

April 3, 2018 Reference No. 11135250-9

APPROVED

Mr. Dean Ericson ETC Field Services LLC 600 N. Marienfeld Suite 700 Midland, Texas 79701

Dear Mr. Ericson:

Re: Assessment Summary Report

MB-5-12 1RP-4621

ETC Field Services LLC

Site Location: Unit O, Sec. 7, T 25-S, R 37-E

(Lat 32.13797N°, Long -103.19837W°)

Lea County, New Mexico

NMOCD approves of the delineation completed for 1RP-4621.

By Olivia Yu at 12:02 pm, Apr 30, 2018

GHD Services, Inc. (GHD) is pleased to present this report for the above referenced site. The MB-5-12 (hereafter referred to as the "Site") is located within Unit O, Section 7, Township 25 South, Range 37 East, in Lea County, New Mexico (see Figure 1). The property is privately owned.

On November 14, 2016, a release of approximately 221.366 standard cubic feet (Mscf) of natural gas and 12.43 barrels (bbls) of oil were reported to the State of New Mexico Oil Conservation Division (NMOCD) via Form C-141. The release was a result of external corrosion on a section of 12-inch steel pipeline that created two holes approximately 10 feet apart from each other. Contaminated soils were excavated and stockpiled on site (see Figure 2). Release number 1RP-4621 was assigned to the Site by NMOCD.

1. Recommended Remediation Action Limits

Based on information available from the New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System website, the closest well with a recorded depth to water measurement is approximately 0.58 mile from the site. The depth to groundwater measured in this well was 55 feet (ft.) below ground surface (bgs). See Attachment A, Water Well Report for depth to water. Additionally, there are no well head protection areas or surface water bodies within 1,000 ft. of the Site. 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 (50-100 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*
Ranking Criteria Total Score	10*

Notes:

- Because the ranking criteria total score is 10, NMOCD established RRALs are 10 mg/kg for benzene, 50 mg/kg for total BTEX, 1,000 mg/kg for total TPH and 600 ppm for chlorides¹.
- NMOCD Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993 and recent discussions with Mr. Jim Griswold with the NMOCD.

Assessment Activities

Environmental Plus, Inc. (EPI) collected soil samples from five points (SP-1 through SP-5) within the spill area on January 19, 2017 and submitted them to Cardinal Laboratories in Hobbs, New Mexico. The approximate soil sample locations are shown on Figure 2. Sample depths ranged from 3 to 6 ft. bgs. The samples were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015, and chloride by SM45CL-B analysis.

BTEX and TPH constituents were not detected above the laboratory reporting limits (LRLs) for any of the submitted samples. Chloride concentrations ranged from below the LRL to 32 milligrams per kilogram (mg/kg). The EPI data is included in Attachment B.

GHD personnel performed additional limited soil sampling at the site on November 1, 2017 that included the collection of soil samples from 10 hand augured borings within the spill area. Ten soil samples, TP-1 through TP-10, were collected from depths of either 2 or 4 ft. bgs (see Figure 2 for locations) and submitted to Hall Environmental Analysis Laboratory (HEAL) located in Albuquerque, New Mexico. The samples were analyzed for BTEX by EPA Method 8021, TPH by EPA Method 8015, and chloride by EPA 300.0 analysis.

BTEX constituents were detected in one sample collected from four ft. bgs from location TP-3. Benzene was detected at a concentration of 0.15 mg/kg, ethylbenzene at a concentration of 0.81 mg/kg, and xylenes at a concentration of 1.4 mg/kg. BTEX was not detected above the LRLs in any other samples. Total TPH concentrations ranged from less than the LRL to 11,020 mg/kg and chloride concentrations ranged from less than the LRL to 200 mg/kg. Only one sample, collected from TP-3 at a depth of four ft. bgs, contained a total TPH concentration exceeding the RRAL. The laboratory report is included in Attachment C and the results are summarized on Figure 2 and in Table 1.

Additional assessment activities were performed by GHD on December 11, 2017 that included the collection of 3 samples (TP-11 through TP-13) for laboratory analysis. Samples were collected from

11135250Ericson-2



depths of either 6 or 8 ft. bgs and submitted to HEAL for TPH and chloride analysis. TPH concentrations ranged from 75 to 600 mg/kg and chloride concentrations ranged from 510 to 1,700 mg/kg. The samples collected from TP-11 at 8 ft. bgs and TP-12 at 6 ft.bgs both exceeded the chloride RRAL.

Additional assessment was performed by GHD on February 14, 2018 that included extending TP-11 to a depth of 18 ft. bgs with samples collected at 15 and 18 ft bgs. An additional soil sample was also collected from TP-14 at a depth of 4 ft. bgs. The samples were submitted to HEAL for TPH and chloride analysis. TPH concentrations ranged from below the LRL to 109 mg/kg and chloride concentrations ranged from below the LRL to 55 mg/kg.

3. Summary and Recommendations

Based on the laboratory results, the vertical and horizontal extent of impacted soil has been assessed to below the RRALs. Additional excavation in the release area was prevented due to the presence of several active pipelines (see Figure 2).

Based on this, GHD recommends the following:

- Request a variance from the NMOCD to leave the impacted soil in place in the area of the pipelines until these pipelines have been abandoned.
- The excavation should be backfilled with clean fill material to a depth of four ft. bgs, lined with a 20-mil liner, backfilled and wheel compacted to grade.

Following completion of the backfilling, revegetation of the site will be performed. Disturbed areas associated with the remediation efforts will be re-seeded with a landowner approved seed mixture.

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 Bernie Bockisch or myself at (505) 884-0672 or Bernard.Bockisch@ghd.com.

Sincerely,

GHD

Alan Brandon
Senior Project Manager

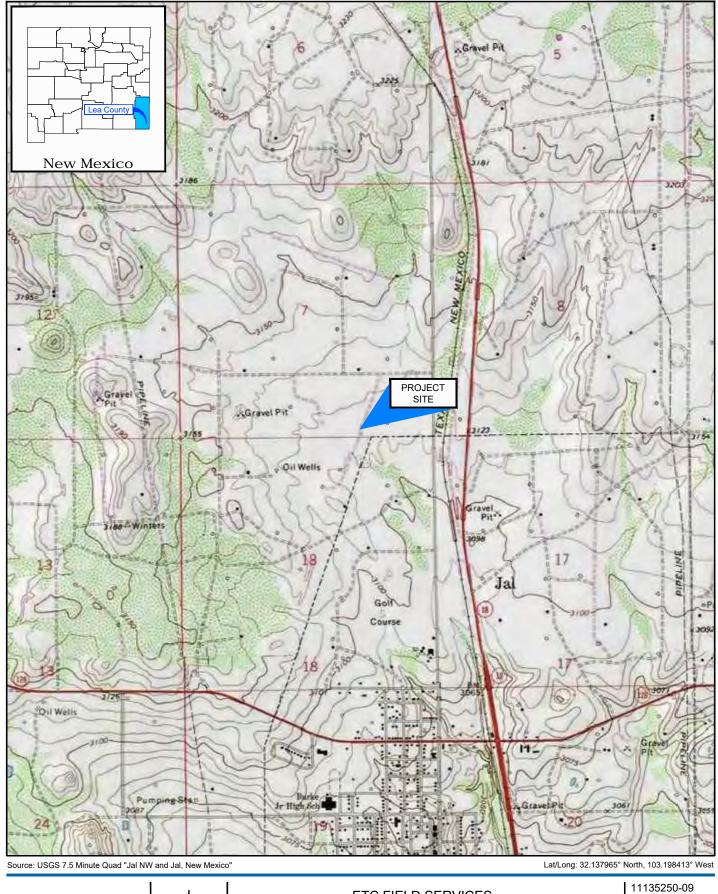
AK Brand

AB/ji/2 Encl. Jeffrey Walker Senior Project Manager

Je Waller

11135250Ericson-2 3

Figures



0 1000 2000ft

Coordinate System: NAD 1983 (2011) StatePlane-New Mexico East (US Feet)



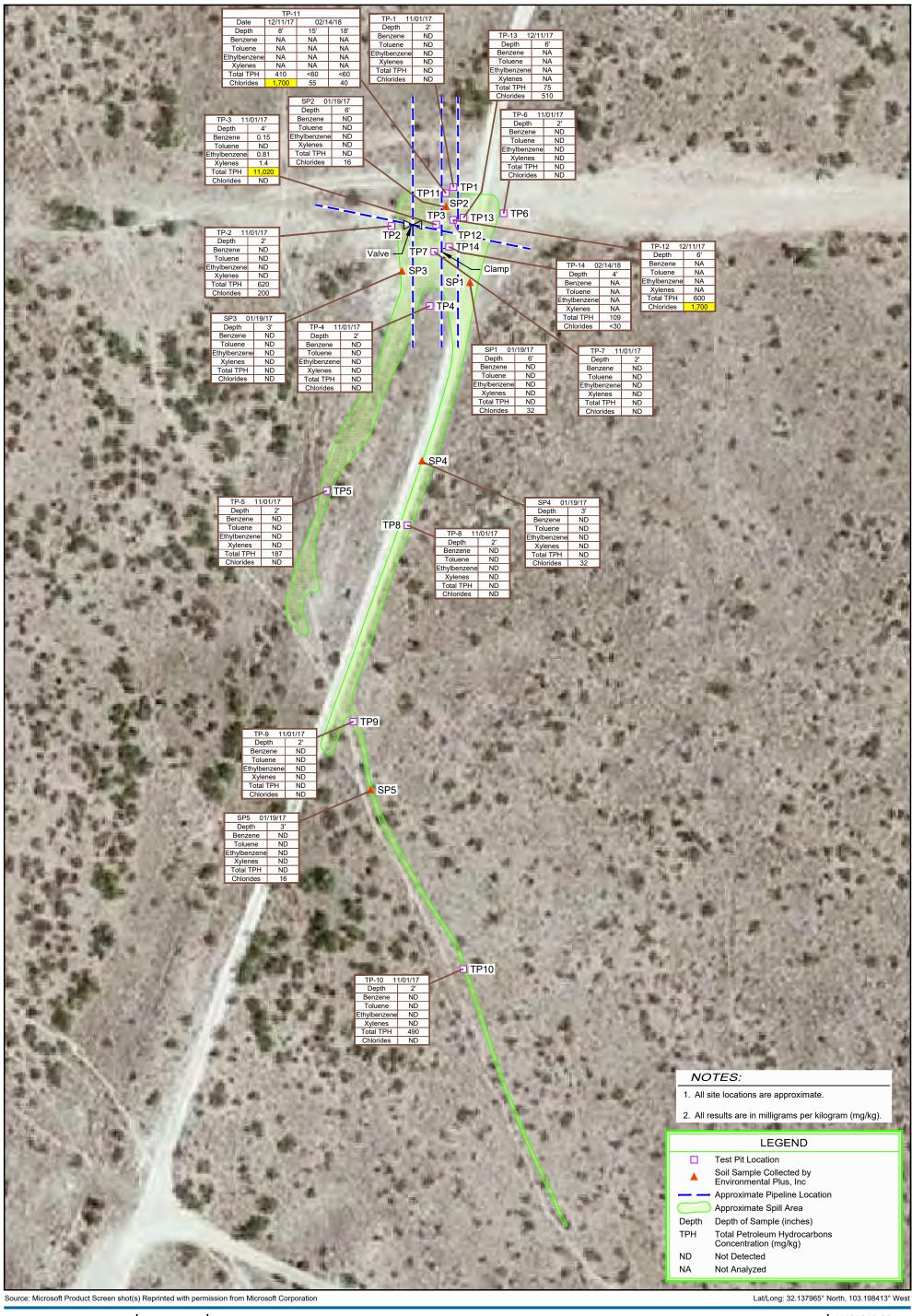
GHD

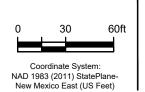
ETC FIELD SERVICES LEA COUNTY, NEW MEXICO MB-5-12

Nov 30, 2017

SITE LOCATION MAP

FIGURE 1









ETC FIELD SERVICES LEA COUNTY, NEW MEXICO MB-5-12

SOIL SAMPLE LOCATION

11135250-09 Mar 27, 2018

Table

Table 1

ETC Field Services LLC - MB-5-12 Section 7, Township 25 South, Range 37 East Lea County, New Mexico Soil Analytical Results Summary

Sample ID	Date	Sample Depth	Chlorides (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (C6-C-10) (mg/kg)	TPH DRO (C10-C28) (mg/kg)	EXT DRO (C28-C36)	Total TPH GRO/DRO (mg/kg)
		(ft.)	(ilig/kg)	(IIIg/kg)	(IIIg/kg)	(ilig/kg)	(IIIg/kg)	(IIIg/kg)	(ilig/kg)	(ilig/kg)	(mg/kg)	(ilig/kg)
NMOCD Remediatio	n Action Levels		600	10	NE	NE	NE	50	NE	NE	NE	1,000
						ASSESSME	NT SOIL SAMP	LES				
S11135250-9-110117-MG-TP-1-2	11/1/2017	2	<30	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.5	<47	<61.2
S11135250-9-110117-MG-TP-2-2	11/1/2017	2	200	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	190	430	620
S11135250-9-110117-MG-TP-3-4	11/1/2017	4	<30	0.15	<0.23	0.81	1.4	2.36	120	7,600	3,300	11,020
S11135250-9-110117-MG-TP-4-2	11/1/2017	2	<30	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.9	<50	<64.4
S11135250-9-110117-MG-TP-5-2	11/1/2017	2	<30	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	120	67	187
S11135250-9-110117-MG-TP-6-2	11/1/2017	2	<30	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.5	<47	<61.2
S11135250-9-110117-MG-TP-7-2	11/1/2017	2	<30	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	<9.5	<48	<62.1
S11135250-9-110117-MG-TP-8-2	11/1/2017	2	<30	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.8	<49	<63.4
S11135250-9-110117-MG-TP-9-2	11/1/2017	2	<30	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.6	<48	<62.6
S11135250-9-110117-MG-TP-10-2	11/1/2017	2	<30	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	250	240	490
S11135250-9-121117-MG-TP-11-8	12/11/2017	8	1,700	NA	NA	NA	NA	NA	<4.9	240	170	410
S11135250-9-021418-JP-TP-11-15	2/14/2018	15	55	NA	NA	NA	NA	NA	<4.9	<9.1	<46	<60.0
S11135250-9-021418-JP-TP-11-18	2/14/2018	18	40	NA	NA	NA	NA	NA	<4.8	<9.2	<46	<60
S11135250-9-121117-MG-TP-12-6	12/11/2017	6	1,700	NA	NA	NA	NA	NA	<4.9	410	190	600
S11135250-9-121117-MG-TP-13-6	12/11/2017	6	510	NA	NA	NA	NA	NA	<4.8	75	<49	75
S11135250-9-021418-JP-TP-14-4	2/14/2018	4	<30	NA	NA	NA	NA	NA	<4.9	57.0	52.0	109

Note:

Note:

Concentrations in yellow exceed the NMOCD Remediation Action Level
NE = Not Established
mg/kg = milligrams per Kilogram
NA = Not Analyzed
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
MRO = Motor Oil Range Organics
NMOCD = New Mexico Oil Conservation Division

Attachment A Water Well Reports



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix Indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM In meters)

(In feet)

		POD				_									14.10
POD Number	Code	Sub- basin	County	1.0	Q 116	.7		Tws	Rng	х	Y	DistanceDep	othWellDep	- Acces 10 10 10 10 10 10 10 10 10 10 10 10 10	Vater olumn
CP 01089 POD2		CP	LE	3	3	3	08	258	37E	670530	3557274	605	57		
CP 01089 POD1		CP	LE	3	3	3	08	258	37E	670529	3557286	608	71		
CP 00473 POD6		CP	LE	2	1	4	18	258	37E	669913	3556196*	948	100	55	45
CP 00473 POD8		CP	LE	2	1	4	18	258	37E	669913	3556196*	948	100		
CP 00473 POD9		CP	LE	1	2	4	18	258	37E	670115	3556202*	958	100	65	35

Average Depth to Water;

60 feet

Minimum Depth:

55 feet

Maximum Depth:

65 feet

Record Count:5

UTMNAD83 Radius Search (in meters):

Easting (X): 669937.94

Northing (Y): 3557144.48

Radius: 1000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/10/17 10:59 AM

WATER COLUMN/ AVERAGE DEPTH TO

Attachment B **EPI Data**

TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
Energy Transfer

MB-5-12

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
	3	In Situ	19-Jan-17	2.0	80			~~						
SP1	5	In Situ	19-Jan-17	2.9	80									
	6	In Situ	19-Jan-17	15.3	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32
	3	In Situ	19-Jan-17	3.5	80									
SP2	5	In Situ	19-Jan-17	2.0	80								-	
	6	In Situ	19-Jan-17	1.5	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	16
	Surface	In Situ	19-Jan-17	2.5	80									
SP3	1	In Situ	19-Jan-17	2.9	80	-					1			
313	2	In Situ	19-Jan-17	1.2	80					1				
	3	In Situ	19-Jan-17	1.5	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	<16.0
	Surface	In Situ	19-Jan-17	20.5	80									
SP4	1	In Situ	19-Jan-17	2.5	80				1			1		
SF4	2	In Situ	19-Jan-17	1.3	80									
	3	In Situ	19-Jan-17	1.0	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	32

TABLE 2 Summary of Soil Sample Field Testing and Laboratory Analytical Results **Energy Transfer**

MB-5-12

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
	Surface	In Situ	19-Jan-17	6.4	80		***	4+	H+	E.A.		144	, 	
SP5	1	In Situ	19-Jan-17	0,4	80	185	+	-	*	~-	1			
SPO	2	In Situ	19-Jan-17	0.2	80	- 44	(m), 4		3. =	15.	E-6.	100	-	-
	3	In Situ	19-Jan-17	0.1	80	<0.050	<0.050	< 0.050	<0.150	<0,300	<10.0	<10.0	<20.0	16
Stockpile I		In Situ	19-Jan-17	41.8	80	0.324	2.41	0.713	2.58	6.03	130	25,600	25,730	32
Stockpile 2		In Situ	19-Jan-17	955	560	<0.050	33.3	19.4	92.6	145	2,080	36,900	38,980	672
NMOCD		ended Reme evels	dial Action	100		10				50			1,000	600

-: = Not Analyzed

Buld values are in excess of NMOCD Recommended Remedial Action Levels



February 01, 2017

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: MB-5-12

Enclosed are the results of analyses for samples received by the laboratory on 01/30/17 15:55.

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.

Celeg & Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231

(505) 394-2601 Fax To:

Received: Reported:

BTEX 8021B

01/30/2017 02/01/2017

Project Name: Project Number: MB-5-12 NONE GIVEN

Project Location:

mg/kg

UL-O SEC.7, T25S, R37E

Reporting Limit

10.0

10.0

Sampling Date:

01/19/2017

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 (6') (H700223-01)

TPH 8015M	mg/l	c g	Analyze	d By: MS					
Chloride	32.0	16.0	01/31/2017	ND	416	104	400	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg/l	kg	Analyze	d By: AC				~	
Surrogate: 4-Bromofluorohenzeue (PIL	103 %	6 73.6-14	o						
Total BTEX	<0.300	0.300	01/31/2017	ND					
Total Xylenes*	<0.150	0.150	01/31/2017	ND	5.18	86.3	6.00	2.16	
Ethylbenzene*	<0.050	0.050	01/31/2017	ND	1.82	90.9	2.00	2.38	
Toluene*	<0.050	0.050	01/31/2017	ND	1.76	88.2	2.00	2.36	
Benzene*	< 0.050	0.050	01/31/2017	ND	1.75	87.3	2.00	2.04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
21711.75.000		-							

Method Blank

ND

ND

BS

194

234

% Recovery

96.9

117

True Value QC

200

200

RPD

0.147

0.541

Qualifier

Analyzed

01/31/2017

01/31/2017

Analyzed By: MS

Surrogate: 1-Chlorooctane	97.6 %	35-147
Surrogate: 1-Chloroactadecane	108 %	28-171

Result

<10.0

<10.0

Cardinal Laboratories

Analyte

GRO C6-C10

DRO >C10-C28

*=Accredited Analyte

any other cause shall be decreed valved unless made in smilling and received by Cardinal within burty (30) days after completion of the applicable renuce. In no event shall Cardinal be tubbe for indicated or concentrated demogration, including, without limitation, business instructions, loss of use, or loss of profits incurred by client, its substitutes, difficulties or successors arising out of or institute, business interruptions, loss of use, or loss of profits incurred by client, its substitutes, difficulties or successors arising out of or institute, business are reconstructed by Cardinal regardless of other time. claim is based upon any of the above stated ressens or otherwise. Hesuds relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Condinal Laboratorics.

Calley I Arana

Celey D. Keene, Lab Director/Quality Manager



Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231

Fax To:

(505) 394-2601

Received:

01/30/2017

Reported: Project Name: 02/01/2017 MB-5-12

Project Number:

NONE GIVEN

Project Location:

UL-O SEC.7, T25S, R37E

Sampling Date:

01/19/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 2 (6') (H700223-02)

BTEX 8021B	mg,	'kg	Analyze	d By: MS			- 101 B3		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	01/31/2017	ND	1.75	87.3	2.00	2.04	
Toluene*	< 0.050	0.050	01/31/2017	ND	1.76	88.2	2.00	2.36	
Ethylbenzene*	< 0.050	0.050	01/31/2017	ND	1.82	90.9	2.00	2.38	
Total Xylenes*	< 0.150	0.150	01/31/2017	ND	5.18	86.3	6.00	2.16	
Total BTEX	< 0.300	0.300	01/31/2017	ND					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	16.0	16.0	01/31/2017	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	Qualifie
GRO C6-C10	<10.0	10.0	01/31/2017	ND	194	96.9	200	0.147	
DRO >C10-C28	<10.0	10.0	01/31/2017	ND	234	117	200	0.541	

 Surrogate: 1-Chlorooctane
 88.2 %
 35-147

 Surrogate: 1-Chlorooctadecane
 95.7 %
 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cerdinal's liability and client's exclusive remedy for any claim ansing, whicher based in confract or text, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whotspecy abust be deemed warved unless made in writing and received by Cardinal within thirty (XX) days after connotition of the applicable service. In no event shall be fished for including, which is the connotition of the applicable service. In no event shall Cardinal on fished for including, which is the connotition of the applicable service. In no event shall cardinal or formation of the applicable service. In no event shall cardinal connection of the applicable service. In no event shall cardinal, regarding of whether such claims in shall provide a box and of provided and provided populary of the above shall discussions or otherwise. Heavily relate only to the amplies identified above. This repent shall not be reproduced except in full with written approval of Condinal Laboratories.

Clay Z. Hanne



Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231 Fax To: (505) 394-2601

Received:

01/30/2017

Reported: Project Name: 02/01/2017 MB-5-12

Project Number:

NONE GIVEN

Project Location:

UL-O SEC.7, T25S, R37E

Sampling Date:

01/19/2017

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 3 (3') (H700223-03)

BTEX 8021B	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2017	ND	1.75	87.3	2.00	2.04	
Toluene*	< 0.050	0.050	01/31/2017	ND	1.76	88.2	2.00	2.36	
Ethylbenzene*	< 0.050	0.050	01/31/2017	ND	1.82	90.9	2.00	2.38	
Total Xylenes*	< 0.150	0.150	01/31/2017	ND	5.18	86.3	6.00	2.16	
Total BTEX	<0.300	0.300	01/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	73.6-14	o						
Chloride, SM4500Cl-B	mg/l	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/31/2017	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/31/2017	ND	194	96.9	200	0.147	
DRO >C10-C28	<10.0	10.0	01/31/2017	ND	234	117	200	0.541	
Surrogate: 1-Chlorooctane	77.99	6 35-147							
Surrogate: 1-Chlorooctadecane	83.9 9	6 28-171							

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*=Accredited Analyte

PLIASE NOTE: Liability and Daminges. Cardenia's liability and client's exitualive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount pold by client for analysiss. All clams, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal waters they're (20) days after completion of the applicable service. The no event shall Contract be lable for including those for negligence and any other completions, business interruptions, loss of use, or loss of use, or loss of use, or loss of profits incured by client, its includings, affiliates or successors arising out of or intales to the performance of the services interember by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples contribed above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

College & Kanne



Environmental Plus, Inc. **Daniel Dominguez** P.O. Box 1558 Eunice NM, 88231

Fax To:

(505) 394-2601

Received:

01/30/2017 02/01/2017

Reported: Project Name:

MB-5-12

Project Number:

NONE GIVEN UL-O SEC.7, T25S, R37E

Project Location:

Sampling Date:

01/19/2017

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 (3') (H700223-04)

BTEX 8021B	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	01/31/2017	ND	1.75	87.3	2.00	2.04	
Toluene*	< 0.050	0.050	01/31/2017	ND	1.76	88.2	2.00	2.36	
Ethylbenzene*	<0.050	0.050	01/31/2017	ND	1.82	90.9	2.00	2.38	
Total Xylenes*	< 0.150	0.150	01/31/2017	ND	5.18	86.3	6.00	2.16	
Total BTEX	<0.300	0.300	01/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIE	102 %	73.6-14	o						
Chloride, SM4500CI-B	mg/l	¢g	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2017	ND	416	104	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS				3. 4.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/31/2017	ND	194	96.9	200	0.147	
DRO >C10-C28	<10.0	10.0	01/31/2017	ND	234	117	200	0.541	
Surrogate: 1-Chlorooctane	90.4%	35-147							
Surrogate: 1-Chlorooctadecane	92.0%	28-171							

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Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231

Fax To:

(505) 394-2601

Received:

01/30/2017

Reported:

02/01/2017 MB-5-12

Project Name: Project Number:

NONE GIVEN

Project Location:

UL-O SEC.7, T25S, R37E

Sampling Date:

01/19/2017

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 5 (3') (H700223-05)

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	01/31/2017	ND	1.75	87.3	2.00	2.04	
Toluene*	< 0.050	0.050	01/31/2017	ND	1.76	88.2	2.00	2,36	
Ethylbenzene*	< 0.050	0.050	01/31/2017	ND	1.82	90.9	2.00	2.38	
Total Xylenes*	< 0.150	0.150	01/31/2017	ND	5.18	86,3	6.00	2.16	
Total BTEX	<0.300	0.300	01/31/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	73.6-14	o						
Chloride, SM4500CI-B	mg/l	kg .	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2017	ND	416	104	400	0.00	
TPH 8015M	mg/l	cg	Analyze	d By: MS		-		-36	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/31/2017	ND	194	96.9	200	0.147	
DRO >C10-C28	<10.0	10.0	01/31/2017	ND	234	117	200	0.541	
Surrogate: 1-Chlorooctane	89.29	6 35-147							
Surrogate: 1-Chlorooctadecane	98.39	6 28-171							

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Environmental Plus, Inc. Daniel Dominguez P.O. Box 1558 Eunice NM, 88231

Fax To:

(505) 394-2601

Received: Reported: 01/30/2017 02/01/2017 MB-5-12

Project Name: Project Number:

NONE GIVEN

Project Location:

Sampling Date:

01/19/2017

Sampling Type:

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

UL-O SEC.7, T25S, R37E

Sample ID: STOCKPILE 1 (H700223-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.324	0.050	01/31/2017	ND	1.75	87.3	2.00	2.04	
Toluene*	2.41	0.050	01/31/2017	ND	1.76	88.2	2.00	2.36	
Ethylbenzene*	0.713	0.050	01/31/2017	ND	1.82	90.9	2.00	2.38	
Total Xylenes*	2.58	0.150	01/31/2017	ND	5.18	86.3	6.00	2.16	
Total BTEX	6.03	0.300	01/31/2017	ND					

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	01/31/2017	ND	416	104	400	0.00	QM-07
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	130	50.0	01/31/2017	ND	194	96.9	200	0.147	
DRO >C10-C28	25600	50.0	01/31/2017	ND	234	117	200	0.541	

Surrogate: 1-Chlorooctane	115 %	35-147
Surrogate: 1-Chloroactadecane	754 %	28-171

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Celley Z. Fre



Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received: Reported: 01/30/2017 02/01/2017

922 %

28-171

Project Name: Project Number: MB-5-12 NONE GIVEN

Project Location:

UL-O SEC.7, T255, R37E

Sampling Date:

01/19/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: STOCKPILE 2 (H700223-07)

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	01/31/2017	ND	1.75	87.3	2.00	2.04	
Toluene*	33.3	2.00	01/31/2017	ND	1.76	88.2	2.00	2,36	
Ethylbenzene*	19.4	2.00	01/31/2017	ND	1.82	90.9	2.00	2.38	
Total Xylenes*	92,6	6.00	01/31/2017	ND	5.18	86.3	6.00	2.16	
Total BTEX	145	12.0	01/31/2017	ND					
Surrogate: 4-Bromofhiorobenzene (PIE	106	% 73.6-14	o						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	01/31/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2080	100	01/31/2017	ND	194	96.9	200	0.147	
				ND	234	117	200	0.541	

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Surrogate: 1-Chlorooctadecane

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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.

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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Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form Cardinal

10		5 Stockpile		4 SP4 (3"	3 SP3 (3")	2 SP2 (6')	1 SP1 (6')	LAB I.D.		EPI Sampler Name	AFE#	Location	Facility Name	Client Company	EPI Phone#/Fax#	City, State, Zip	Mailing Address	EPI Project Manager	Company Name	(575) 394-3481 FAX: (575) 394-260
4,000,42		pile 1	(3')	3')	3")	6')	6')	SAMPLE I.D.		Dustin Crockett		UL- O Sec. 7, T25S.	MB-5-12	Energy Transfer	575-394-3481 / 575	Eunice New Mexico	P.O. BOX 1558	Daniel Dominguez	Environmental Plus, Inc.	FAX: (575) 394-2601
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Attachment C Analytical Reports



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

November 15, 2017

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

FAX

RE: MB5 OrderNo.: 1711096

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 10 sample(s) on 11/2/2017 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 www.hallenvironmental.com 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,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: 1711096

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/15/2017

CLIENT: GHD Lab Order: 1711096

Project: MB5

Lab ID: 1711096-001 **Collection Date:** 11/1/2017 1:25:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-1-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/9/2017 9:51:09	PM 34931
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Ana	alyst: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/6/2017 7:54:22	PM 34804
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/6/2017 7:54:22	PM 34804
Surr: DNOP	98.1	70-130	%Rec	1	11/6/2017 7:54:22	PM 34804
EPA METHOD 8015D: GASOLINE RAI	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/3/2017 9:38:00	PM 34772
Surr: BFB	86.1	15-316	%Rec	1	11/3/2017 9:38:00	PM 34772
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/3/2017 9:38:00	PM 34772
Toluene	ND	0.047	mg/Kg	1	11/3/2017 9:38:00	PM 34772
Ethylbenzene	ND	0.047	mg/Kg	1	11/3/2017 9:38:00	PM 34772
Xylenes, Total	ND	0.095	mg/Kg	1	11/3/2017 9:38:00	PM 34772
Surr: 4-Bromofluorobenzene	95.1	80-120	%Rec	1	11/3/2017 9:38:00	PM 34772

Lab ID: 1711096-002 **Collection Date:** 11/1/2017 1:27:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-2-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	200	30	mg/Kg	20	11/9/2017 10:28:2	2 PM 34931
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Ana	alyst: TOM
Diesel Range Organics (DRO)	190	9.4	mg/Kg	1	11/7/2017 1:36:51	PM 34804
Motor Oil Range Organics (MRO)	430	47	mg/Kg	1	11/7/2017 1:36:51	PM 34804
Surr: DNOP	105	70-130	%Rec	1	11/7/2017 1:36:51	PM 34804
EPA METHOD 8015D: GASOLINE RAM	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/3/2017 10:01:30	0 PM 34772
Surr: BFB	82.2	15-316	%Rec	1	11/3/2017 10:01:30	0 PM 34772
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/3/2017 10:01:30	0 PM 34772
Toluene	ND	0.047	mg/Kg	1	11/3/2017 10:01:30	0 PM 34772
Ethylbenzene	ND	0.047	mg/Kg	1	11/3/2017 10:01:30	0 PM 34772
Xylenes, Total	ND	0.094	mg/Kg	1	11/3/2017 10:01:30	0 PM 34772
Surr: 4-Bromofluorobenzene	89.3	80-120	%Rec	1	11/3/2017 10:01:30	0 PM 34772

Unanners: " value exceeds Maximum Contaminant Level	Oualifiers:	*	Value exceeds Maximum Contaminant Level.
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- 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 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1711096

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/15/2017

CLIENT: GHD Lab Order: 1711096

Project: MB5

Lab ID: 1711096-003 **Collection Date:** 11/1/2017 1:30:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-4-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					An	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/9/2017 10:40:4	6 PM 34931
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	}			Ana	alyst: TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/6/2017 8:38:58	PM 34804
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/6/2017 8:38:58	PM 34804
Surr: DNOP	94.1	70-130	%Rec	1	11/6/2017 8:38:58	PM 34804
EPA METHOD 8015D: GASOLINE RAN	IGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/3/2017 11:35:2	6 PM 34772
Surr: BFB	83.2	15-316	%Rec	1	11/3/2017 11:35:2	6 PM 34772
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/3/2017 11:35:2	6 PM 34772
Toluene	ND	0.047	mg/Kg	1	11/3/2017 11:35:2	6 PM 34772
Ethylbenzene	ND	0.047	mg/Kg	1	11/3/2017 11:35:2	6 PM 34772
Xylenes, Total	ND	0.094	mg/Kg	1	11/3/2017 11:35:2	6 PM 34772
Surr: 4-Bromofluorobenzene	91.0	80-120	%Rec	1	11/3/2017 11:35:2	6 PM 34772

Lab ID: 1711096-004 **Collection Date:** 11/1/2017 1:33:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-5-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 2:35:2	5 PM 34942
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Ana	alyst: TOM
Diesel Range Organics (DRO)	120	9.6	mg/Kg	1	11/6/2017 9:01:07	PM 34804
Motor Oil Range Organics (MRO)	67	48	mg/Kg	1	11/6/2017 9:01:07	PM 34804
Surr: DNOP	88.1	70-130	%Rec	1	11/6/2017 9:01:07	PM 34804
EPA METHOD 8015D: GASOLINE RAN	IGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/3/2017 11:58:5	5 PM 34772
Surr: BFB	82.5	15-316	%Rec	1	11/3/2017 11:58:5	5 PM 34772
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/3/2017 11:58:5	5 PM 34772
Toluene	ND	0.046	mg/Kg	1	11/3/2017 11:58:5	5 PM 34772
Ethylbenzene	ND	0.046	mg/Kg	1	11/3/2017 11:58:5	5 PM 34772
Xylenes, Total	ND	0.092	mg/Kg	1	11/3/2017 11:58:5	5 PM 34772
Surr: 4-Bromofluorobenzene	89.0	80-120	%Rec	1	11/3/2017 11:58:5	5 PM 34772

Oualifiers:	*	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 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: **1711096**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/15/2017

CLIENT: GHD Lab Order: 1711096

Project: MB5

Lab ID: 1711096-005 **Collection Date:** 11/1/2017 1:35:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-6-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 3:12:39	9 PM 34942
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	}			Ana	alyst: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/6/2017 9:23:25	PM 34804
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/6/2017 9:23:25	PM 34804
Surr: DNOP	73.7	70-130	%Rec	1	11/6/2017 9:23:25	PM 34804
EPA METHOD 8015D: GASOLINE RAN	IGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2017 12:22:20	6 AM 34772
Surr: BFB	83.1	15-316	%Rec	1	11/4/2017 12:22:20	6 AM 34772
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/4/2017 12:22:20	6 AM 34772
Toluene	ND	0.047	mg/Kg	1	11/4/2017 12:22:20	6 AM 34772
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2017 12:22:20	6 AM 34772
Xylenes, Total	ND	0.094	mg/Kg	1	11/4/2017 12:22:20	6 AM 34772
Surr: 4-Bromofluorobenzene	91.5	80-120	%Rec	1	11/4/2017 12:22:20	6 AM 34772

Lab ID: 1711096-006 **Collection Date:** 11/1/2017 1:38:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-8-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 3:49:5	1 PM 34942
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Ana	alyst: TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/7/2017 1:14:51	PM 34804
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/7/2017 1:14:51	PM 34804
Surr: DNOP	78.1	70-130	%Rec	1	11/7/2017 1:14:51	PM 34804
EPA METHOD 8015D: GASOLINE RAN	IGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/4/2017 12:45:5	6 AM 34783
Surr: BFB	81.1	15-316	%Rec	1	11/4/2017 12:45:5	6 AM 34783
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/4/2017 12:45:5	6 AM 34783
Toluene	ND	0.046	mg/Kg	1	11/4/2017 12:45:5	6 AM 34783
Ethylbenzene	ND	0.046	mg/Kg	1	11/4/2017 12:45:5	6 AM 34783
Xylenes, Total	ND	0.092	mg/Kg	1	11/4/2017 12:45:5	6 AM 34783
Surr: 4-Bromofluorobenzene	88.4	80-120	%Rec	1	11/4/2017 12:45:5	6 AM 34783

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	
Qualificis.		value exceeds iviaximum 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 3 of 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1711096

Date Reported: 11/15/2017

Hall Environmental Analysis Laboratory, Inc.

Lab Order: 1711096

Project: MB5

GHD

CLIENT:

Lab ID: 1711096-007 **Collection Date:** 11/1/2017 1:40:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-9-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 4:02:16	6 PM 34942
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	;			Ana	alyst: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/7/2017 12:52:38	34804 BPM 34804
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/7/2017 12:52:38	34804 BPM 34804
Surr: DNOP	83.7	70-130	%Rec	1	11/7/2017 12:52:38	34804 BPM 34804
EPA METHOD 8015D: GASOLINE RAN	IGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/4/2017 1:09:25	AM 34783
Surr: BFB	85.4	15-316	%Rec	1	11/4/2017 1:09:25	AM 34783
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.025	mg/Kg	1	11/4/2017 1:09:25	AM 34783
Toluene	ND	0.050	mg/Kg	1	11/4/2017 1:09:25	AM 34783
Ethylbenzene	ND	0.050	mg/Kg	1	11/4/2017 1:09:25	AM 34783
Xylenes, Total	ND	0.099	mg/Kg	1	11/4/2017 1:09:25	AM 34783
Surr: 4-Bromofluorobenzene	93.3	80-120	%Rec	1	11/4/2017 1:09:25	AM 34783

Lab ID: 1711096-008 **Collection Date:** 11/1/2017 1:44:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-10-2 **Matrix:** SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 4:14:40	0 PM 34942
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Ana	alyst: TOM
Diesel Range Organics (DRO)	250	9.5	mg/Kg	1	11/7/2017 12:30:3	3 PM 34804
Motor Oil Range Organics (MRO)	240	48	mg/Kg	1	11/7/2017 12:30:3	3 PM 34804
Surr: DNOP	97.3	70-130	%Rec	1	11/7/2017 12:30:3	3 PM 34804
EPA METHOD 8015D: GASOLINE RAM	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/4/2017 1:32:54	AM 34783
Surr: BFB	78.8	15-316	%Rec	1	11/4/2017 1:32:54	AM 34783
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/4/2017 1:32:54	AM 34783
Toluene	ND	0.049	mg/Kg	1	11/4/2017 1:32:54	AM 34783
Ethylbenzene	ND	0.049	mg/Kg	1	11/4/2017 1:32:54	AM 34783
Xylenes, Total	ND	0.097	mg/Kg	1	11/4/2017 1:32:54	AM 34783
Surr: 4-Bromofluorobenzene	86.6	80-120	%Rec	1	11/4/2017 1:32:54	AM 34783

Unanners: " value exceeds Maximum Contaminant Level	Oualifiers:	*	Value exceeds Maximum Contaminant Level.
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- 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 11
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1711096

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/15/2017

CLIENT: GHD Lab Order: 1711096

Project: MB5

Lab ID: 1711096-009 **Collection Date:** 11/1/2017 1:50:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-7-2 Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 4:27:0	5 PM 34942
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	;			Ana	alyst: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	11/7/2017 12:08:2	1 PM 34804
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	11/7/2017 12:08:2	1 PM 34804
Surr: DNOP	88.8	70-130	%Rec	1	11/7/2017 12:08:2	1 PM 34804
EPA METHOD 8015D: GASOLINE RAM	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/4/2017 1:56:25	AM 34783
Surr: BFB	86.8	15-316	%Rec	1	11/4/2017 1:56:25	AM 34783
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/4/2017 1:56:25	AM 34783
Toluene	ND	0.046	mg/Kg	1	11/4/2017 1:56:25	AM 34783
Ethylbenzene	ND	0.046	mg/Kg	1	11/4/2017 1:56:25	AM 34783
Xylenes, Total	ND	0.093	mg/Kg	1	11/4/2017 1:56:25	AM 34783
Surr: 4-Bromofluorobenzene	92.9	80-120	%Rec	1	11/4/2017 1:56:25	AM 34783

Lab ID: 1711096-010 **Collection Date:** 11/1/2017 2:00:00 PM

Client Sample ID: S-11135250-09-110117-MG-TP-3-4 Matrix: SOIL

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	ND	30	mg/Kg	20	11/10/2017 4:39:29	PM 34942
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS	;			Ana	alyst: TOM
Diesel Range Organics (DRO)	7600	97	mg/Kg	10	11/6/2017 11:14:11	I PM 34804
Motor Oil Range Organics (MRO)	3300	480	mg/Kg	10	11/6/2017 11:14:11	I PM 34804
Surr: DNOP	0	70-130	S %Rec	10	11/6/2017 11:14:11	I PM 34804
EPA METHOD 8015D: GASOLINE RAN	GE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	120	23	mg/Kg	5	11/4/2017 2:19:56	AM 34783
Surr: BFB	215	15-316	%Rec	5	11/4/2017 2:19:56	AM 34783
EPA METHOD 8021B: VOLATILES					Ana	alyst: NSB
Benzene	0.15	0.12	mg/Kg	5	11/4/2017 2:19:56	AM 34783
Toluene	ND	0.23	mg/Kg	5	11/4/2017 2:19:56	AM 34783
Ethylbenzene	0.81	0.23	mg/Kg	5	11/4/2017 2:19:56	AM 34783
Xylenes, Total	1.4	0.46	mg/Kg	5	11/4/2017 2:19:56	AM 34783
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	5	11/4/2017 2:19:56	AM 34783

Oualifiers:	*	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 11
- 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.

WO#: 1711096

15-Nov-17

Client: GHD Project: MB5

Sample ID MB-34931 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: 34931 RunNo: 47011

Prep Date: 11/9/2017 Analysis Date: 11/9/2017 SeqNo: 1501021 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Chloride ND 1.5

Sample ID LCS-34931 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 34931 RunNo: 47011

Prep Date: 11/9/2017 Analysis Date: 11/9/2017 SeqNo: 1501022 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit **RPDLimit** Analyte Result PQL HighLimit %RPD Qual

Chloride 14 1.5 15.00 0 95.5 110

Sample ID MB-34942 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: 34942 RunNo: 47043

Prep Date: Analysis Date: 11/10/2017 SeqNo: 1501826 Units: mg/Kg 11/10/2017

Result SPK value SPK Ref Val %REC LowLimit Analyte **PQL** HighLimit %RPD **RPDLimit** Qual

Chloride ND

Sample ID LCS-34942 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 34942 RunNo: 47043

Units: mg/Kg Prep Date: 11/10/2017 Analysis Date: 11/10/2017 SeqNo: 1501827

Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

97.6 Chloride 15 1.5 15.00 0 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

Reporting Detection Limit

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

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Hall Environmental Analysis Laboratory, Inc.

WO#: **1711096**

15-Nov-17

Client: GHD Project: MB5

Sample ID LCS-34804 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics LCSS Client ID: Batch ID: 34804 RunNo: 46891 Prep Date: 11/3/2017 Analysis Date: 11/6/2017 SeqNo: 1496763 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 44 50.00 0 87.9 73.2 114 Surr: DNOP 5.000 82.2 4.1 70 130

Sample ID MB-34804 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 34804 RunNo: 46891 Prep Date: 11/3/2017 Analysis Date: 11/6/2017 SeqNo: 1496764 Units: mg/Kg 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 9.0 10.00 89.7 70 130

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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GHD

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711096

15-Nov-17

	MB5										
Sample ID	MB-34772	SampT	уре: МЕ	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	<u> </u>	
Client ID:			n ID: 34		RunNo: 46867						
Prep Date:	11/2/2017	Analysis D)ate: 1	1/3/2017	5	SeqNo: 1	495077	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Ranç Surr: BFB	ge Organics (GRO)	ND 820	5.0	1000		82.3	15	316			
Sample ID	LCS-34772	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	LCSS	Batch	n ID: 34	772	F	RunNo: 4	6867				
Prep Date:	11/2/2017	Analysis D)ate: 1	1/3/2017	8	SeqNo: 1	495078	Units: mg/h	K g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	ge Organics (GRO)	25	5.0	25.00	0	101	75.9	131			
Surr: BFB		940		1000		94.4	15	316			
Sample ID	MB-34783	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	RunNo: 46867										
Prep Date:	11/2/2017	Analysis D	1/3/2017	SeqNo: 1495097 Ur			Units: mg/k	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 850	5.0	1000		84.9	15	316			
Sample ID	LCS-34783		ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Sample ID Client ID:		SampT	ype: LC			tCode: E l		8015D: Gaso	oline Rang	e	
Client ID:		SampT	n ID: 34	783	F		6867	8015D: Gaso Units: mg/	_	e	
Client ID:	LCSS	SampT Batch	n ID: 34	783 1/3/2017	F	RunNo: 4	6867		_	e RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang	LCSS	SampT Batch Analysis D Result 24	n ID: 34 Date: 1	783 1/3/2017 SPK value 25.00	F	RunNo: 4 SeqNo: 1 %REC 97.7	6867 495098 LowLimit 75.9	Units: mg/F HighLimit 131	√g		Qual
Client ID: Prep Date: Analyte	LCSS 11/2/2017	SampT Batch Analysis D Result	n ID: 34 Date: 1 '	783 1/3/2017 SPK value	F S SPK Ref Val	RunNo: 4 SeqNo: 1 %REC	6867 495098 LowLimit	Units: mg/k	√g		Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 11/2/2017	SampT Batch Analysis D Result 24 920	n ID: 34 Date: 1 '	783 1/3/2017 SPK value 25.00 1000	SPK Ref Val	RunNo: 4 SeqNo: 1 %REC 97.7 91.9	6867 495098 LowLimit 75.9 15	Units: mg/F HighLimit 131	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID	LCSS 11/2/2017 ge Organics (GRO)	SampT Batch Analysis D Result 24 920 S SampT	PQL 5.0	783 1/3/2017 SPK value 25.00 1000	SPK Ref Val 0	RunNo: 4 SeqNo: 1 %REC 97.7 91.9	6867 495098 LowLimit 75.9 15	Units: mg/h HighLimit 131 316	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	LCSS 11/2/2017 ge Organics (GRO) 1711096-007AMS	SampT Batch Analysis D Result 24 920 S SampT	PQL 5.0 Type: MS 1D: 34	783 1/3/2017 SPK value 25.00 1000 S 783	SPK Ref Val 0	RunNo: 4 SeqNo: 1 %REC 97.7 91.9 tCode: E	6867 495098 LowLimit 75.9 15 PA Method 6867	Units: mg/h HighLimit 131 316	Kg %RPD Dline Rang	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	LCSS 11/2/2017 ge Organics (GRO) 1711096-007AMS S-11135250-09-1 11/2/2017	SampT Batch Analysis D Result 24 920 S SampT 101 Batch Analysis D Result	PQL 5.0 Type: MS 1D: 34 PQL 5.0 PQL 5.0 PQL 7	783 1/3/2017 SPK value 25.00 1000 S 783 1/3/2017 SPK value	SPK Ref Val 0	RunNo: 4 SeqNo: 1 %REC 97.7 91.9 tCode: El RunNo: 4 SeqNo: 1 %REC	6867 495098 LowLimit 75.9 15 PA Method 6867 495102 LowLimit	Units: mg/k HighLimit 131 316 8015D: Gaso Units: mg/k HighLimit	Kg %RPD Dline Rang	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	LCSS 11/2/2017 ge Organics (GRO) 1711096-007AMS S-11135250-09-1	SampT Batch Analysis D Result 24 920 S SampT 101 Batch Analysis D	PQL 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	783 1/3/2017 SPK value 25.00 1000 6 783 1/3/2017	SPK Ref Val 0 Tes	RunNo: 4 SeqNo: 1 %REC 97.7 91.9 tCode: E RunNo: 4 SeqNo: 1	6867 495098 LowLimit 75.9 15 PA Method 6867 495102	Units: mg/k HighLimit 131 316 8015D: Gasc Units: mg/k	Kg %RPD Dline Rang Kg	RPDLimit e	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 11/2/2017 ge Organics (GRO) 1711096-007AMS S-11135250-09-1 11/2/2017	SampT Batch Analysis D Result 24 920 S SampT 101 Batch Analysis D Result 29 960	PQL 5.0 Type: MS 1D: 34 PQL 5.0 PQL 5.0 PQL 7	783 1/3/2017 SPK value 25.00 1000 S 783 1/3/2017 SPK value 24.85 994.0	SPK Ref Val 0 Tes F SPK Ref Val 0	RunNo: 4 SeqNo: 1 %REC 97.7 91.9 tCode: El RunNo: 4 SeqNo: 1 %REC 119 96.9	6867 495098 LowLimit 75.9 15 PA Method 6867 495102 LowLimit 77.8 15	Units: mg/k HighLimit 131 316 8015D: Gaso Units: mg/k HighLimit 128	%RPD pline Rang (g %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 11/2/2017 ge Organics (GRO) 1711096-007AMS S-11135250-09-1 11/2/2017 ge Organics (GRO)	SampT Batch Analysis D Result 24 920 S SampT 101 Batch Analysis D Result 29 960 SD SampT	PQL 5.0 Type: MS 1D: 34 PQL 5.0 Type: MS 20 PQL 5.0	783 1/3/2017 SPK value 25.00 1000 S 783 1/3/2017 SPK value 24.85 994.0	SPK Ref Val 0 Tes SPK Ref Val 0	RunNo: 4 SeqNo: 1 %REC 97.7 91.9 tCode: El RunNo: 4 SeqNo: 1 %REC 119 96.9	495098 LowLimit 75.9 15 PA Method 6867 495102 LowLimit 77.8 15 PA Method	Units: mg/h HighLimit 131 316 8015D: Gaso Units: mg/h HighLimit 128 316	%RPD pline Rang (g %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Client ID:	LCSS 11/2/2017 ge Organics (GRO) 1711096-007AMS S-11135250-09-1 11/2/2017 ge Organics (GRO)	SampT Batch Analysis D Result 24 920 S SampT 101 Batch Analysis D Result 29 960 SD SampT	PQL 5.0 Type: MS PQL 5.0 Type: MS PQL 5.0 Type: MS PQL 5.0	783 1/3/2017 SPK value 25.00 1000 S 783 1/3/2017 SPK value 24.85 994.0	SPK Ref Val 0 Tes SPK Ref Val 0 Tes F	RunNo: 4 SeqNo: 1 %REC 97.7 91.9 tCode: E RunNo: 4 SeqNo: 1 %REC 119 96.9	6867 495098 LowLimit 75.9 15 PA Method 6867 495102 LowLimit 77.8 15 PA Method 6867	Units: mg/h HighLimit 131 316 8015D: Gaso Units: mg/h HighLimit 128 316	%RPD pline Rang %RPD pline Rang	RPDLimit e RPDLimit	

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Η 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

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J

Analyte detected below quantitation limits

Page 8 of 11

P Sample pH Not In Range

RLReporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711096**

15-Nov-17

Client: GHD Project: MB5

Sample ID 1711096-007AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: S-11135250-09-1101 Batch ID: 34783 RunNo: 46867

Prep Date: 11/2/2017 Analysis Date: 11/3/2017 SeqNo: 1495103 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.68	0	117	77.8	128	1.91	20	
Surr: BFB	960		987.2		97.3	15	316	0	0	

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

Page 9 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711096**

15-Nov-17

Client: GHD Project: MB5

Sample ID MB-34772	SampT	Гуре: МЕ	3LK	Tes	tCode: El					
Client ID: PBS	Batch	h ID: 34	772	F	RunNo: 46867					
Prep Date: 11/2/2017	Analysis D)ate: 1 1	1/3/2017	5	SeqNo: 1	495117	Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.3	80	120			
Sample ID I CS-34772	SamnT	Tyne: I C	· s	Tes	tCode: Fi	PA Method	8021R: Volat	tilos		

Sample ID LCS-34772	SampT	ype: LC	S	Tes	tCode: El	8021B: Volat	iles			
Client ID: LCSS	Batch	n ID: 34 7	772	R	RunNo: 4	6867				
Prep Date: 11/2/2017	Analysis D	ate: 11	/3/2017	S	SeqNo: 1	495118	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	77.3	128			
Toluene	0.92	0.050	1.000	0	92.1	79.2	125			
Ethylbenzene	0.91	0.050	1.000	0	91.3	80.7	127			
Xylenes, Total	2.8	0.10	3.000	0	92.4	81.6	129			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.4	80	120			

Sample ID MB-34783	Batch ID: 34783			TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS				RunNo: 46867							
Prep Date: 11/2/2017				SeqNo: 1495134			Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.92		1.000		92.4	80	120				

Sample ID LCS-34783	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch	h ID: 34 7	783	RunNo: 46867						
Prep Date: 11/2/2017	Analysis Date: 11/3/2017			SeqNo: 1495135			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.2	77.3	128			
Toluene	0.92	0.050	1.000	0	92.4	79.2	125			
Ethylbenzene	0.91	0.050	1.000	0	91.4	80.7	127			
Xylenes, Total	2.8	0.10	3.000	0	93.3	81.6	129			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.9	80	120			

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

Page 10 of 11

Hall Environmental Analysis Laboratory, Inc.

WO#: **1711096**

15-Nov-17

Client: GHD Project: MB5

Sample ID 1711096-006AMS SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: S-11135250-09-1101 Batch ID: 34783 RunNo: 46867

Prep Date: 11/2/2017 Analysis Date: 11/3/2017 SeqNo: 1495138 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9497	0	102	80.9	132			
Toluene	0.98	0.047	0.9497	0	104	79.8	136			
Ethylbenzene	0.99	0.047	0.9497	0	104	79.4	140			
Xylenes, Total	3.0	0.095	2.849	0	104	78.5	142			
Surr: 4-Bromofluorobenzene	0.91		0.9497		95.6	80	120			

Sample ID 1711096-006AMSD SampType: MSD TestCode: EPA Method 8021B: Volatiles Client ID: S-11135250-09-1101 Batch ID: 34783 RunNo: 46867 Prep Date: 11/2/2017 Analysis Date: 11/3/2017 SeqNo: 1495139 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.98 0.025 0.9814 0 100 80.9 132 1.38 20 Benzene Toluene 0.99 0.049 0.9814 0 101 79.8 136 0.911 20 Ethylbenzene 0.049 0.9814 0 102 79.4 140 1.69 20 1.0 3.0 0.098 2.944 103 78.5 2.31 20 Xylenes, Total 0 142 0.9814 90.7 0 Surr: 4-Bromofluorobenzene 0.89 80 120 0

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

Page 11 of 11



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 Order Numb	er: 1711096		RcptNo:	1
Received By:	Sophia Campuzano	11/2/2017 9:10:00 A	M	Sophia Compris-	-	
Completed By:	Isaiah Ortiz	11/2/2017 10:35:30	AM	I Code	•	
Reviewed By:	ENM	11/2/11				
Chain of Cus	<u>tody</u>					
1. Custody sea	als intact on sample bottles?	,	Yes	No 🗌	Not Present 🗹	
2. Is Chain of C	Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the	e sample delivered?		<u>Courier</u>			
<u>Log In</u>						
4. Was an atte	empt made to cool the samp	les?	Yes 🗸	No 🗌	na 🗆	
5. Were all san	nples received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗆	na 🗆	
6. Sample(s) in	n proper container(s)?		Yes 🗸	No 🗌		
7. Sufficient sa	mple volume for indicated to	est(s)?	Yes 🗸	No 🗆		
8. Are samples	(except VOA and ONG) pro	operly preserved?	Yes 🗹	No 🗌		
9. Was preserv	vative added to bottles?		Yes	No 🗹	NA 🗆	
10.VOA vials ha	ave zero headspace?		Yes	No 🗆	No VOA Vials 🗹	
11. Were any sa	ample containers received b	roken?	Yes	No 🗹	# of preserved	
	vork match bottle labels? pancies on chain of custody	a.	Yes 🗸	No 🗆	bottles checked for pH:	or >12 unless noted)
-	correctly identified on Chai	•	Yes 🗸	No 🗆	Adjusted?	r 12 amoss notou)
	at analyses were requested	•	Yes 🗹	No 🗆	_	
15. Were all hold	ding times able to be met? customer for authorization.)		Yes 🗹	No 🗆	Checked by:	
Special Hand	lling (if applicable)					
16. Was client n	otified of all discrepancies w	vith this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date:	:1	*****		
By Wh	om:	Via:	,	Phone Fax	☐ In Person	
Regard	ding:		**************************************			,
Client I	Instructions:					
17. Additional re	emarks:					_
18. Cooler Info Cooler No		Seal Intact Seal No Yes	Seal Date	Signed By		

Air Bubbles (Y or N) **ANALYSIS LABORATORY** HALL ENVIRONMENTAL 4901 Hawkins NE - Albuquerque, NM 87109 Ü Fax 505-345-4107 (AOV-ime2) 0728 www.hallenvironmental.com **Analysis Request** (AOV) **B**09S8 8081 Pesticides / 8082 PCB's Anions (F,Cl,NO₃,NO₂,PO₄,SO₄) RCRA 8 Metals Tel. 505-345-3975 (SMIS 0728 10 0188) a'HA9 EDB (Method 504.1) TPH (Method 418.1) TPH 8015B (GRO / DRO / MRO) Remarks MTBE + TPH (Gas only) **BTEX** 西 3mo 0)8 Sample Temperature: $2 \cdot (\rho - 0.5(c_F) = 2.$ Time Bernard Bocklech HEAL NO. 600--00J -003 100-700 -006 ᡉ 010 1805/ 00-9 11102111 Preservative 📑 □ Rush 11135350-09 Whehoel Type Turn-Around Time: kisch@ahd.com|Project Manager: Project Name: XX Standard Type and # Container Project #: \$1135252-04-16117A6-1842/4025/31/ Sampler: Receive 5-11552SO-09-110117-M6-7P-16 2 7113555-09-110117-116-75553111-5-41135250-0A-110117-M6-TP-3--11136-260-29-11011-RO-026-25111-2 5-175255 09-110117-M6:TP.7-5 5-1435350.00 the MG-184-3 1-118525009-110112-M6-TP-8-2 -C-C-01-34-44-14-14-1-2-32-31-2 >11135250-09410111MG-11-4-3 ☐ Level 4 (Full Validation) Sample Request ID Chain-of-Custody Record ndlan School Rd PC Client: CHD Services email or Fax#: [Secnace], Est Relinguishe@by Other Matrix Albuqueague Mailing Address:人入人 ⊡ Phone #: SŠS 1325 1350 B40)34H Time 1335 1338 QA/QC Package: 1333 1327 1330 1400 ☐ EDD (Type) Accreditation Time: □ Standard □ NELAP Date

Infinited to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

January 02, 2018

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

TEL: (505) 884-0672

FAX

RE: MB5 OrderNo.: 1712917

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/14/2017 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 www.hallenvironmental.com 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,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: **1712917**Date Reported: **1/2/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 1712917

Project: MB5

Lab ID: 1712917-001 **Collection Date:** 12/11/2017 1:20:00 PM

Client Sample ID: S-11135250-09-121117-MG-TP-11-8' Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	1700	75	mg/Kg	50	12/28/2017 2:09:1	4 AM 35716
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS	3			Ana	alyst: TOM
Diesel Range Organics (DRO)	240	9.7	mg/Kg	1	12/20/2017 11:18:	40 AM 35607
Motor Oil Range Organics (MRO)	170	48	mg/Kg	1	12/20/2017 11:18:	40 AM 35607
Surr: DNOP	84.2	70-130	%Rec	1	12/20/2017 11:18:	40 AM 35607
EPA METHOD 8015D: GASOLINE RA	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/20/2017 3:00:1	4 PM 35606
Surr: BFB	88.6	15-316	%Rec	1	12/20/2017 3:00:1	4 PM 35606

Lab ID: 1712917-002 **Collection Date:** 12/11/2017 2:10:00 PM

Client Sample ID: S-11135250-09-121117-MG-TP-12-6' Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	1700	75	mg/Kg	50	12/28/2017 2:21:38	8 AM 35716
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	;			Ana	alyst: TOM
Diesel Range Organics (DRO)	410	10	mg/Kg	1	12/20/2017 11:46:2	29 AM 35607
Motor Oil Range Organics (MRO)	190	50	mg/Kg	1	12/20/2017 11:46:2	29 AM 35607
Surr: DNOP	86.6	70-130	%Rec	1	12/20/2017 11:46:2	29 AM 35607
EPA METHOD 8015D: GASOLINE RA	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/20/2017 7:18:50	DPM 35606
Surr: BFB	105	15-316	%Rec	1	12/20/2017 7:18:50	DPM 35606

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 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: **1712917**Date Reported: **1/2/2018**

Hall Environmental Analysis Laboratory, Inc.

Lab Order: 1712917

Project: MB5

GHD

CLIENT:

Lab ID: 1712917-003 **Collection Date:** 12/11/2017 2:15:00 PM

Client Sample ID: S-11135250-09-121117-MG-TP-13-6' **Matrix:** SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	510	30	mg/Kg	20	12/26/2017 11:35:4	43 PM 35716
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS	3			Ana	alyst: TOM
Diesel Range Organics (DRO)	75	9.7	mg/Kg	1	12/20/2017 12:13:4	17 PM 35607
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/20/2017 12:13:4	47 PM 35607
Surr: DNOP	85.8	70-130	%Rec	1	12/20/2017 12:13:4	47 PM 35607
EPA METHOD 8015D: GASOLINE RANG	Ε				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/20/2017 8:05:39	9 PM 35606
Surr: BFB	83.3	15-316	%Rec	1	12/20/2017 8:05:39	9 PM 35606

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 2 of 6
- 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.

WO#: **1712917**

03-Jan-18

Client: GHD Project: MB5

Sample ID MB-35716 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 35716 RunNo: 48034

Prep Date: 12/26/2017 Analysis Date: 12/26/2017 SeqNo: 1539476 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-35716 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 35716 RunNo: 48034

Prep Date: 12/26/2017 Analysis Date: 12/26/2017 SeqNo: 1539477 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 96.3 90 110

Sample ID MB-35716 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 35716 RunNo: 48058

Prep Date: 12/26/2017 Analysis Date: 12/27/2017 SeqNo: 1540366 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-35716 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 35716 RunNo: 48058

Prep Date: 12/26/2017 Analysis Date: 12/27/2017 SeqNo: 1540367 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 90.8 90 110

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

S----1- ----II N------

Page 3 of 6

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.

WO#: 1712917

03-Jan-18

Client: GHD Project: MB5 Sample ID LCS-35579 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 35579 RunNo: 47874 Prep Date: 12/18/2017 Analysis Date: 12/19/2017 SeqNo: 1533827 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 4.4 5.000 87.7 70 130 Sample ID MB-35579 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 35579 RunNo: 47874 Prep Date: 12/18/2017 Analysis Date: 12/19/2017 SeqNo: 1533828 Units: %Rec SPK value SPK Ref Val %REC Analyte Result LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 8.4 10.00 83.6 130 SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID 1712917-001AMS S-11135250-09-1211 Batch ID: 35607 RunNo: 47874 Client ID: Prep Date: SeqNo: 1534764 12/19/2017 Analysis Date: 12/20/2017 Units: mg/Kg %REC **PQL** SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual Diesel Range Organics (DRO) 120 9.9 235.6 -236 55.8 125 49.36 Surr: DNOP 4.936 4.4 88.7 70 130 Sample ID 1712917-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: S-11135250-09-1211 Batch ID: 35607 RunNo: 47874 Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1534765 Units: mg/Kg %REC Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 140 9.8 48.83 235.6 -198 55.8 125 15.2 20 S Surr: DNOP 4.7 4.883 95.4 70 130 0 Sample ID LCS-35607 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 35607 RunNo: 47874 Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1534768 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 Λ 89.7 73.2 45 50.00 114 Surr: DNOP 4.2 5.000 84.3 70 130 Sample ID MB-35607 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 35607 RunNo: 47874 Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1534769 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Motor Oil Range Organics (MRO)

Η Holding times for preparation or analysis exceeded

ND

50

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% 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

Page 4 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712917

Qual

03-Jan-18

Client: GHD **Project:** MB5

Sample ID MB-35607 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

PBS RunNo: 47874 Client ID: Batch ID: 35607

12/19/2017 SeqNo: 1534769 Prep Date: Analysis Date: 12/20/2017 Units: mg/Kg

Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Surr: DNOP 7.9 10.00 79.3 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712917

03-Jan-18

Client: GHD Project: MB5

Sample ID MB-35606 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: 35606 RunNo: 47914

Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1535215 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) ND 5.0

1000 Surr: BFB 860 85.8 15 316

Sample ID LCS-35606 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 35606 RunNo: 47914

Analysis Date: 12/20/2017 Prep Date: 12/19/2017 SeqNo: 1535216 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) 5.0 25.00 111 75.9 131 Surr: BFB 1100 1000 105 15 316

TestCode: EPA Method 8015D: Gasoline Range Sample ID 1712917-001AMS SampType: MS

Client ID: S-11135250-09-1211 Batch ID: 35606 RunNo: 47914

Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1535218 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Gasoline Range Organics (GRO) 28 24.04 118 77.8 128 Surr: BFB 990 961.5 103 316 15

Sample ID 1712917-001AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: S-11135250-09-1211 Batch ID: 35606 RunNo: 47914

Analysis Date: 12/20/2017 Prep Date: 12/19/2017 SeqNo: 1535219 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 29 4.6 23.21 124 77.8 128 1.16 20 Λ Surr: BFB 920 928.5 99.0 15 316 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Η

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% 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

P Reporting Detection Limit

Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkus NE Albuquergue: NM 87109

TEL 503-345-3975 F.AX: 505-345-4107 Website: www.ballenvironmental.com

Sample Log-In Check List

Client Name:	GHD	Work Order Numb	er: 1712	917		RcptNo:	1
Received By	Eritt Melendrez	12/14/2017 9:40:00	АМ		u us		
Completed By:	Sophia Campuzano	12/15/2017 9:14:19	AM		-		
Reviewed By:	IMO	12/15/17					
Chain of Cus	tody						
1. Custody sea	ls intact on sample bottles?		Yes		No 🗆	Not Present	
2. Is Chain of C	Custody complete?		Yes	~	No 🗌	Not Present	
3, How was the	e sample delivered?		Cou	ier			
Log In							
4. Was an atte	mpt made to cool the samp	es?	Yes	•	No 🗆	NA 🗆	
5. Were all san	nples received at a tempera	ture of >0° C to 6.0°C	Yes	•	No 🗌	NA \square	
6. Sample(s) in	n proper container(s)?		Yes	v	No 🗆		
7. Sufficient sa	mple volume for indicated te	est(s)?	Yes	•	No 🗆		
8. Are samples	(except VOA and ONG) pro	perly preserved?	Yes	~	No 🗌		
9. Was preserv	vative added to bottles?		Yes		No 🗸	NA 🗆	
10. VOA vials ha	ave zero headspace?		Yes		No 🗆	No VOA Vials 🗸	
11, Were any sa	ample containers received b	roken?	Yes		No 🗸	# of preserved	
				-	3	bottles checked	
	vork match bottle labels? pancies on chain of custody		Yes	~	No 🗔	for pH:	r >12 unless noted)
	correctly identified on Chair		Yes	~	No 🗌	Adjusted?	,
	at analyses were requested		Yes	~	No 🗆		
	ding times able to be met? customer for authorization.)		Yes	•	No 🗆	Checked by:	
Special Hand	ling (if applicable)						
	otified of all discrepancies w	ith this order?	Yes		No 🗆	NA 🗸	
Person	Notified:	Date:					
By Wh	om:	Via:	□ eMa	d 🔲	Phone Fax	In Person	
Regard Client I	fing:						
17. Additional re	Control of the Contro						
18. Gooler Info							
Cooler No	The second secon	Seal Intact Seal No	Seal Da	at 1	Signed By		



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

January 02, 2018

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

TEL: (505) 884-0672

FAX

RE: MB5 OrderNo.: 1712917

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/14/2017 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 www.hallenvironmental.com 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,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: **1712917**Date Reported: **1/2/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Lab Order: 1712917

Project: MB5

Lab ID: 1712917-001 **Collection Date:** 12/11/2017 1:20:00 PM

Client Sample ID: S-11135250-09-121117-MG-TP-11-8' Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	1700	75	mg/Kg	50	12/28/2017 2:09:1	4 AM 35716
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS	3			Ana	alyst: TOM
Diesel Range Organics (DRO)	240	9.7	mg/Kg	1	12/20/2017 11:18:	40 AM 35607
Motor Oil Range Organics (MRO)	170	48	mg/Kg	1	12/20/2017 11:18:	40 AM 35607
Surr: DNOP	84.2	70-130	%Rec	1	12/20/2017 11:18:	40 AM 35607
EPA METHOD 8015D: GASOLINE RA	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/20/2017 3:00:1	4 PM 35606
Surr: BFB	88.6	15-316	%Rec	1	12/20/2017 3:00:1	4 PM 35606

Lab ID: 1712917-002 **Collection Date:** 12/11/2017 2:10:00 PM

Client Sample ID: S-11135250-09-121117-MG-TP-12-6' Matrix: SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	1700	75	mg/Kg	50	12/28/2017 2:21:38	8 AM 35716
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	;			Ana	alyst: TOM
Diesel Range Organics (DRO)	410	10	mg/Kg	1	12/20/2017 11:46:2	29 AM 35607
Motor Oil Range Organics (MRO)	190	50	mg/Kg	1	12/20/2017 11:46:2	29 AM 35607
Surr: DNOP	86.6	70-130	%Rec	1	12/20/2017 11:46:2	29 AM 35607
EPA METHOD 8015D: GASOLINE RA	NGE				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/20/2017 7:18:50	DPM 35606
Surr: BFB	105	15-316	%Rec	1	12/20/2017 7:18:50	DPM 35606

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 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: **1712917**Date Reported: **1/2/2018**

Hall Environmental Analysis Laboratory, Inc.

Lab Order: 1712917

Project: MB5

GHD

CLIENT:

Lab ID: 1712917-003 **Collection Date:** 12/11/2017 2:15:00 PM

Client Sample ID: S-11135250-09-121117-MG-TP-13-6' **Matrix:** SOIL

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: MRA
Chloride	510	30	mg/Kg	20	12/26/2017 11:35:4	43 PM 35716
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS	3			Ana	alyst: TOM
Diesel Range Organics (DRO)	75	9.7	mg/Kg	1	12/20/2017 12:13:4	17 PM 35607
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/20/2017 12:13:4	47 PM 35607
Surr: DNOP	85.8	70-130	%Rec	1	12/20/2017 12:13:4	47 PM 35607
EPA METHOD 8015D: GASOLINE RANG	Ε				Ana	alyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/20/2017 8:05:39	9 PM 35606
Surr: BFB	83.3	15-316	%Rec	1	12/20/2017 8:05:39	9 PM 35606

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 2 of 6
- 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.

WO#: **1712917**

03-Jan-18

Client: GHD Project: MB5

Sample ID MB-35716 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 35716 RunNo: 48034

Prep Date: 12/26/2017 Analysis Date: 12/26/2017 SeqNo: 1539476 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-35716 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 35716 RunNo: 48034

Prep Date: 12/26/2017 Analysis Date: 12/26/2017 SeqNo: 1539477 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 96.3 90 110

Sample ID MB-35716 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 35716 RunNo: 48058

Prep Date: 12/26/2017 Analysis Date: 12/27/2017 SeqNo: 1540366 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-35716 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 35716 RunNo: 48058

Prep Date: 12/26/2017 Analysis Date: 12/27/2017 SeqNo: 1540367 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 90.8 90 110

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

S----1- ----II N------

Page 3 of 6

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.

WO#: 1712917

03-Jan-18

Client: GHD Project: MB5 Sample ID LCS-35579 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 35579 RunNo: 47874 Prep Date: 12/18/2017 Analysis Date: 12/19/2017 SeqNo: 1533827 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 4.4 5.000 87.7 70 130 Sample ID MB-35579 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 35579 RunNo: 47874 Prep Date: 12/18/2017 Analysis Date: 12/19/2017 SeqNo: 1533828 Units: %Rec SPK value SPK Ref Val %REC Analyte Result LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 8.4 10.00 83.6 130 SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID 1712917-001AMS S-11135250-09-1211 Batch ID: 35607 RunNo: 47874 Client ID: Prep Date: SeqNo: 1534764 12/19/2017 Analysis Date: 12/20/2017 Units: mg/Kg %REC **PQL** SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual Diesel Range Organics (DRO) 120 9.9 235.6 -236 55.8 125 49.36 Surr: DNOP 4.936 4.4 88.7 70 130 Sample ID 1712917-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: S-11135250-09-1211 Batch ID: 35607 RunNo: 47874 Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1534765 Units: mg/Kg %REC Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 140 9.8 48.83 235.6 -198 55.8 125 15.2 20 S Surr: DNOP 4.7 4.883 95.4 70 130 0 Sample ID LCS-35607 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 35607 RunNo: 47874 Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1534768 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 Λ 89.7 73.2 45 50.00 114 Surr: DNOP 4.2 5.000 84.3 70 130 Sample ID MB-35607 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 35607 RunNo: 47874 Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1534769 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Motor Oil Range Organics (MRO)

Η Holding times for preparation or analysis exceeded

ND

50

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% 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

Page 4 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712917

Qual

03-Jan-18

Client: GHD **Project:** MB5

Sample ID MB-35607 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

PBS RunNo: 47874 Client ID: Batch ID: 35607

12/19/2017 SeqNo: 1534769 Prep Date: Analysis Date: 12/20/2017 Units: mg/Kg

Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Surr: DNOP 7.9 10.00 79.3 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Η Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712917

03-Jan-18

Client: GHD Project: MB5

Sample ID MB-35606 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: 35606 RunNo: 47914

Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1535215 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) ND 5.0

1000 Surr: BFB 860 85.8 15 316

Sample ID LCS-35606 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 35606 RunNo: 47914

Analysis Date: 12/20/2017 Prep Date: 12/19/2017 SeqNo: 1535216 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) 5.0 25.00 111 75.9 131 Surr: BFB 1100 1000 105 15 316

TestCode: EPA Method 8015D: Gasoline Range Sample ID 1712917-001AMS SampType: MS

Client ID: S-11135250-09-1211 Batch ID: 35606 RunNo: 47914

Prep Date: 12/19/2017 Analysis Date: 12/20/2017 SeqNo: 1535218 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Gasoline Range Organics (GRO) 28 24.04 118 77.8 128 Surr: BFB 990 961.5 103 316 15

Sample ID 1712917-001AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: S-11135250-09-1211 Batch ID: 35606 RunNo: 47914

Analysis Date: 12/20/2017 Prep Date: 12/19/2017 SeqNo: 1535219 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 29 4.6 23.21 124 77.8 128 1.16 20 Λ Surr: BFB 920 928.5 99.0 15 316 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Η

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

% 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

P Reporting Detection Limit

Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue: NM 87109

TEL 505-345-3975 FAX: 505-345-4107
Website: www.ballenviroumental.com

Sample Log-In Check List

Client Name:	GHD	Work Order Numb	er: 1712	917		RcptNo:	1
Received By Completed By:	Erin Melendrez Sophia Campuzano	12/14/2017 9:40:00			u un		
Reviewed By:	IMO	12/15/17					
Chain of Cus	tody						
1. Custody sea	ils intact on sample bottles?		Yes		No 🗆	Not Present	
2. Is Chain of C	Custody complete?		Yes	v	No 🗌	Not Present	
3. How was the	e sample delivered?		Cour	ier			
Log In							
4. Was an atte	empt made to cool the samp	es?	Yes	•	No 🗆	NA \square	
5. Were all sar	nples received at a tempera	ture of >0° C to 6.0°C	Yes	•	No 🗌	na 🗆	
6. Sample(s) in	n proper container(s)?		Yes	v	No 🗆		
7, Sufficient sa	mple volume for indicated to	st(s)?	Yes	v	No 🗌		
8. Are samples	(except VOA and ONG) pro	perly preserved?	Yes	~	No 🗆		
9. Was preserv	vative added to bottles?		Yes		No 🗹	NA 🗆	
10.VOA vials ha	ave zero headspace?		Yes		No 🗆	No VOA Vials	
11. Were any sa	ample containers received b	roken?	Yes		No 🗸	- Architecture	
						# of preserved bottles checked	
	work match bottle labels?		Yes	~	No 🗆	for pH:	r >12 unless noted
	pancies on chain of custody		V	~	No 🗆	Adjusted?	>12 unless noted
	correctly identified on Chair at analyses were requested	Service across consecutions and across	Yes		No 🗆	_	
15. Were all hold	ding times able to be met? customer for authorization.)		Yes	✓	No 🗆	Checked by:	
Special Hand	lling (if applicable)						
	otified of all discrepancies w	ith this order?	Yes		No 🗆	NA 🗸	
Person	Notified:	Date:					
By Wh	om:	Via	eMa	d 🗌	Phone Fax	In Person	
Regard Client	fing:						
17. Additional re	emarks:						
18. Cooler Info	The second secon	Secretary Control		- 1			
Cooler No	Temp C Condition	Seal Intact Seal No	Seal Da	ite	Signed By		

www.ghd.com

