653372	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		880		1000		87.7	15	316			
Sample ID	LCS-37842	SampTy	/pe: LC	s	Tes	tCode: E	PA Method	8015D: Gasol	ine Rang	e	
Client ID:			ID: 37			RunNo: 5			U		
Prep Date:	4/27/2018	Analysis Da	ate: 4/	30/2018	S	SeqNo: 1	653373	Units: %Rec			
			DOI			VDEO	Loud imit	Llight insit	0/ 000		Qual
Analyte		Result	PQL	SPR value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank

Е Value above quantitation range

- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Work C	order Number: 1804D62	. *	RcptNo: 1	
Received By: Erin Melendrez 4/27/2018	3 9:00:00 AM	Mag	- 1 - 1 - 1 - - - 1 	
	3 9:23:08 AM	Murue Com		
		" furile Cares	J	
	•			
IYW 4127118 Chain of Custody		· ·		
1. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present	· · · · ·
 How was the sample delivered? 				
	<u>Courier</u>		-	
Log In		· ·	· · · · · ·	
3. Was an attempt made to cool the samples?	Yes 🔽	No 🛄		
4. Were all samples received at a temperature of >0° C to	6.0°C Yes ☑	No 🗌		• •
5. Sample(s) in proper container(s)?	Yes 🔽	No 🗌	:	
6. Sufficient sample volume for indicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) properly preserved	?Yes 🗹	No 🗌		-
8. Was preservative added to bottles?	Yes	No 🗹	NA 🗌	i
9. VOA vials have zero headspace?	Yes	No 🗌 No	VOA Vials 🗹	
10. Were any sample containers received broken?	Yes	No 🗹 🛛 🗰	of preserved	18
11 December 11 - 11 - 11		bot	ttles checked	10
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 	Yes 🗹	No 🛄 🛛 for	pH: (<201>12	unless noted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗆	Majusted?	
3. Is it clear what analyses were requested?	Yes 🗹	No 🗌	1. All and the second s	
4. Were all holding times able to be met?	Yes 🔽	No 🗌 🦯	Checked by:	
(If no, notify customer for authorization.)				
Special Handling (if applicable)	· ·	· · · · ·	· ·	
15. Was client notified of all discrepancies with this order?	Yes 🗌	No	NA 🗹	
Person Notified:	Date:			· · ·
By Whom:	Via: 🗌 eMail 🗌 P	hone 🛄 Fax 🔄 I	n Person	
Regarding:	·			
Client Instructions:				
16. Additional remarks:		·		
17. <u>Cooler Information</u>	_			
	Seal No Seal Date	Signed By		
1 3.8 Good Yes				

Culture CHORE Tule Existendard Frush TolHOM Mailing Address: ON F24C BStandard Frush TolHOM Mailing Address: ON F24C Project Name: 2C-14-3 Mailing Address: ON F24C Project Manager: 2C-14-3 Acreditation Project Manager: 2C-14-3 49 Acreditation DAC Project Manager: 2C-14-3 III (350) / 0/1 Project Manager: 11 (350) / 0/1 Acreditation BSTGAMAC BSTGAMAC III (360) Date Container III (360) Date Container III (360) Date Project Manager: Date Time Matrix Sampler: BEA Date Time Matrix Sampler Request ID Date Time Matrix Sampler BB-1458 Matrix Sample Request ID Type Date Time Matrix	
I Address: ON FTLE Project Name: # Address: ON FTLE Project Name: # Excert Project #: Project Wanager: I I I SSSS DC-14-3 Project #: Project #: Project #: Project #: Package: I I I SSSSO / O I I I I SSSSO / O I D AP Other AP Other AP Sample: BEA 402D Excert AP Sample: BEA 402D Excert AP Sample: Temperature: AP Other AP Sample: Temperature: AP Sample: Temperature: AP Other AP Sample: Temperature: AP Time AP Sample: Temperature: AP Type and # Type Type ISOH/NG2 POL AP Type Imation Type Time Natrix Sample: Temperature: DOI Imation Type Imatint Type <	4901 Hawkins NE 4901 Hawkins NE 7 7 7 7 7 7 8 8
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In Fax#: ISCANAD_BOULDELING(AD, AD Project Manager: Package: In Level 4 (Full Validation) Image: Image	BTEX + MTBE + TPH (Gas only) BTEX + MTBE + TPH (Gas only) TPH 8015B (GRO / DRO / MRO) PPH's (8310 or 8270 SIMS) PPH's (8310 or 820 PCB's PPH's (8310 or 820 PCB's) PPH's (8310 PCB's) PPH's (90 PCB's) PPH's (90 PCB's) PPH's (90 PCB's) PPH's (90 PCB's) PPH's (
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Idard Itation AP Level 4 (Full Validation) AP Other AP Other AP Other AP Other Sampler: GEO WOLD Structure On loe: Time Matrix Sample Request ID Type Sample Request ID Type Sample Request ID Type Sample Sample Request ID Type Type Sample Sample Request ID Type Type Sample Sample Request ID Type Sample Sample Request ID Type Sample Sample Sample Sample Request ID Type Sample Sampl	BTEX + MTBE + TPH (Game) BTEX + MTBE + TPH (Game) TPH 8015B (GRO / DRO, TPH (Method 418.4) & I EDB (Method 504.1) PAH's (8310 or 8270 SIM: RCRA 8 Metals Anions (F,CI,NO ₃ ,NO ₂ ,PO 8081 Pesticides / 8082 PC 8260B (VOA) 8260B (VOA) 8220 (Semi-VOA)
AP Other Sampler: KEQ-MAD EX-MACL EX-MACL EX-MACL Intention 0 (Type) 0 (Type	HT + TPH MTBE + TPH TPH 8015B (GRO / DF TPH 8015B (GRO / DF TPH (Method 504.1) EDB (Method 504.1) PHY's (8310 or 8270 5 RCRA 8 Metals Anions (F,CI,NO ₃ ,NO ₂ , 8081 Pesticides / 8082 8220 (YOA) 8220 (YOA) (AOV) 8220 (Semi-VOA) 7 7 7 7 7 7 7 7 7 7 7 7 7
Arr Donlee: Preserves No 0 (Type) Sample Temperature: 5.8 1 (Type) Sample Request ID Sample Reservative Time Matrix Sample Request ID Time Matrix Sample Request ID Type and # Type 1 (33) Sont 5 (1135580-1-42588-7875) 4/0	* HTBE + MTBE + BTEX + MTBE + TPH 8015B (GRC TPH 8015B (GRC FDB (Method 504 Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, Cl, NO3, Store (F, NO3, Store (F, NO3, Store (F, NO3, Store
I Type Matrix Sample Request ID Container Container HEAL No. Time Matrix Sample Request ID Type and # Type HEAL No. 1333 Sarc S-1113SSS1-1-4558-7535 Yrz Xc OO1	HTBH HTBH HTBH HTDB HTDB HO15BH
Time Matrix Sample Request ID Container Preservative HEAL No. Type Type Type Type 1 1 1 1333 Sort S-1113SSS0-1-49588-7P3S 4/02 BTE A	TM + X3T8 TPH 4015B TPH 8015B TPH (Method EDB (Method SPH's (831 PAH's (831 PAH's (831 SPH's (831 PAH's (931
1332 Sar 5-1113586-1-4368-783-792 TC 001	
B Brancher BS . Received by A.20	emarks:
Date: Time: Relinquished by: A.27.107-DO Date Time O A.27.107-DO A/27/18	



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

August 08, 2018

Alan Brandon GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110 TEL: (505) 884-0672 FAX

RE: 2C-14

OrderNo.: 1808249

Dear Alan Brandon:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/4/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order: 1808249

Page 1 of 2

Hall Environ	mental Analysis Laboratory,	Lab Order: 1808249 , Inc. Date Reported: 8/8/2018
	GHD IC-14	Lab Order: 1808249
Lab ID:	1808249-001	Collection Date: 8/3/2018 10:35:00 AM
Client Sample ID:	S-11135250-01-080318-MG-SW-34-2'	Matrix: SOIL
Analyses	Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS 170	Analyst: MRA 30 mg/Kg 20 8/6/2018 10:03:15 AM 39600
Lab ID:	1808249-002	Collection Date: 8/3/2018 10:39:00 AM
Client Sample ID:	S-11135250-01-080318-MG-SW-35-2'	Matrix: SOIL
Analyses	Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS 130	Analyst: MRA 30 mg/Kg 20 8/6/2018 10:15:40 AM 39600
Lab ID:	1808249-003	Collection Date: 8/3/2018 10:45:00 AM
Client Sample ID:	S-11135250-01-080318-MG-SW-36-2'	Matrix: SOIL
Analyses	Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS 140	Analyst: MRA 30 mg/Kg 20 8/6/2018 10:28:04 AM 39600
Lab ID:	1808249-004	Collection Date: 8/3/2018 10:52:00 AM
Client Sample ID:	S-11135250-01-080318-MG-SW-37-2'	Matrix: SOIL
Analyses	Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS 130	Analyst: MRA 30 mg/Kg 20 8/6/2018 10:40:29 AM 39600
Lab ID:	1808249-005	Collection Date: 8/3/2018 10:58:00 AM
Client Sample ID:	S-11135250-01-080318-MG-SW-38-2'	Matrix: SOIL
Analyses	Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300).0: ANIONS	Analyst: MRA
Chloride	160	30 mg/Kg 20 8/6/2018 10:52:53 AM 39600

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method H	Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Pag
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 45
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: GHD Project: 2C-14

Sample ID MB-39600	SampType: MBLK	TestCode: EPA Method	d 300.0: Anions	
Client ID: PBS	Batch ID: 39600	RunNo: 53230		
Prep Date: 8/6/2018	Analysis Date: 8/6/2018	SeqNo: 1753102	Units: mg/Kg	
Analyte	Result PQL SPK val	ue SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chlorido				
Unionae	ND 1.5			
Sample ID LCS-39600	ND 1.5 SampType: LCS	TestCode: EPA Method	1 300.0: Anions	
	-	TestCode: EPA Method RunNo: 53230	1 300.0: Anions	
Sample ID LCS-39600 Client ID: LCSS	SampType: LCS		3 300.0: Anions Units: mg/Kg	
Client ID: LCSS	SampType: LCS Batch ID: 39600 Analysis Date: 8/6/2018	RunNo: 53230	Units: mg/Kg	RPDLimit Qual

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 2 of 2

Client Name:	GHD	Work Order Numbe	ar: 180824	9	B	cotNo 1
Received By	Erin Melendrez	8/4/2018 10:15:00 A/	M	Man	de-	
Completed By:	Ashley Gallegos	6/6/2018 8:41:05 AM	c	A		
Reviewed By:	20	8/6/18	Lab	eled b	Y' OF	08/00/18
Chain of Cus	tody				Q	
1. Is Chain of C	ustody complete?		Yes V	No	Not Present	口
2. How was the	sample delivered?		Courier			
Log In 3. Was an attern	npt made to cool the sem	nples?	Yes V	No	NA	.O
4. Were all samp	ples received at a tempe	rature of >0° C to 6.0°C	Yes 🗹	No		
5. Sample(s) in	proper container(s)?		Yes 🗸	No		
6, Sufficient sam	ple volume for indicated	test(s)?	Yes V	No.	2	
7. Are samples (except VOA and ONG)	roperly preserved?	Yes 🔽	No	2 · · · · ·	
8. Was preserva	live added to bottles?		Yes 🗆	No 5	MA	
9. VOA vials hav	e zero lieadspace?		Yes 🗌	No	No VOA Vials	2
10. Were any sar	nple containers received	broken?	Yes	No	# of preserved	
	ork match bottle labels? Incles on chain of custor	iy)	Yes V	No [for pH	d (2 or>(2 un(essynoted)
2 Are matrices o	correctly identified on Ch	ain of Custody?	Yes 🖌	No	Adjuste	- 1.0
3. Is it clear what	analysas were requeste	ed?	Yes 🖌	No	\sim	- 11001
	ng times able to be met? ustomer for authorization		Yes 🗹	No	Checked	by: 000
Special Handl	ing (if applicable)				/	
15. Was client no	tified of all discrepancies	with this order?	Yes 🗌	No	NA	
Person	Notified:	Date				
By Who	m:	Via	eMail	Phone Phone	Fax In Person	
Regard	ing:					
Client in	structions:					

A Rush 4 S hC, Hall ENVIRONMENTAL ANALYSIS LABORATORY ANALYSIS LABORATORY Www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 CO.O. Tel. 505-345-3975 Fax 505-345-4107	1) 1) 1) 1) 1) 1) 1) 1) 1) 1)	cq 204 90 418 3 (GBC + 18E +	BTEX + M	TCE -001	- D03	-003		-002		L & Bate Time Remarks: & Balle 1460 UR Nou	- CULIEC UN INTE
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August 09, 2017

DEAN ERICSON

ENERGY TRANSFER

P. O. BOX 1226

JAL, NM 88252

RE: 2 - C -14

Enclosed are the results of analyses for samples received by the laboratory on 08/03/17 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	08/03/2017		Sampling Date:	08/03/2017
Reported:	08/09/2017		Sampling Type:	Soil
Project Name:	2 - C -14		Sampling Condition:	** (See Notes)
Project Number:	141 SITE		Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN			

Sample ID: NORTH STOCK PILE (H702039-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2017	ND	191	95.4	200	3.04	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	196	97.8	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	98.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.9	% 34.7-15	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	08/03/2017		Sampling Date:	08/03/2017
Reported:	08/09/2017		Sampling Type:	Soil
Project Name:	2 - C -14		Sampling Condition:	** (See Notes)
Project Number:	141 SITE		Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN			

Sample ID: SOUTH STOCK PILE (H702039-02)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 72-148	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	08/07/2017	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2017	ND	191	95.4	200	3.04	
DRO >C10-C28	22.7	10.0	08/04/2017	ND	196	97.8	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	97.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	98.5	% 34.7-15	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

		ENERGY TRANSFER DEAN ERICSON P. O. BOX 1226 JAL NM, 88252 Fax To:		
Received:	08/03/2017		Sampling Date:	08/03/2017
Reported:	08/09/2017		Sampling Type:	Soil
Project Name:	2 - C -14		Sampling Condition:	** (See Notes)
Project Number:	141 SITE		Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN			

Sample ID: MIDDLE STOCK PILE (H702039-03)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/07/2017	ND	432	108	400	3.64	
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	08/04/2017	ND	191	95.4	200	3.04	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	196	97.8	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	94.4	28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.5	% 34.7-15	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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