GHD

March 26, 2018

Reference No. 11135250-11

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

Dear Mr. Ericson:

Re: Site Assessment Summary and Remediation Work Plan James Ranch Compressor Station 2RP-ETC Field Services LLC Site Location: Unit E, Sec. 16, T 23-S, R 31-E (Lat 32.30538N°, Long -103.78808W°) Eddy County, New Mexico

GHD Services, Inc. (GHD) is pleased to present this summary of assessment activities and recommendations for remediation for the above referenced site to ETC Field Services, LLC (ETC). The James Ranch Compressor Station (hereafter referred to as the "Site") is located within Unit E, Section 16, Township 23 South, Range 31 East, in Eddy County, New Mexico (see Figure 1). The site is owned by the New Mexico State Land Office (NMSLO).

On December 18, 2017, a release of approximately 13.7 barrels of water/condensate was reported to the State of New Mexico Oil Conservation Division (NMOCD) and the NMSLO via Form C-141. A pipeline relief valve failed due to low fuel header pressure. Release number 2RP- was assigned by NMOCD for this event. The affected pad area was scraped with earth moving equipment to an approximate depth of 1 foot and the soils stockpiled on site.

# 1. Recommended Remediation Action Limits

Based on information available from the United States Geologic Survey National Water Information System, the depth to groundwater at the Site is approximately 110 ft. below ground surface (bgs). This is based on a water well located approximately 1.1 mile west-south west of the Site (see Attachment A, Water Well Reports for depth to water). Additionally, there are no wellhead protection areas or surface water bodies within 1,000 feet (ft.) of the Site. Therefore, the preliminary total ranking score is 0 (see Table below).

Based on this score, the applicable NMOCD Site specific Recommended Remediation Action Limits (RRALs) are defined as follows:





New Mexico Oil Conservation Division Site Assessment	
Ranking Criteria	Score
Depth to Ground Water (>100 ft. bgs)	0
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	0*
N La Cala	

Notes:

- \* Because the ranking criteria total score is 0, NMOCD established RRALs are 10 mg/kg for benzene, 50 mg/kg for total BTEX, 5,000 mg/kg for total TPH and 600 ppm for chlorides<sup>1</sup>.
- <sup>1</sup> NMOCD Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993 and recent discussions with Mr. Jim Griswold with the NMOCD.

# 2. Assessment Activities

Ms. Amber Groves with the NMSLO, in an email communication dated December 18, 2017, granted permission to begin remediation activities before a NMSLO issued Right of Entry permit had been obtained. ETC initiated remediation activities within the pad area that included scraping and stockpiling stained soil. GHD submitted an application for a Right of Entry permit on January 9, 2018.

GHD personnel performed limited soil sampling at the site on January 5, 2018. The Site assessment included the collection of soil samples within the scraped pad area and in the pasture (off-pad area) for field screening and laboratory analyses for petroleum hydrocarbons and chloride (see Figure 2 for locations). Eleven soil samples were collected from 10 hand augured locations (HA-1 through HA-10) Samples were collected from a depth of 6 inches at all of the locations, and a sample was also collected from a depth of one foot in HA-1. The samples were submitted to Hall Environmental Analysis Laboratory located in Albuquerque, New Mexico. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021, total petroleum hydrocarbons (TPH) by EPA Method 8015, and chloride by EPA 300.0 analysis.

Toluene and ethylbenzene were detected in sample HA-1 6" at a concentration of 3.5 milligrams per kilogram (mg/kg) and xylenes were detected in this sample at a concentration of 20 mg/kg. BTEX constituents were not detected above the laboratory reporting limits (LRLs) in the remainder of the samples. Total TPH concentrations ranged from below LRLs to 3,270 mg/kg, and chloride concentrations ranged from below the LRL to 460 mg/kg. The laboratory report is included in Appendix B and the results are summarized on Figure 2 and in Table 1.

The only sample that contained concentrations above the LRLs was collected from HA-1 at a depth of 6 inches. The sample collected at a depth of one foot from HA-1 did not contain any of the analytes above the LRLs. None of the detected concentrations exceeded the RRALs.



# 3. Summary and Recommendations

Soil samples were collected from the release area within the pad and from the adjoining pasture (see Figure 2) and submitted for laboratory analyses. Based on the laboratory results, the vertical and horizontal extent of petroleum hydrocarbons and chloride impacted soil has been assessed to below the RRALs in both areas.

Based on the results of the assessment activities, GHD proposes the following remedial action:

 Micro-Blaze® will be applied to the pasture area to remediate any residual petroleum hydrocarbon contamination. Micro-Blaze® contains a proprietary blend of wetting agents, nutrients, and several strains of safe, non-pathogenic Bacillus bacteria. When applied to a hydrocarbon-based or organic spill or contaminant, the wetting agent begins breaking down the contaminants into smaller molecules for more efficient degradation by the microbes, into harmless byproducts including carbon dioxide, water, and trace salts.

Following completion of the above activities, a request for no further action will be submitted to the NMOCD for the Site. Should you have any questions, or require additional information regarding this submittal please feel free to contact myself, or Bernie Bockisch at (505) 884-0672 or Bernard.Bockisch@ghd.com.

Sincerely,

GHD

AIC Brand

Alan Brandon Senior Project Manager

AB/md/1

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Andwaller

Jeffrey Walker Senior Project Manager





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# SITE LOCATION MAP

**FIGURE 1** 

CAD File: I:\CAD\Files\Eight Digit Job Numbers\1113----\11135250-ETC Field Services\11135250-11(000)GN-DL001.dwg







EDDY COUNTY, NEW MEXICO JAMES RANCH COMPRESSOR STATION

SOIL SAMPLE LOCATION

CAD File: I:\CAD\Files\Eight Digit Job Numbers\1113----\11135250-ETC Field Services\11135250-11(000)GN-DL001.dwg

FIGURE 2

### Table 1

## ETC Field Services LLC - James Ranch Compressor Station Section 16, Township 23 South, Range 31 East Eddy County, New Mexico Soil Analytical Results Summary

Sample ID	Date	Sample Depth	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	TPH GRO (C6-C-10)	TPH DRO (C10-C28)	TPH EXT DRO (C28-C36)	Total TPH GRO/DRO
		(ft.)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMOCD Remediation	n Action Levels		600	10	NE	NE	NE	50	NE	NE	NE	5,000
						ASSESSME	NT SOIL SAMPL	.ES				
S-11135250-11-010518-MG-HA-1-6"	1/5/2018	0.5	460	<0.23	3.5	3.5	20	27	420	2,100	750	3,270
S-11135250-11-010518-MG-HA-1-12"	1/5/2018	1	<30	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<10	<51	<65.6
S-11135250-11-010518-MG-HA-2-6"	1/5/2018	0.5	<30	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.5	<48	<62.3
S-11135250-11-010518-MG-HA-3-6"	1/5/2018	0.5	<30	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.7	<48	<62.7
S-11135250-11-010518-MG-HA-4-6"	1/5/2018	0.5	<30	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.9	<49	<63.6
S-11135250-11-010518-MG-HA-5-6"	1/5/2018	0.5	<30	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.2	<46	<60.2
S-11135250-11-010518-MG-HA-6-6"	1/5/2018	0.5	<30	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.4	<47	<61.0
S-11135250-11-010518-MG-HA-7-6"	1/5/2018	0.5	<30	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.1	<46	<59.8
S-11135250-11-010518-MG-HA-8-6"	1/5/2018	0.5	<30	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.7	<48	<62.5
S-11135250-11-010518-MG-HA-9-6"	1/5/2018	0.5	<30	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.4	<47	<61.3
S-11135250-11-010518-MG-HA-10-6"	1/5/2018	0.5	<30	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.5	<48	<62.3

Note:

Concentrations in yellow exceed the NMOCD Remediation Action Level NE = Not Established mg/Kg = milligrams per Kilogram 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



USGS Water Resources National Water Information System: Web Interface

Data Category: Groundwater Geographic Area: United States

USGS Home Contact USGS Search USGS

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5 GO

Click to hideNews Bulletins

- • Please see news on new formats Full News

Groundwater levels for the Nation

# Search Results -- 1 sites found

Agency code = usgs site\_no list = 321809103481801

Minimum number of levels = 1 Save file of selected sites to local disk for future upload

# USGS 321809103481801 23S.31E.17.31141

Eddy County, New Mexico Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83 Land-surface elevation 3,326.00 feet above NGVD29 The depth of the well is 354 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer. Output formats

Table of data

Lab-separated data Graph of data Reselect period									
Date	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem

2013-01-16 16:30 MST

1992-11-04 1987-10-15 1959-02-04

3 0 0 0

111.20 110.84

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USGS

128.64 109.68

	Explanation
Code	Description
D	Date is accurate to the Day
Э	Date is accurate to the Minute
2	Water level accuracy to nearest hundredth of a foot
	The reported water-level measurement represents a static level
P	Site was being pumped.
R	Site had been pumped recently.
S	Steel-tape measurement.
C	Unknown method.
	Not determined
USGS	U.S. Geological Survey
S	Measured by personnel of reporting agency.
C	Source is unknown.
A	Approved for publication Processing and review completed.
	Code USGS C S R P 2 B D

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

Accessibility Plug-Ins FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels? Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2017-12-18 10:11:14 EST 0.74 0.66 nadww01

USA.gov

# Attachment B Certified Laboratory Reports



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

January 15, 2018

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

OrderNo.: 1801310

RE: James Ranch

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 11 sample(s) on 1/6/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab Order: 1801310

Date Reported: 1/15/2018

CLIENT: Project:	GHD James Ranch					Lab O	order:	1801310	
Lab ID:	1801310-001			(	Collection Da	ate: 1/5	/2018 10:2	20:00 AM	
<b>Client Sample ID</b>	: S-11135250-11-0	10518-MG-HA-1-6	5"		Mat	rix: SO	IL		
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed B	atch ID
EPA METHOD 30	00.0: ANIONS							Analys	t: MRA
Chloride		460	30	)	mg/Kg	20	1/14/2018	9:41:41 PM	36012
EPA METHOD 80	015M/D: DIESEL RA	NGE ORGANICS						Analys	t: TOM
Diesel Range Org	anics (DRO)	2100	94		mg/Kg	10	1/10/2018	12:45:32 PM	1 35932
Motor Oil Range	Organics (MRO)	750	470	1	mg/Kg	10	1/10/2018	12:45:32 PM	1 35932
Surr: DNOP		0	70-130	S	%Rec	10	1/10/2018	12:45:32 PN	1 35932
EPA METHOD 80	015D: GASOLINE RA	ANGE						Analys	t: NSB
Gasoline Range (	Drganics (GRO)	420	47		mg/Kg	10	1/10/2018	12:45:11 PN	1 35910
Surr: BFB		265	15-316	i	%Rec	10	1/10/2018	12:45:11 PN	1 35910
EPA METHOD 80	021B: VOLATILES							Analys	t: NSB
Benzene		ND	0.23		mg/Kg	10	1/10/2018	12:45:11 PM	1 35910
Toluene		3.5	0.47	,	mg/Kg	10	1/10/2018	12:45:11 PM	1 35910
Ethylbenzene		3.5	0.47	,	mg/Kg	10	1/10/2018	12:45:11 PN	1 35910
Xylenes, Total		20	0.93		mg/Kg	10	1/10/2018	12:45:11 PN	1 35910
Surr: 4-Bromof	luorobenzene	132	80-120	S	%Rec	10	1/10/2018	12:45:11 PN	1 35910
Lab ID:	1801310-002			(	Collection Da	ate: 1/5	/2018 10:2	22:00 AM	
<b>Client Sample ID</b>	: S-11135250-11-0	10518-MG-HA-1-1	12"		Mat	rix: SO	IL		
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed B	atch ID
EPA METHOD 30	00.0: ANIONS							Analys	t: MRA
Chloride		ND	30	)	mg/Kg	20	1/14/2018	9:54:06 PM	36012
EPA METHOD 80	015M/D: DIESEL RA	NGE ORGANICS						Analys	t: TOM
Diesel Range Org	anics (DRO)	ND	10	)	mg/Kg	1	1/10/2018	1:09:49 PM	35932
Motor Oil Range	Organics (MRO)	ND	51		mg/Kg	1	1/10/2018	1:09:49 PM	35932
Surr: DNOP		104	70-130	)	%Rec	1	1/10/2018	1:09:49 PM	35932
EPA METHOD 80	015D: GASOLINE RA	ANGE						Analys	t: NSB
Gasoline Range (	Drganics (GRO)	ND	4.6		mg/Kg	1	1/10/2018	1:56:46 PM	35910
Surr: BFB		91.6	15-316	i	%Rec	1	1/10/2018	1:56:46 PM	35910
EPA METHOD 80	021B: VOLATILES							Analys	t: NSB
Benzene		ND	0.023		mg/Kg	1	1/10/2018	1:56:46 PM	35910
Toluene		ND	0.046	;	mg/Kg	1	1/10/2018	1:56:46 PM	35910
Ethylbenzene		ND	0.046	i	mg/Kg	1	1/10/2018	1:56:46 PM	35910
Xylenes, Total		ND	0.092		mg/Kg	1	1/10/2018	1:56:46 PM	35910
Surr: 4-Bromof	luorobenzene	112	80-120	)	%Rec	1	1/10/2018	1:56:46 PM	35910

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

- Qualifiers: \* Value exceeds Maximum Contaminant Level.
  - D Sample Diluted Due to Matrix
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit
  - PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1801310

Date Reported: 1/15/2018

CLIENT: Project:	GHD James Ranch				Lab Or	r <b>der:</b> 18013	310
Lab ID:	1801310-003			Collection Da	ate: 1/5/2	2018 10:30:00 A	М
Client Sample ID	: S-11135250-11-01	0518-MG-HA-2-	6"	Mat	rix: SOI	L	
Analyses		Result	PQL Q	ual Units	DF I	Date Analyzed	Batch ID
EPA METHOD 30	0.0: ANIONS					Ana	alyst: MRA
Chloride		ND	30	mg/Kg	20	1/14/2018 10:31:2	1 PM 36012
EPA METHOD 80	15M/D: DIESEL RAN	GE ORGANICS				Ana	alvst: <b>TOM</b>
Diesel Range Org	anics (DRO)	ND	9.5	ma/Ka	1	1/10/2018 1:34:12	PM 35932
Motor Oil Range C	Drganics (MRO)	ND	48	mg/Kg	1	1/10/2018 1:34:12	PM 35932
Surr: DNOP	<b>o</b> ( )	103	70-130	%Rec	1	1/10/2018 1:34:12	PM 35932
EPA METHOD 80	15D: GASOLINE RAI	NGE				Ana	alyst: <b>NSB</b>
Gasoline Range C	Organics (GRO)	ND	4.8	ma/Ka	1	1/10/2018 3:08:18	PM 35910
Surr: BFB	3	90.8	15-316	%Rec	1	1/10/2018 3:08:18	PM 35910
EPA METHOD 80	21B: VOLATILES					Ana	alvst: <b>NSB</b>
Benzene		ND	0.024	ma/Ka	1	1/10/2018 3:08:18	PM 35910
Toluene		ND	0.048	mg/Kg	1	1/10/2018 3:08:18	PM 35910
Ethylbenzene		ND	0.048	mg/Kg	1	1/10/2018 3:08:18	PM 35910
Xylenes, Total		ND	0.097	mg/Kg	1	1/10/2018 3:08:18	PM 35910
Surr: 4-Bromofl	uorobenzene	114	80-120	%Rec	1	1/10/2018 3:08:18	PM 35910
Lab ID:	1801310-004			Collection Da	ate: 1/5/2	2018 10:32:00 A	М
Client Sample ID	<b>S</b> -11135250-11-01	0518-MG-HA-3-	6"	Mat	rix: SOI	L	
Analyses		Result	PQL Q	ual Units	DF I	Date Analyzed	Batch ID
EPA METHOD 30	0.0: ANIONS					Ana	alyst: MRA
Chloride		ND	30	mg/Kg	20	1/14/2018 11:08:3	5 PM 36012
EPA METHOD 80	15M/D: DIESEL RAN	GE ORGANICS				Ana	alyst: <b>TOM</b>
Diesel Range Org	anics (DRO)	ND	9.7	mg/Kg	1	1/10/2018 1:58:25	PM 35932
Motor Oil Range C	Drganics (MRO)	ND	48	mg/Kg	1	1/10/2018 1:58:25	PM 35932
Surr: DNOP		102	70-130	%Rec	1	1/10/2018 1:58:25	PM 35932
EPA METHOD 80	15D: GASOLINE RAI	NGE				Ana	alyst: <b>NSB</b>
Gasoline Range C	Organics (GRO)	ND	5.0	mg/Kg	1	1/10/2018 3:32:01	PM 35910
Surr: BFB	<b>č</b> ( <i>)</i>	90.1	15-316	%Rec	1	1/10/2018 3:32:01	PM 35910
EPA METHOD 80	21B: VOLATILES					Ana	alyst: <b>NSB</b>
Benzene		ND	0.025	mg/Kg	1	1/10/2018 3:32:01	PM 35910
Toluene		ND	0.050	mg/Kg	1	1/10/2018 3:32:01	PM 35910
Ethylbenzene		ND	0.050	mg/Kg	1	1/10/2018 3:32:01	PM 35910
Xylenes, Total		ND	0.099	mg/Kg	1	1/10/2018 3:32:01	PM 35910
Surr: 4-Bromofl	uorobenzene	111	80-120	%Rec	1	1/10/2018 3:32:01	PM 35910

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

- Qualifiers: \* Value exceeds Maximum Contaminant Level.
  - D Sample Diluted Due to Matrix
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit
  - PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1801310

Date Reported: 1/15/2018

CLIENT: Project:	GHD James Ranch			I	.ab O	order:	1801310	
Lab ID:	1801310-005			Collection Date	: 1/5	5/2018 10:35	5:00 AM	
Client Sample ID:	S-11135250-11-010	518-MG-HA-4	-6"	Matrix	s so	IL		
Analyses		Result	PQL Qı	al Units	DF	Date Anal	yzed Ba	tch ID
EPA METHOD 30	0.0: ANIONS						Analyst:	MRA
Chloride		ND	30	mg/Kg	20	1/14/2018 1	1:20:59 PM	36012
EPA METHOD 80	15M/D: DIESEL RANG	<b>BE ORGANICS</b>					Analyst:	том
Diesel Range Orga	anics (DRO)	ND	9.9	ma/Ka	1	1/10/2018 2	2:22:51 PM	35932
Motor Oil Range O	rganics (MRO)	ND	49	mg/Kg	1	1/10/2018 2	2:22:51 PM	35932
Surr: DNOP		100	70-130	%Rec	1	1/10/2018 2	2:22:51 PM	35932
EPA METHOD 80	15D: GASOLINE RAN	GE					Analyst:	NSB
Gasoline Range O	rganics (GRO)	ND	4.7	mg/Kg	1	1/10/2018 3	:55:55 PM	35910
Surr: BFB		89.4	15-316	%Rec	1	1/10/2018 3	8:55:55 PM	35910
EPA METHOD 80	21B: VOLATILES						Analyst:	NSB
Benzene		ND	0.023	mg/Kg	1	1/10/2018 3	3:55:55 PM	35910
Toluene		ND	0.047	mg/Kg	1	1/10/2018 3	8:55:55 PM	35910
Ethylbenzene		ND	0.047	mg/Kg	1	1/10/2018 3	8:55:55 PM	35910
Xylenes, Total		ND	0.093	mg/Kg	1	1/10/2018 3	8:55:55 PM	35910
Surr: 4-Bromoflu	lorobenzene	110	80-120	%Rec	1	1/10/2018 3	8:55:55 PM	35910
Lab ID:	1801310-006			<b>Collection Date</b>	: 1/5	5/2018 10:50	):00 AM	
<b>Client Sample ID:</b>	S-11135250-11-010	518-MG-HA-5	-6"	Matrix	s so	OIL		
Analyses		Result	PQL Qu	al Units	DF	Date Anal	yzed Ba	tch ID
EPA METHOD 30	0.0: ANIONS						Analyst:	MRA
Chloride		ND	30	mg/Kg	20	1/14/2018 1	1:33:24 PM	36012
EPA METHOD 80	15M/D: DIESEL RANG	<b>BE ORGANICS</b>					Analyst:	том
Diesel Range Orga	anics (DRO)	ND	9.2	mg/Kg	1	1/10/2018 2	2:47:07 PM	35932
Motor Oil Range O	rganics (MRO)	ND	46	mg/Kg	1	1/10/2018 2	2:47:07 PM	35932
Surr: DNOP		90.6	70-130	%Rec	1	1/10/2018 2	2:47:07 PM	35932
EPA METHOD 80	15D: GASOLINE RAN	GE					Analyst:	NSB
Gasoline Range O	rganics (GRO)	ND	5.0	mg/Kg	1	1/10/2018 4	:19:47 PM	35910
Surr: BFB	3	90.5	15-316	%Rec	1	1/10/2018 4	:19:47 PM	35910
EPA METHOD 80	21B: VOLATILES						Analyst:	NSB
Benzene		ND	0.025	mg/Kg	1	1/10/2018 4	:19:47 PM	35910
Toluene		ND	0.050	mg/Kg	1	1/10/2018 4	:19:47 PM	35910
Ethylbenzene		ND	0.050	mg/Kg	1	1/10/2018 4	:19:47 PM	35910
Xylenes, Total		ND	0.099	mg/Kg	1	1/10/2018 4	:19:47 PM	35910
Surr: 4-Bromoflu	ıorobenzene	110	80-120	%Rec	1	1/10/2018 4	:19:47 PM	35910

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

- Qualifiers: \* Value exceeds Maximum Contaminant Level.
  - D Sample Diluted Due to Matrix
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit
  - PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1801310

Date Reported: 1/15/2018

CLIENT: Project:	GHD James Ranch				Lab O	rder: 1801	310	
Lab ID:	1801310-007			Collection Da	ate: 1/5/	/2018 10:52:00 A	M	
Client Sample ID:	S-11135250-11-0	10518-MG-HA-6-	6"	Mat	rix: SO	IL		
Analyses		Result	PQL Q	ual Units	DF	Date Analyzed	Batcl	h ID
EPA METHOD 30	0.0: ANIONS					An	alyst: <b>M</b>	IRA
Chloride		ND	30	mg/Kg	20	1/14/2018 11:45:4	9 PM 36	6012
EPA METHOD 80	15M/D: DIESEL RAI	NGE ORGANICS				An	alyst: <b>T</b>	ОМ
Diesel Range Orga	anics (DRO)	ND	9.4	mg/Kg	1	1/10/2018 3:11:40	PM 35	5932
Motor Oil Range C	organics (MRO)	ND	47	mg/Kg	1	1/10/2018 3:11:40	PM 35	5932
Surr: DNOP	,	97.2	70-130	%Rec	1	1/10/2018 3:11:40	PM 35	5932
EPA METHOD 80	15D: GASOLINE RA	NGE				An	alyst: <b>N</b>	SB
Gasoline Range O	rganics (GRO)	ND	4.6	mg/Kg	1	1/10/2018 4:43:30	PM 35	5910
Surr: BFB		89.8	15-316	%Rec	1	1/10/2018 4:43:30	PM 35	5910
EPA METHOD 80	21B: VOLATILES					An	alyst: <b>N</b>	SB
Benzene		ND	0.023	mg/Kg	1	1/10/2018 4:43:30	PM 35	5910
Toluene		ND	0.046	mg/Kg	1	1/10/2018 4:43:30	PM 38	5910
Ethylbenzene		ND	0.046	mg/Kg	1	1/10/2018 4:43:30	PM 3	5910
Xylenes, Total		ND	0.092	mg/Kg	1	1/10/2018 4:43:30	PM 38	5910
Surr: 4-Bromoflu	uorobenzene	109	80-120	%Rec	1	1/10/2018 4:43:30	PM 3	5910
Lab ID:	1801310-008			Collection Da	ate: 1/5/	/2018 10:55:00 A	Μ	
<b>Client Sample ID:</b>	S-11135250-11-0	10518-MG-HA-7-	6"	Mat	rix: SO	IL		
Analyses		Result	PQL Q	ual Units	DF	Date Analyzed	Batcl	h ID
EPA METHOD 30	0.0: ANIONS					An	alyst: <b>M</b>	IRA
Chloride		ND	30	mg/Kg	20	1/14/2018 11:58:1	4 PM 36	6012
EPA METHOD 80	15M/D: DIESEL RAI	NGE ORGANICS				An	alyst: <b>T</b>	ОМ
Diesel Range Orga	anics (DRO)	ND	9.1	ma/Ka	1	1/10/2018 3:35:50	PM 35	5932
Motor Oil Range C	organics (MRO)	ND	46	mg/Kg	1	1/10/2018 3:35:50	PM 35	5932
Surr: DNOP	0 ( )	98.3	70-130	%Rec	1	1/10/2018 3:35:50	PM 35	5932
EPA METHOD 80	15D: GASOLINE RA	NGE				An	alyst: <b>N</b>	SB
Gasoline Range O	rganics (GRO)	ND	4.7	mg/Kg	1	1/10/2018 5:07:24	PM 35	5910
Surr: BFB	<b>o</b> ( )	90.8	15-316	%Rec	1	1/10/2018 5:07:24	PM 3	5910
EPA METHOD 80	21B: VOLATILES					An	alyst: N	SB
Benzene		ND	0.024	mg/Kg	1	1/10/2018 5:07:24	PM 35	5910
Toluene		ND	0.047	mg/Kg	1	1/10/2018 5:07:24	PM 35	5910
Ethylbenzene		ND	0.047	mg/Kg	1	1/10/2018 5:07:24	PM 38	5910
Xylenes, Total		ND	0.094	mg/Kg	1	1/10/2018 5:07:24	PM 35	5910
Surr: 4-Bromoflu	uorobenzene	110	80-120	%Rec	1	1/10/2018 5:07:24	PM 3	5910

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

- Qualifiers: \* Value exceeds Maximum Contaminant Level.
  - D Sample Diluted Due to Matrix
  - H Holding times for preparation or analysis exceeded
  - ND Not Detected at the Reporting Limit
  - PQL Practical Quanitative Limit
  - S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order: 1801310

Date Reported: 1/15/2018

CLIENT: Project:	GHD James Ranch				Lab O	rder: 1801	310
Lab ID:	1801310-009			Collection Da	te: 1/5	/2018 11:05:00 A	М
Client Sample ID	: S-11135250-11-01	0518-MG-HA-8-	6"	Matr	ix: SO	IL	
Analyses		Result	PQL Q	ual Units	DF	Date Analyzed	Batch ID
EPA METHOD 30	0.0: ANIONS					An	alyst: MRA
Chloride		ND	30	mg/Kg	20	1/15/2018 12:10:3	8 AM 36012
EPA METHOD 80	15M/D: DIESEL RAN	GE ORGANICS				An	alyst: <b>TOM</b>
Diesel Range Org	anics (DRO)	ND	9.7	mg/Kg	1	1/10/2018 4:00:16	PM 35932
Motor Oil Range (	Drganics (MRO)	ND	48	mg/Kg	1	1/10/2018 4:00:16	PM 35932
Surr: DNOP		96.5	70-130	%Rec	1	1/10/2018 4:00:16	PM 35932
EPA METHOD 80	15D: GASOLINE RAM	NGE				An	alyst: <b>NSB</b>
Gasoline Range C	Drganics (GRO)	ND	4.8	mg/Kg	1	1/10/2018 7:53:48	PM 35910
Surr: BFB		90.4	15-316	%Rec	1	1/10/2018 7:53:48	PM 35910
EPA METHOD 80	21B: VOLATILES					An	alyst: <b>NSB</b>
Benzene		ND	0.024	mg/Kg	1	1/10/2018 7:53:48	PM 35910
Toluene		ND	0.048	mg/Kg	1	1/10/2018 7:53:48	PM 35910
Ethylbenzene		ND	0.048	mg/Kg	1	1/10/2018 7:53:48	PM 35910
Xylenes, Total		ND	0.096	mg/Kg	1	1/10/2018 7:53:48	PM 35910
Surr: 4-Bromof	uorobenzene	109	80-120	%Rec	1	1/10/2018 7:53:48	PM 35910
Lab ID:	1801310-010			<b>Collection Da</b>	te: 1/5	/2018 11:10:00 A	М
Client Sample ID	: S-11135250-11-01	0518-MG-HA-9-	6"	Matr	ix: SO	IL	
Analyses		Result	PQL Q	ual Units	DF	Date Analyzed	Batch ID
EPA METHOD 30	0.0: ANIONS					An	alyst: MRA
Chloride		ND	30	mg/Kg	20	1/15/2018 12:23:0	3 AM 36012
EPA METHOD 80	15M/D: DIESEL RAN	GE ORGANICS				An	alvst: <b>TOM</b>
Diesel Range Org	anics (DRO)	ND	9.4	ma/Ka	1	1/10/2018 4:24:37	PM 35932
Motor Oil Range (	Drganics (MRO)	ND	47	mg/Kg	1	1/10/2018 4:24:37	PM 35932
Surr: DNOP		94.8	70-130	%Rec	1	1/10/2018 4:24:37	PM 35932
EPA METHOD 80	15D: GASOLINE RAM	NGE				An	alyst: <b>NSB</b>
Gasoline Range C	Drganics (GRO)	ND	4.9	mg/Kg	1	1/10/2018 8:17:35	PM 35910
Surr: BFB		89.0	15-316	%Rec	1	1/10/2018 8:17:35	PM 35910
EPA METHOD 80	21B: VOLATILES					An	alyst: <b>NSB</b>
Benzene		ND	0.024	mg/Kg	1	1/10/2018 8:17:35	PM 35910
Toluene		ND	0.049	mg/Kg	1	1/10/2018 8:17:35	PM 35910
Ethylbenzene		ND	0.049	mg/Kg	1	1/10/2018 8:17:35	PM 35910
Xylenes, Total		ND	0.097	mg/Kg	1	1/10/2018 8:17:35	PM 35910
Surr: 4-Bromof	uorobenzene	107	80-120	%Rec	1	1/10/2018 8:17:35	PM 35910

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

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

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

Analytical <b>F</b>	Report
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Lab Order: 1801310

Date Reported: 1/15/2018

CLIENT: Project:	GHD James Ranch				Lab O	order: 1801	310
Lab ID:	1801310-011			Collection D	ate: 1/5	/2018 11:15:00 A	M
Client Sample ID	<b>S</b> -11135250-11-010	0518-MG-HA-1	0-6"	Mat	rix: SO	IL	
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 3	00.0: ANIONS					An	alyst: MRA
Chloride		ND	30	mg/Kg	20	1/15/2018 1:00:16	AM 36012
EPA METHOD 8	015M/D: DIESEL RAN	GE ORGANICS				An	alyst: <b>TOM</b>
Diesel Range Org	ganics (DRO)	ND	9.5	mg/Kg	1	1/10/2018 4:48:56	PM 35932
Motor Oil Range	Organics (MRO)	ND	48	mg/Kg	1	1/10/2018 4:48:56	PM 35932
Surr: DNOP		97.3	70-130	%Rec	1	1/10/2018 4:48:56	PM 35932
EPA METHOD 8	015D: GASOLINE RAM	NGE				An	alyst: <b>NSB</b>
Gasoline Range	Organics (GRO)	ND	4.8	mg/Kg	1	1/10/2018 8:41:25	PM 35910
Surr: BFB		90.7	15-316	%Rec	1	1/10/2018 8:41:25	PM 35910
EPA METHOD 8	021B: VOLATILES					An	alyst: <b>NSB</b>
Benzene		ND	0.024	mg/Kg	1	1/10/2018 8:41:25	PM 35910
Toluene		ND	0.048	mg/Kg	1	1/10/2018 8:41:25	PM 35910
Ethylbenzene		ND	0.048	mg/Kg	1	1/10/2018 8:41:25	PM 35910
Xylenes, Total		ND	0.095	mg/Kg	1	1/10/2018 8:41:25	PM 35910
Surr: 4-Bromot	fluorobenzene	110	80-120	%Rec	1	1/10/2018 8:41:25	PM 35910

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

Qualifiers:

\*

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

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 10 J
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified W

GHD

Project:	James	Ranch									
Sample ID	MB-36012	SampTyp	e: <b>m</b> t	olk	Tes	tCode: El	PA Method	300.0: Anion	S		
Client ID:	PBS	Batch II	D: 36	012	F	RunNo: 4	8434				
Prep Date:	1/14/2018	Analysis Dat	e: 1/	14/2018	S	SeqNo: 1	556984	Units: <b>mg/k</b>	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-36012	SampTyp	e: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch II	D: 36	012	F	RunNo: 4	8434				
Prep Date:	1/14/2018	Analysis Dat	e: 1/	14/2018	S	SeqNo: 1	556985	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	98.1	90	110			

# **Qualifiers:**

**Client:** 

- \* Value exceeds Maximum Contaminant Level.
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
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- 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 7 of 10

Analysis Date: 1/10/2018

PQL

10

50

10.00

Result

ND

ND

9.5

### **Client:** GHD **Project:** James Ranch Sample ID LCS-35932 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics LCSS Client ID: Batch ID: 35932 RunNo: 48338 SeqNo: 1552552 Prep Date: 1/9/2018 Analysis Date: 1/10/2018 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 48 50.00 0 96.2 70 130 Surr: DNOP 5.000 89.7 70 4.5 130 Sample ID MB-35932 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 35932 RunNo: 48338

SeqNo: 1552553

94.8

SPK value SPK Ref Val %REC LowLimit

Units: mg/Kg

130

%RPD

RPDLimit

Qual

HighLimit

70

# **Qualifiers:**

Prep Date:

Surr: DNOP

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Analyte

1/9/2018

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

# Page 8 of 10

Client:	GHD															
Project:	James Ra	anch														
Sample ID	MB-35910	Samp	Type: MI	BLK	TestCode: EPA Method 8015D: Gasoline Range											
Client ID:	PBS	Batc	h ID: 35	910	RunNo: <b>48355</b>											
Prep Date:	1/8/2018	Analysis [	Date: 1	/10/2018	S	SeqNo: 1	553192	Units: <b>mg/l</b>								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Rang	ge Organics (GRO)	ND	5.0													
Surr: BFB		890		1000		89.4	15	316								
Sample ID LCS-35910 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range																
Client ID:	LCSS	Batc	h ID: 35	910	RunNo: <b>48355</b>											
Prep Date:	1/8/2018	S	SeqNo: 1	553221	Units: <b>mg/Kg</b>											
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Rang	ge Organics (GRO)	25	5.0	25.00	0	99.1	75.9	131								
Surr: BFB		980		1000		97.7	15	316								
Sample ID	1801310-002AMS	Samp	Туре: М	S	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e						
Client ID:	S-11135250-11-01	05 Batc	h ID: 35	910	F	RunNo: 4	8355									
Prep Date:	1/8/2018	Analysis [	Date: 1	/10/2018	S	SeqNo: 1	553224	Units: <b>mg/l</b>								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Rang	ge Organics (GRO)	24	4.7	23.54	0	102	77.8	128								
Surr: BFB		930		941.6		99.0	15	316								
Sample ID	1801310-002AMS	D Samp	Type: M	SD	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e						
Client ID:	S-11135250-11-01	05 Batc	h ID: 35	910	RunNo: <b>48355</b>											
Prep Date:	Date: 1/8/2018 Analysis Date: 1/10/2018 SeqNo: 1553225 Units: mg/Kg															
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Rang	ge Organics (GRO)	24	4.9	24.63	0	97.9	77.8	128	0.0920	20						
Surr: BFB		990		985.2		100	15	316	0	0						

# **Qualifiers:**

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- 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 10

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc

GHD

WO#: **1801310** *15-Jan-18* 

Project: James R	anch									
Sample ID MB-35910	Type: MBLK TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batch	n ID: 35	910	F	RunNo: 4	8355				
Prep Date: 1/8/2018	Analysis Date: 1/10/2018			S	SeqNo: 1	553249	Units: <b>mg/k</b>	٢g		
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	1.1		1.000		109	80	120			
Sample ID LCS-35910	SampT	ype: LC	S	Tes	tCode: El					
Client ID: LCSS	Batch	n ID: 35	910	F	RunNo: 4	8355				
Prep Date: 1/8/2018	Analysis Date: 1/10/2018			5	SeqNo: 1	553250	Units: <b>mg/k</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	77.3	128			
Toluene	0.97	0.050	1.000	0	97.4	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80.7	127			
Xylenes, Total	2.8	0.10	3.000	0	94.7	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

# **Qualifiers:**

**Client:** 

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- P Sample pH Not In Range
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# Page 10 of 10

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta All TEL: 505-345-397 Website: www.h	al Analysis Labo 4901 Hawk buquerque, NM 5 FAX: 505-34. hallenvironment	mple Log-In Check List								
Client Name: GHD	Work Order Numbe	r: 1801310		RcptNo: 1							
Received By: Anne Thorne	1/6/2018 10:30:00 AN	A .	anne An	~							
Completed By: Sophia Campuzano	1/8/2018 9:22:05 AM		Sophia Carper								
Reviewed By:	1818										
Chain of Custody											
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present							
2. How was the sample delivered?		<u>Courier</u>									
Log In 3. Was an attempt made to cool the samp	les?	Yes 🗹	No 🗌	NA 🗔							
4. Were all samples received at a tempera	ture of >0° C to 6.0°C	Yes 🔽	No 🗌								
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗔								
6. Sufficient sample volume for indicated te	est(s)?	Yes 🔽	No 🗌								
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌								
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗍							
9. VOA vials have zero headspace?		Yes	No 🗆	No VOA Vials 🗹							
10. Were any sample containers received b	roken?	Yes	No 🗹 [	·							
11.Does paperwork match bottle labels? (Note discrepancies on chain of custody)	)	Yes 🔽	No 🗆	# of preserved bottles checked for pH: (<2 or	>12 unless noted)						
12. Are matrices correctly identified on Chai	n of Custody?	Yes 🗹	No 🗌	Adjusted?							
13. Is it clear what analyses were requested	?	Yes 🗹	No 🗌								
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:							
Special Handling (if applicable)											
15. Was client notified of all discrepancies w	vith this order?	Yes 🗌	No 🗌	NA 🗹							
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via: [	_ eMail _	Phone 🗌 Fax	in Person							
17. <u>Cooler Information</u> Cooler No Temp °C Condition	Seal Intact Seal No S	Seal Date	Signed By								
li 1.8 Good			**************************************								

Chain-of-Custody Record				Turn-Arou	nd Time:	<u> </u>						_							_
Client: GHD				Standard C Rush															
				Project Name:															
Mailing Address:				James Ranch															
BILI Indian School RA NE				Project #:				Tel 505-345-3975 Eax 505-345-4107											
Phone #: 505 884 0672				11136250-11			Analysis Request												
email or Fax#: Basnard, Back isch @ ghd. com				Project Ma	anager:			(ylı	õ				)4)					1	
QA/QC	Package:						021	IS OL	MR		l î		4,SC	B's			$\sim$		
🗆 Sta	ndard		□ Level 4 (Full Validation)	Ke.s	nard bac	K isch	Ps (8	Û,	õ		SIX		Q.	2 PC			0		
	litation			Sampler:				HL		$\widehat{\Xi}$	570		°0N NO	808;		1	Ň		Î
			<u>الم</u>	On Ice:	Z Yes	i EliNo SI∕V		+ Ш	S S S S	418 702	5 5 8 10	s la	NO3	es /		(A)	Je J		o /
	 					/10		MTB	2B (	thod thod	310	Meta	,C,	sticid	(YO		j.		es (
Date	Time	Matrix	Sample Request ID	Containe	Preservative	HEAL No:	X	+	801		s (8	A 8	JS (F	Pe	B	Se _	ð		qqn
nsinchs	,			туре апо	# Type	1801310	BTE)	3TE)	H		AH	SCR	Anio	3081	3260	3270	5		∕ir B
<u> (103 10</u>	1020	S	5-11135250-11-010518-MG-HA-1-6"	+ ez (	TCE	-001	X		$\overline{\langle}$					~			$\overline{\mathbf{x}}$		
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If necessary, samples submitted 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.

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