2020 Annual Monitoring Report

Jal No. 4 Landfarm
Lea County, New Mexico
NM2-019

ETC Texas Pipeline Ltd., Limited Partnership

22 November 2021

→ The Power of Commitment

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Document status

Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S2	Final	Christine Mathews	Tom Larson		Christine Mathews		11/22/21
[Status code]							
[Status code]							
[Status code]							
[Status code]							

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1. Introduction

This report presents the results of landfarm monitoring during 2020 at the ETC Texas Pipeline Ltd., Limited Partnership (ETC), Jal No. 4 Landfarm (Landfarm/Facility). The Landfarm is located in Lea County, New Mexico. The Landfarm (Permit NM2-019) was operated and maintained as a “centralized” facility. The Facility was never operated for commercial use. The Landfarm was generally operated in accordance with the New Mexico Oil Conservation Division (NMOCD), Surface Waste Management Facilities regulations (Title 19 Chapter 15 Part 36 New Mexico Administrative Code (NMAC)). No waste has been received since 2010.

The Facility is located approximately 10 miles north of Jal, New Mexico to the south of Deep Wells Road and approximately 2 miles west of Highway 18 in Lea County. The area surrounding the Landfarm is used for cattle grazing as well as oil and gas production. A Site Vicinity Map is included as **Figure 1** and a Site Detail Map is included as **Figure 2**.

1.1 Background

The Landfarm consists of 15 cells ranging in surface area from 0.35 acres to 4.92 acres. The total area of the Landfarm is over 40 acres. According to information provided in previous reports and correspondences, the initial load of impacted soil was delivered to the Landfarm in January 2002. Reportedly, as of December 31, 2010, a total of approximately 65,815 cubic yards (cy) of impacted soil had been placed in 15 cells located at the Facility. The Landfarm is no longer accepting soil and is in the process of being closed. The last delivery of soil was received in June 2010.

Landfarmed soils within each cell have been disked on a bi-weekly schedule to promote the degradation of hydrocarbon concentrations. Limited amounts of water have historically been added to the cell soils periodically to enhance bioremediation. A request to reduce the tilled cells to only Cell 3 and Cell 4 was sent by GHD to the NMOCD on September 14, 2016. It was requested by the NMOCD that a form C-137A, Application for Minor Modification to Surface Waste Management Facility, be completed in addition to the written request. The form was completed and submitted by GHD to the NMOCD on October 24, 2016. Approval to discontinue tilling in all cells except Cell 3 was received in a letter from the NMOCD dated October 26, 2017. In accordance with the approved closure/post closure plan, a request for additional time to meet treatment zone closure performance standards was submitted December 2018 and subsequently approved with an extension date of July 23, 2020. An additional request for further extension of time was submitted December 4, 2020. This request was recalled on September 3, 2021, resubmitted September 3, 2021and received NMOCD approval on November 30, 2021. The extension of time is until July 31, 2022.

On November 14, 2016, ETC received a letter from the NMOCD requesting a sample plan be submitted to address the completion of additional background sampling prior to utilizing statistical software ProUCL to determine background concentrations for the Facility. On December 12, 2016, ETC and GHD submitted a response to the request for a sampling plan. Background data was approved as of February 2018. ProUCL background calculations were submitted to the NMOCD on April 3, 2018. In June 2018, the NMOCD returned several comments concerning the April 2018 submission of background calculations. A revised submittal of background calculations was submitted in January 2019. The NMOCD has stated that further corrections need to be made to the statistical calculations.

. Following closure of the landfarm post closure activities will be conducted in accordance with regulatory requirements and the 2014 approved Landfarm Closure and Post-Closure Care Plan. Currently, only Cells 3 and 4 are being tilled since they have only intermittently met treatment zone closure performance standards. Aerial photographic documentation of existing natural vegetation conditions was administered in September 2019 via drone and were submitted as Appendix A in the 2019 Annual Monitoring Report.

2. Soil Monitoring

2.1 Landfarm Soil Monitoring Requirements

Soils at the Landfarm are classified as two distinct intervals within each cell based on NMAC 19.15.36.15 and permit NM2-019 approval conditions. The upper portion of soil in each cell is the “treatment zone”. Treatment zone soil consists of soils that were transported to the Landfarm and placed in cells for remediation. The lower portion of soil in each cell is the “vadose zone” or native soil below the treatment zone soils.

Section 19.15.36.15.D NMAC requires the collection and analysis of at least one composite soil sample, consisting of four discrete samples, from the treatment zone of each cell on a semiannual basis for monitoring purposes. Treatment zone samples are to be analyzed for total petroleum hydrocarbons (TPH), gasoline range organics and diesel range organics (GRO/DRO) by Environmental Protection Agency (EPA) Method 8015D and M/D and chloride by EPA Method 300.1. Additionally, treatment zone samples are analyzed annually for benzene, toluene, ethylbenzene, and totally xylenes (BTEX) by EPA Method 8021B and New Mexico Water Quality Control Commission (NMWQCC) metals by EPA SW 846 Method 6010B and mercury by EPA Method 6020A.

Prior to August 2014, a various number of discrete treatment zone samples from each cell were collected, based on cell size and a grid system. Those samples were not composited, but rather analyzed and reported individually as seen in **Table 1**. These analyses are identified by the letter “G” followed by the number of the grid they were collected from (e.g. G3). From August 2014 and forward, samples collected from the treatment zone were composited from four discrete samples collected at random and then analyzed as described above. The composite samples are identified as “CS” in **Table 1**.

The approved Landfarm Closure and Post Closure Care Plan (plan dated 07/11/2014; approval letter dated July 22, 2014; amended October 13, 2017 and approved October 26, 2017) requires the collection and analysis of a minimum of one random discrete soil sample from the vadose zone on a quarterly basis. Vadose zone samples are collected from soils not to exceed 3 feet below the original ground surface. The vadose zone samples are to be analyzed quarterly for TPH by EPA Method 418.1 or an NMOCD approved method and BTEX by EPA Method 8021B. Samples are also to be analyzed for chloride by EPA Method 300.1 on a semiannual basis, and for NMWQCC metals by EPA SW 846 Method 6010B, mercury by EPA Method 6020A and sulfate by EPA Method 300.1 on an annual basis. In order to maintain consistency in analytical methods between the treatment zone and vadose zone a Minor Modification was submitted to the NMOCD on July 26, 2019 for the use of 8015B in the vadose zone. A change from the 418.1 method to 8015B for the treatment zone was accepted via approval of Request for Minor Modification of Surface Waste Management Permit NM2-019 and NMOCD approved Closure/Post Closure Plan dated July 11, 2014, dated October 26, 2017. Approval of the July 26, 2019 Minor Modification was not approved and is being updated for resubmittal.

As with the treatment zone samples, prior to August 2014 a various number of discrete vadose zone samples were collected from each cell, based on cell size and a grid system. Those samples were not composited, but rather analyzed and reported individually as seen in **Table 3**. These analyses are identified by the letter “G” followed by the number of the grid they were collected from (e.g. G3). From August 2014 and forward, only one discrete sample was collected at random from the vadose zone of each cell and then analyzed as described above. The samples are identified as “VS” for vadose sample as seen in **Table 3**.

Analytical results from collected samples for the treatment zone are to be compared to the permitted NMOCD landfarm closure criteria of 0.2 mg/kg benzene, 50 mg/kg total BTEX, 500 mg/kg for TPH GRO and DRO, 2500 mg/kg total TPH, and 1000 mg/kg chloride. For the vadose zone samples results are to be compared to representative background concentrations or the practical quantitation limit (PQL). The original background sample was collected March 30, 2001 and submitted and accepted as part of the initial approval of the Landfarm Permit. However, due to a change in the regulations, background concentrations for iron, copper, and zinc were not

established. In follow up, secondary background samples were collected in 2016. Following the collection of the 2016 background samples, ETC worked to establish background concentrations for the Landfarm based on correspondence provided to the NMOCD on April 2, 2018. NMOCD returned comments and questions concerning the determination of background concentrations on June 27, 2018, which GHD and ETC responded to on January 15, 2019. As of this date, background concentrations have not been approved for the site by the NMOCD due to the need for further corrections to the background calculations.

Prior to August of 2019 soil samples were collected via hand auger borings. As of August 21, 2019 direct push technology (DPT) has been utilized to collect discrete vadose zone samples from approximately five feet below ground surface, or approximately three feet into native soil below treatment soils. The change in sampling technique to DPT rather than that of a hand auger was implemented to help eliminate the potential of soil mixing of treatment and vadose zones during sample collection; however, it is possible for treatment zone soil to be pushed into the vadose sample zone by both hand auger and DPT methods.

2.2 Treatment Zone Monitoring

Treatment zone monitoring of Landfarm cells was performed March 26, August 27, and November 17, 2020.

During each monitoring event soil samples were collected and analyzed as described previously. Prior to use and between each sample, sampling equipment was cleaned with Alconox and distilled water and rinsed with distilled water.

The analytical results of the treatment zone samples collected during 2020 meet the NMOCD Landfarm Closure Criteria of having concentrations equal to or less than 0.2 mg/kg benzene, 50 mg/kg total BTEX, 500 mg/kg for TPH GRO and DRO, 2,500 mg/kg for full range TPH (C6 through C35), and 1,000 mg/kg for chloride with the exception of the samples listed below.

- **Treatment zone Cell 3** – Collected November 17, 2020 – Contained TPH GRO and DRO at a concentration of 770 mg/kg and a concentration of full range TPH at 3170 mg/kg.

A summary of historical treatment zone soil analytical results is provided as **Table 1**. Sample collection locations for the March, August, and November 2020 monitoring events can be seen on **Figure 3**, **Figure 5**, and **Figure 6**, respectively. Corresponding laboratory analytical reports for treatment zone sampling are included in **Appendix A**.

Additionally, samples collected during the March and November 2020 monitoring event included analysis of NMWQCC metals by EPA SW 846 method 6010B, mercury by EPA Method 6020A or and NMOCD approved method, and chloride by EPA Method 300.1 (**Table 2**).

A formal request to allow the use of 7471 for the analysis of mercury was submitted via a Request for Minor Modification of Surface Waste Management Permit NM2-019 and NMOCD approved Closure/Post Closure Plan submitted July 26, 2019 but was not approved by the NMOCD. The minor modification is being updated for resubmittal.

2.3 Vadose Zone Monitoring

Vadose zone monitoring of Landfarm cells was performed March 26, May 20, August 27, and November 17, 2020.

Vadose zone soil samples were collected and analyzed for BTEX and TPH during each monitoring event as previously described. Soil samples were also collected and analyzed for chloride semiannually and for NMWQCC metals, and sulfate once annually. Discrete vadose zone samples were collected via DPT in a new acetate liner at each sample location with the exception of the November 2020 event where the subcontractor re-used the liners causing detections in several of the collected samples.

Vadose zone samples collected during the 2020 monitoring events met the regulatory requirement of being below the PQL for BTEX constituents, TPH by 8015, and Chloride (**Table 3**) except for the following samples as provided below:

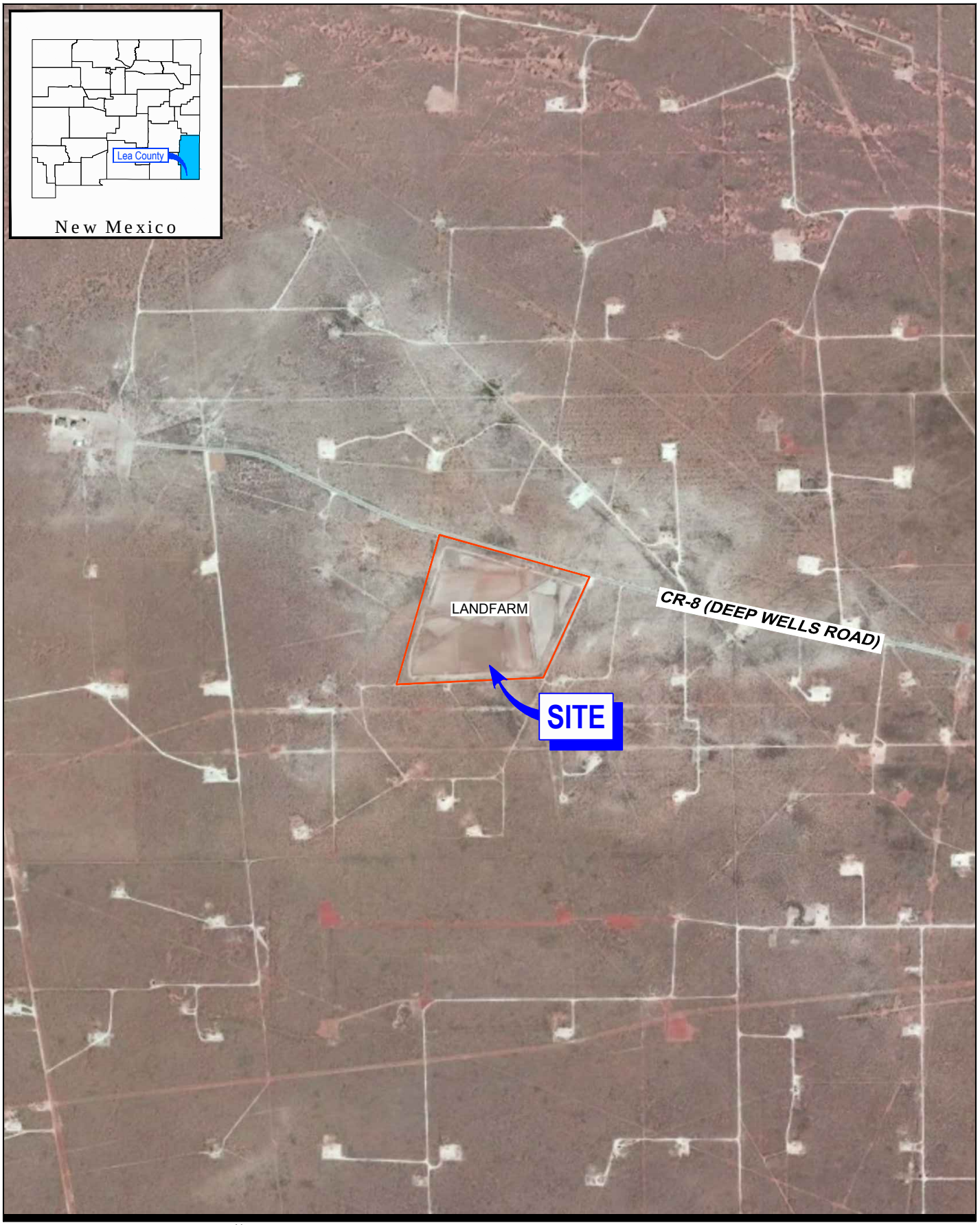
- **Vadose Zone Cell 1** – Collected November 17, 2020 – Contained TPH DRO, ORO and total TPH at concentrations of 42 mg/kg, 270 mg/kg, and 312 mg/kg, respectively.

- **Vadose Zone Cell 2** – Collected November 17, 2020 – Contained TPH DRO and total TPH at concentrations of 11 mg/kg.
- **Vadose Zone Cell 3** – Collected November 17, 2020 – Contained TPH DRO and total TPH at concentrations of 3.3 mg/kg.
- **Vadose Zone Cell 4** – Collected August 27, 2020 – Contained TPH DRO and total TPH at concentrations of 11 mg/kg.
- **Vadose Zone Cell 4** – Collected November 17, 2020 – Contained TPH DRO and total TPH at concentrations of 3.0 mg/kg.
- **Vadose Zone Cell 5** – Collected November 17, 2020 – Contained TPH DRO and total TPH at concentrations of 3.2 mg/kg.
- **Vadose Zone Cell 7** – Collected November 17, 2020 – Contained benzene, toluene, total xylenes, and total BTEX concentrations of 0.013 mg/kg, 0.010 mg/kg, 0.015 mg/kg, and 0.038mg/kg, respectively.
- **Vadose Zone Cell 8** – Collected November 17, 2020 – Contained TPH DRO and total TPH at concentrations of 4.2 mg/kg.
- **Vadose Zone Cell 9** – Collected November 17, 2020 – Contained TPH ORO and total TPH at concentrations of 120 mg/kg.
- **Vadose Zone Cell 10** – Collected November 17, 2020 – Contained TPH DRO, TPH ORO, and total TPH at concentrations of 26 mg/kg, 140 mg/kg, and 166 mg/kg, respectively.
- **Vadose Zone Cell 11** – Collected November 17, 2020 – Contained benzene, toluene, total xylenes, total BTEX, TPH DRO, and total TPH at concentrations of 0.012 mg/kg, 0.0095 mg/kg, 0.014 mg/kg, 0.0355 mg/kg , 3.5 mg/kg, and 3.5 mg/kg, respectively
- **Vadose Zone Cell 13** – Collected March 26, 2020 – Contained chloride at a concentration of 83 mg/kg.
- **Vadose Zone Cell 13** – Collected August 27, 2020 – Contained chloride at a concentration of 30 mg/kg.
- **Vadose Zone Cell 14** – Collected November 17, 2020 – Contained TPH DRO, TPH ORO, and total TPH at concentrations of 9.4 mg/kg, 56 mg/kg, and 66.4 mg/kg, respectively.
- **Vadose Zone Cell 15** – Collected November 17, 2020 – Contained TPH DRO, TPH ORO, and total TPH at concentrations of 42 mg/kg, 96 mg/kg, and 138 mg/kg, respectively.

A summary of vadose zone sampling analytical results for BTEX, TPH, and chloride is presented as **Table 3**. NMWQCC metals detections can be referenced on **Table 4**; however, metals background concentrations have not been established for the Landfarm. Vadose zone sample locations for the March, May, August, and November 2020 monitoring events can be seen on **Figure 3, 4, 5,** and **6**, respectively. Corresponding laboratory analytical reports for vadose zone sampling are included in **Appendix A**.

In accordance with NMAC 19.15.36. 15 E (5), an assessment of the above listed vadose detections of chloride, BTEX and TPH constituents will be completed at the Landfarm.

Figures



0 750 1500 ft

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

N

GHD

ETC TEXAS PIPELINE Ltd., LIMITED PARTNERSHIP
SE/4 NW/4 OF SECTION 36 TOWNSHIP 23 SOUTH, RANGE 38 EAST LEA COUNTY LANDFARM

SITE VICINITY MAP

Project No. **11208903**
Date **November 2021**

FIGURE 1

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\562\11208903\Digital_Design\ACAD 2017\Figures\RPT001\11208903-GHD-0000-RPT-EN-0101_DL-001.dwg
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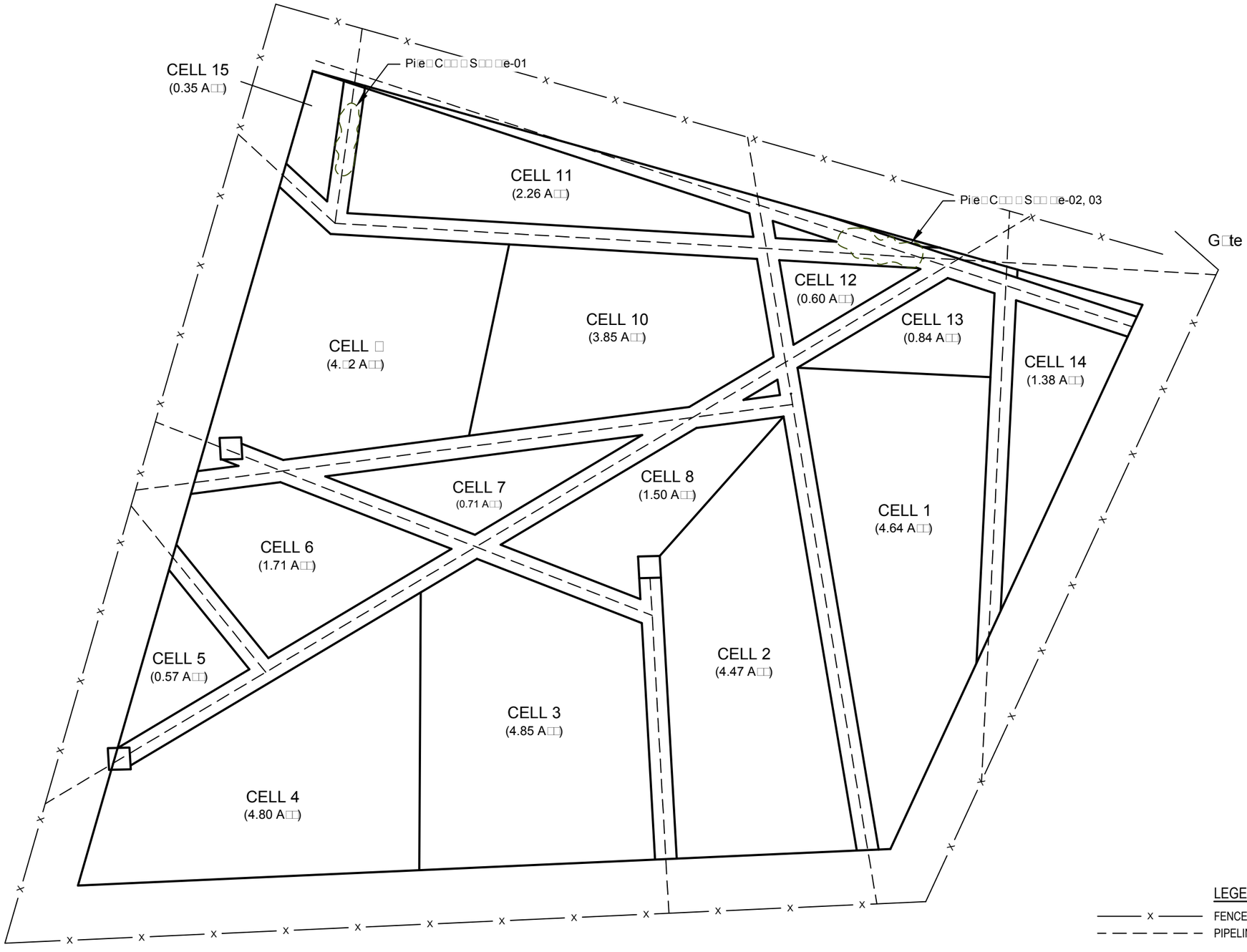
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.261° North, 103.220° West



0 100 200 ft

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GHD

ETC TEXAS PIPELINE Ltd., LIMITED PARTNERSHIP
SE/4 NW/4 OF SECTION 36 TOWNSHIP 23 SOUTH,
RANGE 38 EAST LEA COUNTY LANDFARM

SITE DETAIL MAP

Project No. **11208903**
Date **November 2021**

FIGURE 2

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\562\11208903\Digital_Design\ACAD 2017\Figures\RPT001\11208903-GHD-0000-RPT-EN-0104_DL-001_2020.dwg
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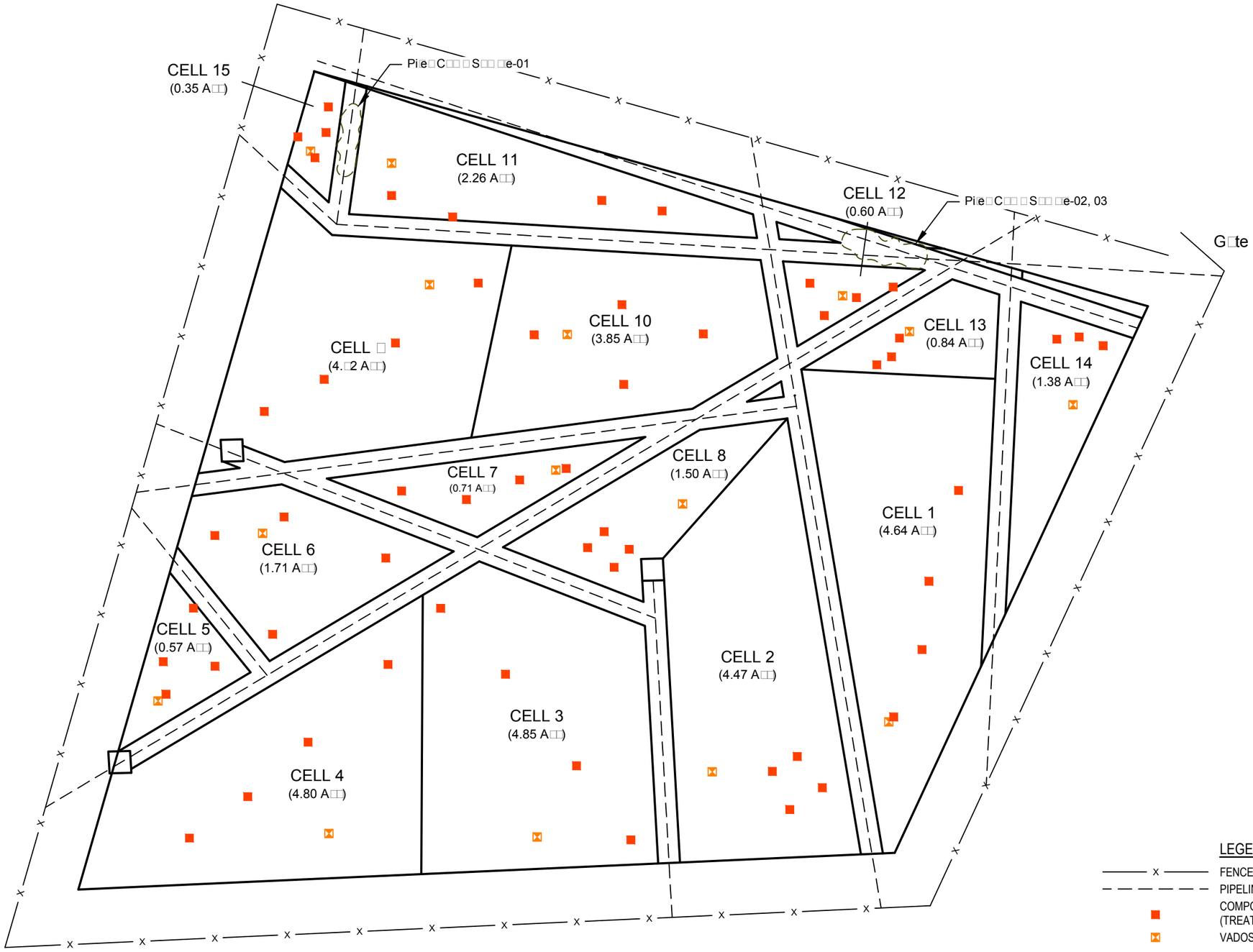


0 100 200 ft

N

GHD

ETC TEXAS PIPELINE Ltd., LIMITED PARTNERSHIP
SE/4 NW/4 OF SECTION 36 TOWNSHIP 23 SOUTH, RANGE 38 EAST LEA COUNTY LANDFARM

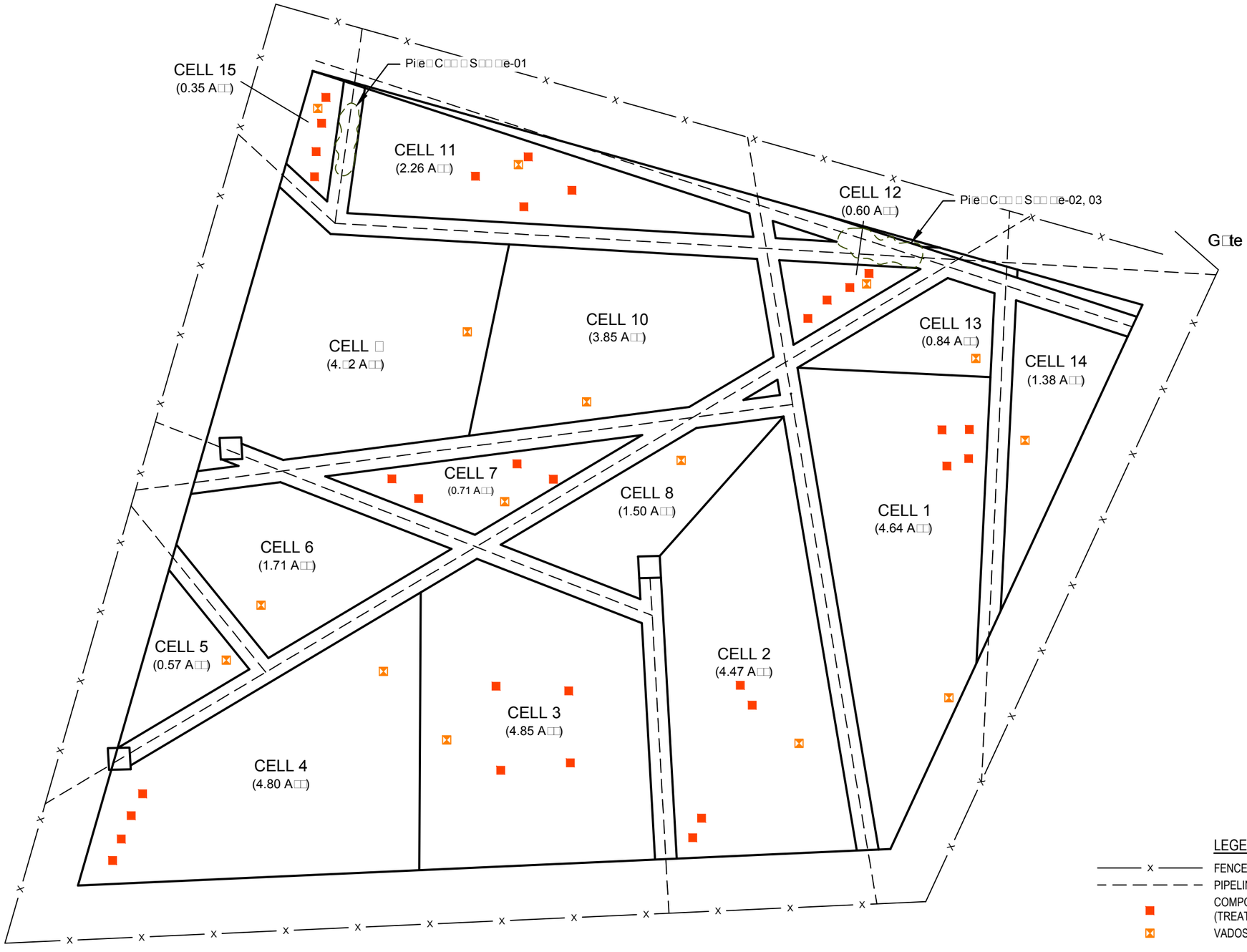
MARCH 2020
SAMPLE LOCATION MAP

Project No. **11208903**
Date **November 2021**

FIGURE 3

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\562\11208903\Digital_Design\ACAD 2017\Figures\RPT001\11208903-GHD-0000-RPT-EN-0104_DL-001_2020.dwg
Plot Date: 23 November 2021 1:13 PM

Lat/Long: 32.261° North, 103.220° West



0 100 200 ft

N

GHD

ETC TEXAS PIPELINE Ltd., LIMITED PARTNERSHIP
SE/4 NW/4 OF SECTION 36 TOWNSHIP 23 SOUTH, RANGE 38 EAST LEA COUNTY LANDFARM

MAY 2020
SAMPLE LOCATION MAP

Project No. **11208903**
Date **November 2021**

FIGURE 4

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\562\11208903\Digital_Design\ACAD 2017\Figures\RPT001\11208903-GHD-0000-RPT-EN-0104_DL-001_2020.dwg
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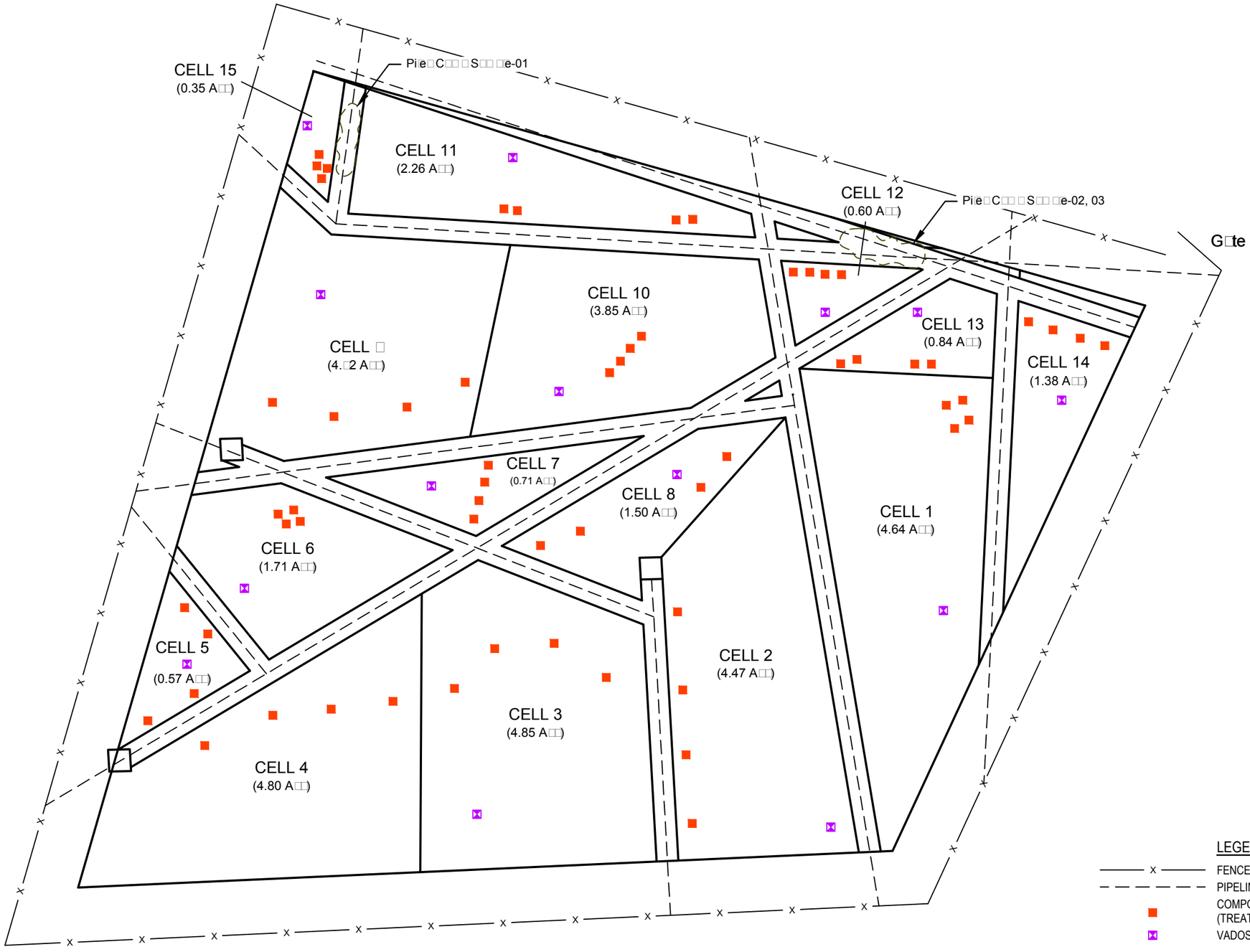

LEGEND

- FENCE
- PIPELINE
- COMPOSITE SAMPLE LOCATION (TREATMENT ZONE)
- VADOSE SAMPLE LOCATION

0 100 200 ft

N

GHD

ETC TEXAS PIPELINE Ltd., LIMITED PARTNERSHIP
SE/4 NW/4 OF SECTION 36 TOWNSHIP 23 SOUTH, RANGE 38 EAST LEA COUNTY LANDFARM

AUGUST 2020
SAMPLE LOCATION MAP

Project No. **11208903**
Date **November 2021**

FIGURE 5

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\562\11208903\Digital_Design\ACAD 2017\Figures\RPT001\11208903-GHD-0000-RPT-EN-0104_DL-001_2020.dwg
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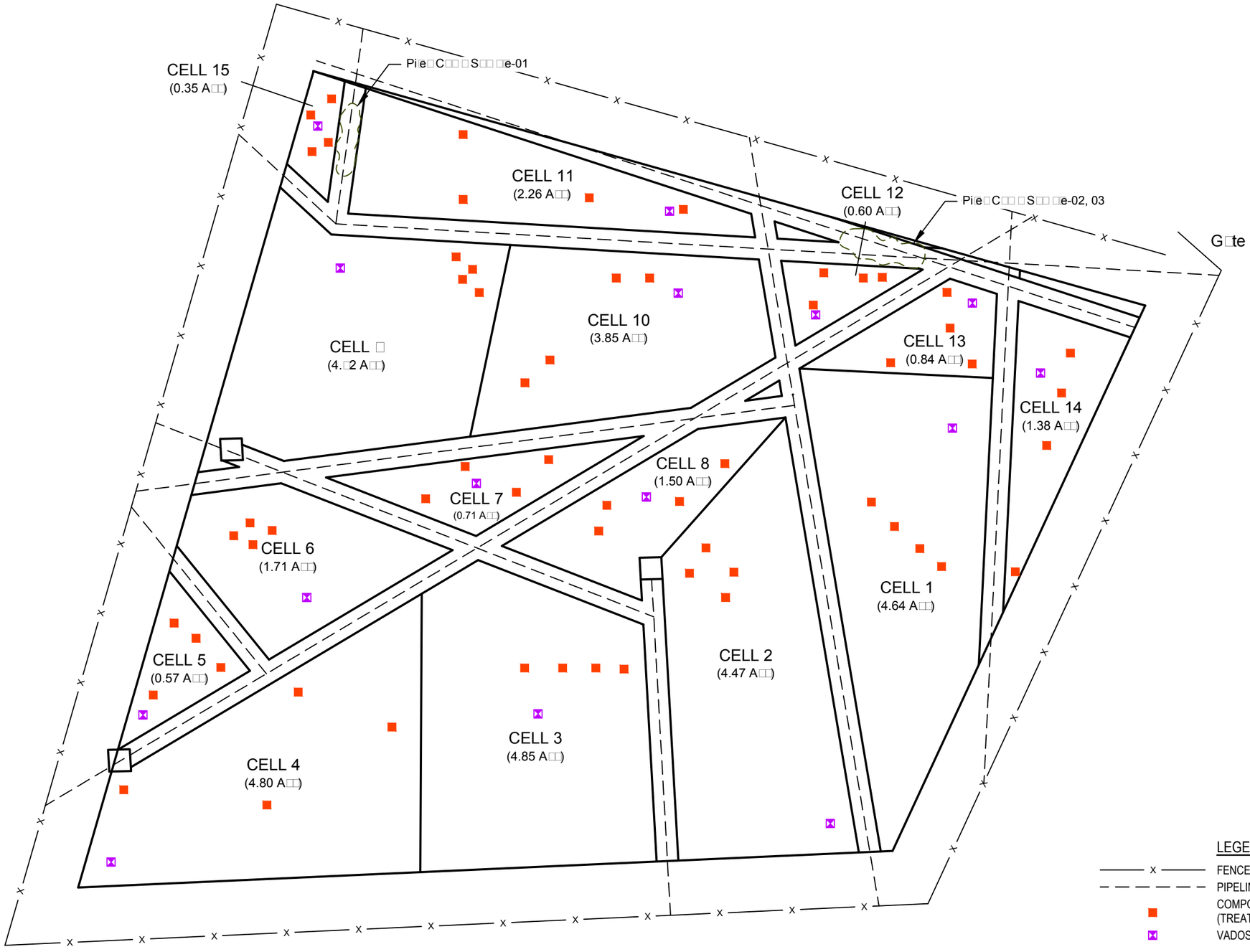
Lat/Long: 32.261° North, 103.220° West



ETC TEXAS PIPELINE Ltd., LIMITED PARTNERSHIP
SE/4 NW/4 OF SECTION 36 TOWNSHIP 23 SOUTH, RANGE 38 EAST LEA COUNTY LANDFARM

NOVEMBER 2020
SAMPLE LOCATION MAP

Project No. **11208903**
Date **November 2021**

FIGURE 6

Filename: \\ghdnet\ghd\US\Albuquerque\Projects\562\11208903\Digital_Design\ACAD 2017\Figures\RPT001\11208903-GHD-0000-RPT-EN-0104_DL-001_2020.dwg
Plot Date: 23 November 2021 1:13 PM

Lat/Long: 32.261° North, 103.220° West

Tables

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			**0.2**	**50**	**NE**			**500**	**2,500**	**2,500**	**1000**
TZ Cell 1	G1	12/15/09	NA	NA	<16.2	670	81	**670**	751	NA	61.5
		6/14/10	NA	NA	<15.9	727	82.2	**727**	809.2	NA	40.9
		12/1/10	NA	NA	<15.4	724	50.4	**724**	774.4	NA	34
		6/14/11	NA	NA	<15.1	887	118	**887**	1005	NA	67.8
		11/28/11	NA	NA	<19.1	<19.1	<19.1	<38.2	<57.3	NA	45.7
		6/14/12	NA	NA	<15.2	638	78.5	**638**	716.5	NA	20.7
		10/30/12	NA	NA	<15.4	514	63.5	**514**	577.5	NA	21
		5/22/13	NA	NA	<15.3	527	312	**527**	839	NA	47.5
		11/14/13	NA	NA	<15.6	548	50.5	**548**	598.5	NA	50.1
	G2	12/15/09	NA	NA	<15.8	582	74	**582**	656	NA	98
		6/14/10	NA	NA	<15.8	672	89.2	**672**	761.2	NA	83.2
		12/1/10	NA	NA	<15.6	855	85.5	**855**	940.5	NA	59
		6/14/11	NA	NA	<15.1	665	37.3	**665**	702.3	NA	107
		11/28/11	NA	NA	<15.4	560	196	**560**	756	NA	27.7
		6/14/12	NA	NA	<15.2	472	87.8	472	559.8	NA	16.2
		10/30/12	NA	NA	<15.5	438	47.2	438	485.2	NA	18.3
		5/22/13	NA	NA	<15.4	887	230	**887**	1117	NA	89.2
		11/14/13	NA	NA	<15.5	58.4	<15.7	58.4	58.4	NA	18.3
	G3	12/15/09	NA	NA	<16.4	1,060	134	**1,060**	1,194	NA	231
		6/14/10	NA	NA	<78.5	1,310	157	**1,310**	1,467	NA	161
		12/1/10	NA	NA	<15.5	978	34	**978**	1012	NA	187
		6/14/11	NA	NA	<15.2	1,510	157	**1,510**	1,667	NA	184
		11/28/11	NA	NA	<15.5	1,110	359	**1,110**	1,469	NA	306
		6/14/12	NA	NA	<15.2	1,390	88.7	**1,390**	1,479	NA	75.9
		10/30/12	NA	NA	<15.5	1,100	124	**1,100**	1,224	NA	82.4
		5/22/13	NA	NA	<15.3	1340	349	**1340**	1689	NA	119
		11/14/13	NA	NA	17.3	1,830	139	**1,847**	1,986	NA	205
	G4	12/15/09	NA	NA	53.7	1,230	113	**1,284**	1,397	NA	300
		6/14/10	NA	NA	<76.5	1,720	253	**1,720**	1,973	NA	186
		12/1/10	NA	NA	<15.7	826	16.2	**826**	842.2	NA	83.2
		6/14/11	NA	NA	<15.1	1,580	131	**1,580**	1,711	NA	304
		11/28/11	NA	NA	<15.4	1,380	376	**1,380**	1,756	NA	309
		6/14/12	NA	NA	<15.1	419	85	419	504	NA	36.4
		10/30/12	NA	NA	<15.5	1,220	148	**1,220**	1,368	NA	90
		5/22/13	NA	NA	<15.3	1300	533	**1300**	1833	NA	181
		11/14/13	NA	NA	<15.5	1,480	93.2	**1,480**	1,573	NA	187
	G5	12/15/09	NA	NA	<18.3	189	21.5	189	210.5	NA	44.8
		6/14/10	NA	NA	<16.3	240	30.5	240	270.5	NA	136
		12/1/10	NA	NA	<15.3	962	43.3	**962**	1005.3	NA	113
		6/14/11	NA	NA	15.9	1,120	121	**1,136**	1,257	NA	105
		11/28/11	NA	NA	<15.4	1,720	655	**1,720**	2,375	NA	214
		6/14/12	NA	NA	<15.1	678	95.5	**678**	773.5	NA	52.2
		10/30/12	NA	NA	<15.3	961	140	**961**	1101	NA	62.1
		5/22/13	NA	NA	<15.1	1,490	368	**1,490**	1,858	NA	143
		11/14/13	NA	NA	99	1,450	116	**1,549**	1,665	NA	141
	CS	8/5/14	NA	NA	<20.0	<50.0	NA	<70.0	NA	NA	151
		2/26/15	<0.00533	<0.0116	<2.32	<7.41	NA	<9.73	NA	32.6	12.9
		5/27/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
		8/12/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	52.3
		2/16/16	NA	NA	<4.9	82	NA	82	NA	NA	<7.5
		8/31/16	Data inconclusive due to laboratory error								
		11/21/16	NA	NA	<4.9	36	110	36	146	NA	<30
		2/24/17	<0.025	<0.222	<4.9	52	100	52	152	NA	<30
		9/21/17	<0.024	<0.216	<4.8	100	290	100	390	NA	<30
		11/29/17	<0.025	<0.221	<4.9	61	230	61	291	NA	<30
		5/29/18	<0.021	<0.192	<4.3	70	230	70	300	NA	<30
		11/14/18	NA	NA	<5.4	45	130	45	175	NA	<33
		5/30/19	<0.024	<0.22	<4.9	10	66	10	76	NA	<7.8
		11/13/19	NA	NA	<4.7	12	<50	12	12	NA	<60
		3/26/20	<0.024	<0.212	<4.7	22	57	22	79	NA	<60
		8/27/20	NA	NA	<4.9	<9.2	<46	<55.2	<60.1	NA	21
		11/17/20	<0.00090	<0.0489	<1.3	36	200	36	236	NA	<60

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 2	G1	12/15/09	NA	NA	<18.8	65.2	<18.8	65.2	65.2	NA	7.83
		6/14/10	NA	NA	<15.5	1,220	189	**1,220**	1,409	NA	24
		12/1/10	NA	NA	<15.6	733	35.6	**733**	768.6	NA	11.2
		6/14/11	NA	NA	<15.1	722	45.7	**722**	767.7	NA	16.5
		11/28/11	NA	NA	<15.5	1,100	421	**1,100**	1,521	NA	17.2
		6/14/12	NA	NA	<15.3	906	100	**906**	1006	NA	12.5
		10/30/12	NA	NA	<15.3	669	63.5	**669**	732.5	NA	16.3
		5/22/13	NA	NA	<15.5	586	161	**586**	747	NA	42.1
		11/14/13	NA	NA	<15.4	602	50.1	**602**	652.1	NA	46.7
	G2	12/15/09	NA	NA	<16.0	307	50.4	307	357.4	NA	161
		6/14/10	NA	NA	<15.6	584	92.8	**584**	676.8	NA	126
		12/1/10	NA	NA	<15.5	387	25.3	387	412.3	NA	54.3
		6/14/11	NA	NA	<15.1	644	27.7	**644**	671.7	NA	55.5
		11/28/11	NA	NA	<15.3	661	280	**661**	941	NA	150
		6/14/12	NA	NA	<15.3	556	89.2	**556**	645.2	NA	28.8
		10/30/12	NA	NA	<15.4	467	52.7	467	519.7	NA	50.6
		5/22/13	NA	NA	<15.2	429	147	429	576	NA	115
		11/14/13	NA	NA	<15.5	58.8	<15.5	58.8	58.8	NA	73.4
	G3	12/15/09	NA	NA	<18.9	140	19.6	140	159.6	NA	144
		6/14/10	NA	NA	<16.3	154	24.7	154	178.7	NA	135
		12/1/10	NA	NA	<15.4	481	42.1	481	523.1	NA	70.5
		6/14/11	NA	NA	18.1	828	100	**846.1**	946.1	NA	151
		11/28/11	NA	NA	<15.4	672	304	**672**	976	NA	89.9
		6/14/12	NA	NA	<15.2	649	98.4	**649**	747.4	NA	21.2
		10/30/12	NA	NA	<15.2	523	78	**523**	601	NA	35.9
		5/22/13	NA	NA	<15.1	467	224	467	691	NA	109
		11/14/13	NA	NA	<15.5	524	65.6	**524**	589.6	NA	84.6
	G4	12/15/09	NA	NA	<19.1	136	21.8	136	157.8	NA	45.6
		6/4/10	NA	NA	<15.6	372	98.7	372	470.7	NA	152
		12/1/10	NA	NA	<15.5	319	28	319	347	NA	55.2
		6/14/11	NA	NA	<14.8	579	49.7	**579**	628.7	NA	51.8
		11/28/11	NA	NA	<15.4	635	283	**635**	918	NA	200
		6/14/12	NA	NA	<15.2	423	100	423	523	NA	21.2
		10/30/12	NA	NA	<15.3	430	79	430	509	NA	88.3
		5/22/13	NA	NA	<15.2	455	222	455	677	NA	136
		11/14/13	NA	NA	<15.3	377	53.4	377	430.4	NA	60.8
	CS	8/5/14	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	66.3
		2/26/15	<0.00533	<0.0116	<2.32	7.42	NA	7.42	NA	299	11
		5/27/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
		8/12/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	44.7
		2/16/16	NA	NA	<4.7	47	NA	47	NA	NA	3.7
		8/31/16	Data inconclusive due to laboratory error								
		11/21/16	NA	NA	<4.8	17	52	17	69	NA	<30
		2/24/17	<0.025	<0.224	<5.0	34	150	34	184	NA	<30
		9/21/17	<0.024	<0.212	<4.7	39	200	39	239	NA	<30
		11/29/17	<0.024	<0.212	<4.7	41	190	41	231	NA	<30
		5/29/18	<0.017	<0.217	<3.3	<9.9	<49	<13.2	<62.2	NA	<30
		11/14/18	NA	NA	<5.2	21	82	21	103	NA	<33
		5/30/19	<0.026	<0.228	<5.1	45	160	45	205	NA	<16
		11/13/19	NA	NA	<4.9	12	75	12	87	NA	<61
		3/26/20	<0.025	<0.224	<5.0	23	76	23	99	NA	<60
		8/27/20	NA	NA	<4.9	45	200	45	245	NA	12
		11/17/20	<0.0089	<0.0487	<1.3	<2.9	120	<3.2	120	Na	<59

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			**0.2**	**50**	**NE**			**500**	**2,500**	**2,500**	**1000**
TZ Cell 3	G1	12/15/09	NA	NA	<307	3,860	538	**3,860**	**4,398**	NA	16.2
		6/14/10	NA	NA	<154	3,540	373	**3,540**	**3,913**	NA	21.5
		12/1/10	NA	NA	<15.3	3,070	58.9	**3,070**	**3,129**	NA	9.53
		6/14/11	NA	NA	<15.1	3,250	317	**3,250**	**3,567**	NA	14.3
		11/28/11	NA	NA	<15.3	3760	870	**3760**	**4630**	NA	13.2
		6/14/12	NA	NA	<77.3	4,050	468	**4,050**	**4,518**	NA	12.3
		10/30/12	NA	NA	<15.3	3,590	319	**3,590**	**3,909**	NA	3.87
		5/22/13	NA	NA	20.6	3,560	749	**3,581**	**4,330**	NA	28.3
		11/14/13	NA	NA	21.3	4,230	199	**4,251**	**4,450**	NA	3.87
	G2	12/15/09	NA	NA	<16.8	630	67.5	**630**	**697.5**	NA	26.3
		6/14/10	NA	NA	<154	3,420	364	**3,420**	**3,784**	NA	22.7
		12/1/10	NA	NA	<15.2	4,470	287	**4,470**	**4,757**	NA	9.39
		6/14/11	NA	NA	<15.2	3,720	<15.2	**3,720**	**3720**	NA	25
		11/28/11	NA	NA	<15.4	4,790	913	**4,790**	**5,703**	NA	45.2
		6/14/12	NA	NA	<75.8	5,410	398	**5,410**	**5,808**	NA	12.5
		10/30/12	NA	NA	<15.4	3,900	311	**3,900**	**4,211**	NA	16.8
		5/22/13	NA	NA	<15.2	2,890	1,140	**2,890**	**4,030**	NA	27.3
		11/14/13	NA	NA	19.9	4,280	191	**4,300**	**4,491**	NA	16.8
	G3	12/15/09	NA	NA	<80.9	2,930	365	**2,930**	**3,295**	NA	26.6
		6/14/10	NA	NA	<159	4,830	515	**4,830**	**5,345**	NA	26.3
		12/1/10	NA	NA	<15.1	3,490	112	**3,490**	**3,602**	NA	10.6
		6/14/11	NA	NA	<15.2	3,290	<15.2	**3,290**	**3290**	NA	10.9
		11/28/11	NA	NA	<15.2	4,330	1,010	**4,330**	**5,340**	NA	16.5
		6/14/12	NA	NA	<75.5	3,720	411	**3,720**	**4,131**	NA	9.49
		10/30/12	NA	NA	<15.2	3,380	276	**3,380**	**3,656**	NA	6.02
		5/22/13	NA	NA	<15.1	3,840	535	**3,840**	**4,375**	NA	13.8
		11/14/13	NA	NA	20.8	4,220	213	**4,241**	**4,454**	NA	6.02
	G4	12/15/09	NA	NA	<81.9	2,120	247	**2,120**	**2,367**	NA	15.8
		6/14/10	NA	NA	<169	4,440	488	**4,440**	**4,928**	NA	15.6
		12/01/10	NA	NA	<15.2	4,340	220	**4,340**	**4,560**	NA	<8.55
		6/14/11	NA	NA	22	3,750	<15.1	**3,772**	**3750**	NA	9.3
		11/28/11	NA	NA	<15.2	4,070	893	**4,070**	**4,963**	NA	50.7
		6/14/12	NA	NA	<75.4	4,800	448	**4,800**	**5,248**	NA	10.8
		10/30/12	NA	NA	<15.4	2,810	226	**2,810**	**3,036**	NA	6.05
		5/22/13	NA	NA	<75.2	5150	900	**5150**	**6050**	NA	13.7
		11/14/13	NA	NA	22.5	5030	226	**5052.5**	**5278.5**	NA	31.1
	G5	12/15/09	NA	NA	<16.8	489	47.4	**489**	536.4	NA	17.8
		6/14/10	NA	NA	<153	4,540	506	**4,540**	**5,046**	NA	15.1
		12/1/10	NA	NA	<15.4	3,830	54.9	**3,830**	**3,885**	NA	10.8
		6/14/11	NA	NA	19.5	3,100	<15.2	**3,120**	**3119.5**	NA	23.2
		11/28/11	NA	NA	<15.2	4,690	1,020	**4,690**	**5,710**	NA	21.6
		6/14/12	NA	NA	<75.8	3,780	414	**3,780**	**4,194**	NA	11.8
		10/30/12	NA	NA	<15.3	3,030	246	**3,030**	**3,276**	NA	6.11
		5/22/13	NA	NA	<15.2	3,580	823	**3,580**	**4,403**	NA	15.9
		11/14/13	NA	NA	20.4	4,410	182	**4,430**	**4,612**	NA	31.6
	CS	8/5/14	NA	NA	<20.0	163	NA	163	NA	NA	25.7
		2/26/15	<0.00533	<0.0116	<2.32	175	NA	175	NA	366	20.6
		5/27/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
		8/12/15	<0.100	<0.400	<20.0	1,080	NA	**1,080**	NA	52.2	32.7
		2/16/16	NA	NA	<4.8	630	NA	**630**	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/21/16	NA	NA	<4.7	270	630	270	900	NA	<30
		2/24/17	<0.023	<0.210	<4.7	1100	1800	**1100**	**2900**	NA	<30
		9/21/17	<0.023	<0.212	<4.7	850	1600	**850**	**2450**	NA	<30
		1/4/18	<0.024	0.168	<4.7	780	1700	**780**	**2480**	NA	<30
		5/29/18	NA	NA	<4.8	1300	2500	**1300**	**3800**	NA	NS
		11/14/18	NA	NA	<5.3	570	900	**570**	1470	NA	<33
		5/30/19	<0.025	<0.224	<5.0	470	1100	470	1570	NA	<15
		11/13/19	NA	NA	<4.6	270	840	270	1110	NA	<60
		3/26/20	<0.024	<0.212	<4.7	290	690	290	980	NA	<60
		8/27/20	NA	NA	<4.9	290	750	290	1040	NA	<7.5
		11/17/20	<0.0095	<0.0527	<1.4	770	2400	**770**	**3170**	NA	<60

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			**0.2**	**50**	**NE**			**500**	**2,500**	**2,500**	**1000**
TZ Cell 4	G1	12/15/09	NA	NA	<18.14	428	32.2	428	460	NA	18
		6/14/10	NA	NA	<155	3,830	304	**3830**	**4134**	NA	37.7
		12/01/10	NA	NA	<15.3	3,120	52.6	**3120**	**3173**	NA	32.6
		6/14/11	NA	NA	<15.2	2,790	<15.2	**2790**	**2790**	NA	33
		11/28/11	NA	NA	<15.2	3,270	779	**3270**	**4049**	NA	33.6
		6/14/12	NA	NA	<75.8	4,100	410	**4100**	**4510**	NA	19.8
		10/30/12	NA	NA	<15.5	2,650	265	**2650**	**2915**	NA	18
		5/22/13	NA	NA	<76.1	5,230	855	**5230**	**6085**	NA	45
		11/14/13	NA	NA	17	3,560	145	**3577**	**3722**	NA	57.1
	G2	12/15/09	NA	NA	<80.1	3,320	339	**3320**	**3659**	NA	39.7
		6/14/10	NA	NA	<154	1,910	<154	**1910**	1910	NA	36.1
		12/01/10	NA	NA	<15.4	3,240	36.6	**3240**	**3277**	NA	33.6
		6/14/11	NA	NA	17.6	3,560	16.6	**3578**	**3594**	NA	39
		11/28/11	NA	NA	<15.2	4,270	1,050	**4270**	**5320**	NA	22.5
		6/14/12	NA	NA	<76.1	3,860	422	**3860**	**4282**	NA	25.2
		10/30/12	NA	NA	<15.6	2,340	228	**2340**	**2568**	NA	27.2
		5/22/13	NA	NA	<15.3	4,370	478	**4370**	**4848**	NA	39.6
		11/14/13	NA	NA	17.5	3,290	87.3	**3308**	**3395**	NA	63.9
	G3	12/15/09	NA	NA	<19.6	436	31.4	436	467	NA	9.49
		6/14/10	NA	NA	<160	3,460	276	**3460**	**3736**	NA	41
		12/01/10	NA	NA	<15.3	3,180	64.5	**3180**	**3245**	NA	43.1
		6/14/11	NA	NA	20.9	3,710	19.2	**3731**	**3750**	NA	52.3
		11/28/11	NA	NA	<15.2	3,470	764	**3470**	**4234**	NA	76.3
		6/14/12	NA	NA	<15.1	2,930	75.3	**2930**	**3005**	NA	24
		10/30/12	NA	NA	<15.5	2,800	258	**2800**	**3058**	NA	18
		5/22/13	NA	NA	<15.3	3,690	428	**3690**	**4118**	NA	68
		11/14/13	NA	NA	<15.5	2,500	67.7	**2500**	**2568**	NA	73.9
	G4	12/15/09	NA	NA	<18.3	302	22.4	302	324.4	NA	16.1
		6/14/10	NA	NA	<154	2,170	167	**2170**	2337	NA	126
		12/01/10	NA	NA	<15.4	2,330	47.9	**2330**	2378	NA	80.6
		6/14/11	NA	NA	<15.2	2,350	<15.2	**2350**	2350	NA	57.7
		11/28/11	NA	NA	<152	6,420	1,750	**6420**	**8170**	NA	12.2
		6/14/12	NA	NA	<15.2	2,600	82.5	**2600**	**2683**	NA	52.8
		10/30/12	NA	NA	<15.4	1,910	183	**1910**	2093	NA	35.7
		5/22/13	NA	NA	<15.1	2,780	436	**2780**	**3216**	NA	82
		11/14/13	NA	NA	16.1	2,280	89.9	**2296**	2386	NA	92.4
	G5	12/15/09	NA	NA	<16.8	489	47.4	489	536	NA	17.8
		6/14/10	NA	NA	<153	3,170	276	**3170**	**3446**	NA	75.9
		12/01/10	NA	NA	<15.3	2,470	41.7	**2470**	**2512**	NA	74.6
		6/14/11	NA	NA	<15.1	2,210	<15.1	**2210**	2210	NA	79.7
		11/28/11	NA	NA	<15.3	3,540	868	**3540**	**4408**	NA	81.1
		6/14/12	NA	NA	<15.2	2,580	82.2	**2580**	**2662**	NA	25.7
		10/30/12	NA	NA	<15.5	1,920	170	**1920**	2090	NA	33.6
		5/22/13	NA	NA	<15.2	3,120	517	**3120**	**3637**	NA	62.7
		11/14/13	NA	NA	18.3	3,370	134	**3388**	**3522**	NA	71.5
	CS	8/5/14	NA	NA	<20.0	140	NA	140	NA	NA	38.9
		2/26/15	<0.00533	<0.0116	<2.32	902	NA	**902**	NA	**5,640**	10.4
		5/27/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
		8/12/15	<0.100	<0.400	<20.0	226	NA	226	NA	44.6	32.2
		2/16/16	NA	NA	<4.7	420	NA	420	NA	NA	2.9
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	300	510	300	810	NA	<30
		2/24/17	<0.024	<0.217	<4.8	140	250	140	390	NA	<30
		9/21/17	<0.024	<0.219	<4.9	180	390	180	570	NA	<30
		11/29/17	<0.024	<0.217	<4.8	390	620	390	1110	NA	<30
		5/29/18	<0.018	<0.162	<3.6	850	1200	**850**	2050	NA	<30
		11/14/18	NA	NA	<5.5	210	260	210	470	NA	<34
		5/30/19	<0.025	0.221	<4.9	630	1100	**630**	1730	NA	<3.1
		11/13/19	NA	NA	<4.7	110	330	110	440	NA	<60
		3/26/20	<0.025	<0.225	<5.0	52	120	52	172	NA	<60
		8/27/20	NA	NA	<4.9	43	150	43	193	NA	<7.5
		11/17/20	<0.0090	<0.0489	<1.3	220	490	220	710	NA	<59

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 5	G1	12/15/09	NA	NA	<15.3	82.2	51.9	82.2	134.1	NA	<4.28
		6/14/10	NA	NA	<15.4	73.1	29.4	73.1	102.5	NA	12.5
		12/1/10	NA	NA	<15.1	143	51.6	143	194.6	NA	<4.26
		6/14/11	NA	NA	<15.1	71.1	18.2	71.1	89.3	NA	<4.22
		11/28/11	NA	NA	<15.1	151	196	151	347	NA	<5.04
		6/14/12	NA	NA	<15.2	46.2	53.8	46.2	100	NA	6.29
		10/30/12	NA	NA	<15.1	60.6	31.1	60.6	91.7	NA	<1.01
		5/22/13	NA	NA	<15.2	40.4	68.7	40.4	109.1	NA	4.09
		11/14/13	NA	NA	<15.3	89.1	62.4	89.1	151.5	NA	6.44
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	188	<25.0
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	9
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	341
		2/16/16	NA	NA	<4.7	<10	NA	<14.7	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	<9.9	61	<14.6	61	NA	<30
		2/24/17	<0.025	<0.224	<5.0	<10	<51	<15	<66	NA	<30
		9/21/17	<0.023	<0.207	<4.6	<9.4	110	<14	110	NA	<30
		11/29/17	<0.024	<0.216	<4.8	<9.8	82	<14.6	82	NA	<30
		5/29/18	<0.016	<0.143	<3.2	<10	80	<13.2	80	NA	<30
		11/14/18	NA	NA	<5.1	<10	<50	<15.1	<65.1	NA	<32
		5/30/19	<0.024	<0.216	<4.8	<10	<51	<14.8	<55.8	NA	<3.1
		11/13/19	NA	NA	<4.8	<9.9	90	<14.7	90	NA	<60
		3/26/20	<0.024	<.217	<4.8	<8.3	<41	<13.1	<54.1	NA	<60
		8/27/20	NA	NA	<5.0	<9.4	<47	<14.4	<61.4	NA	<7.5
		11/17/20	<0.0092	<0.0512	<1.3	3.9	61	3.9	64.9	NA	<60
TZ Cell 6	G1	12/15/09	NA	NA	<18.4	98.7	18.7	98.7	117.4	NA	<20.6
		6/14/10	NA	NA	<15.4	286	77.2	286	363.2	NA	48.9
		12/1/10	NA	NA	<15.4	207	24.3	207	231.3	NA	<17.2
		6/14/11	NA	NA	<15.2	398	<15.2	398	398	NA	51.7
		11/28/11	NA	NA	<15.3	333	182	333	515	NA	20.4
		6/14/12	NA	NA	<15.4	206	82.3	206	288.3	NA	10.9
		10/30/12	NA	NA	<15.4	176	23.6	176	199.6	NA	7.22
		5/22/13	NA	NA	<15.1	216	115	216	331	NA	43
		11/14/13	NA	NA	<15.3	37.7	<15.3	37.7	37.7	NA	37
	G2	12/15/09	NA	NA	<18.5	177	30	177	207	NA	36.5
		6/14/10	NA	NA	<15.5	347	68	347	415	NA	98
		12/1/10	NA	NA	<15.3	276	21.1	276	297.1	NA	81.4
		6/14/11	NA	NA	<15.2	462	<15.2	462	462	NA	72.8
		11/28/11	NA	NA	<15.3	297	147	297	444	NA	86.2
		6/14/12	NA	NA	<15.2	330	89.8	330	419.8	NA	31.5
		10/30/12	NA	NA	<15.3	246	27	246	273	NA	27.6
		5/22/13	NA	NA	<15.2	216	92.1	216	308.1	NA	57.1
		11/14/13	NA	NA	<15.3	39.1	<15.3	39.1	39.1	NA	94.9
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	146	32
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	15.6
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	<25.0
		2/16/16	NA	NA	<4.7	19	NA	19	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.9	30	170	30	200	NA	<30
		2/24/17	<0.025	<0.222	<4.9	15	120	15	135	NA	<30
		9/21/17	<0.024	<0.219	<4.9	<10	<50	<14.9	<64.9	NA	<30
		11/29/17	<0.023	<0.206	<4.6	<9.2	63	<13.8	63	NA	<30
		5/29/18	<0.018	<0.165	<3.7	13	85	13	98	NA	<30
		11/14/18	NA	NA	<5.4	<10	<50	<15.4	<65.4	NA	<33
		5/30/19	<0.025	<0.224	<5.0	17	120	17	137	NA	<3.1
		11/13/19	NA	NA	<4.7	<10	<50	<14.7	<64.7	NA	<59
		3/26/20	<0.025	<0.225	<5.0	<9.8	<49	<14.8	<63.8	NA	<60
		8/27/20	NA	NA	<4.9	<9.5	<47	<14.4	<61.4	NA	<7.5
		11/17/20	<0.0090	<0.0275	<3.8	<2.8	83	<6.6	83	NA	<60

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 7	G1	12/15/09	NA	NA	<18.5	267	30.9	267	297.9	NA	17.1
		6/14/10	NA	NA	<15.8	525	77.9	**525**	602.9	NA	15.5
		12/1/10	NA	NA	<15.8	166	146.2	166	312.2	NA	5.69
		6/14/11	NA	NA	<15.2	719	27.5	**719**	746.5	NA	28.9
		11/28/11	NA	NA	<15.5	535	202	**535**	737	NA	11.4
		6/14/12	NA	NA	<15.1	429	105	429	534	NA	9.11
		10/30/12	NA	NA	<15.7	204	36.5	204	240.5	NA	5.67
		5/22/13	NA	NA	<15.2	404	148	404	552	NA	11.3
		11/14/13	NA	NA	<15.7	218	26	218	244	NA	10.5
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	249	26.2
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	8.62
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	32.8
		2/16/16	NA	NA	<4.7	17	NA	17	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	25	97	25	122	NA	<30
		2/24/17	<0.023	<0.206	<4.6	11	59	11	70	NA	<30
		9/21/17	<0.024	<0.216	<4.8	14	47	14	61	NA	<30
		11/29/17	<0.025	<0.224	<5.0	18	95	18	113	NA	<30
		5/29/18	<0.017	<0.149	<3.3	15	110	15	125	NA	<30
		11/14/18	NA	NA	<5.2	16	62	16	78	NA	<33
		5/30/19	<0.26	<0.228	<5.1	14	90	14	104	NA	<3.1
		11/13/19	NA	NA	<4.7	<9.9	66	<14.6	66	NA	<60
		3/26/20	<0.024	<0.215	<4.9	<9.5	<47	<14.4	<61.4	NA	<60
		8/27/20	NA	NA	<5.0	21	130	21	151	NA	<7.5
		11/17/20	<0.0090	<0.0264	<3.8	17	77	17	94	NA	<60
TZ Cell 8	G1	12/15/09	NA	NA	<218	3910	405	**3910**	**4315**	NA	2050
		6/14/10	NA	NA	<15.7	650	88.9	**650**	738.9	NA	81.2
		12/1/10	NA	NA	NA	NA	NA	NA	NA	NA	NA
		6/14/11	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/28/11	NA	NA	NA	NA	NA	NA	NA	NA	NA
		6/14/12	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/30/12	NA	NA	NA	NA	NA	NA	NA	NA	NA
		5/22/13	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/14/13	NA	NA	NA	NA	NA	NA	NA	NA	NA
	G2	12/15/09	NA	NA	<18.6	95	<18.6	95	95	NA	<10.4
		6/14/10	NA	NA	<16.3	537	87	**537**	624	NA	146
		12/1/10	NA	NA	<15.5	556	41.1	**556**	597.1	NA	24.3
		6/14/11	NA	NA	<15.2	449	33.4	449	482.4	NA	66.5
		11/28/11	NA	NA	<15.3	208	83.4	208	291.4	NA	140
		6/14/12	NA	NA	<15.2	382	97.2	382	479.2	NA	48.2
		10/30/12	NA	NA	<15.2	161	27	161	188	NA	25.3
		5/22/13	NA	NA	<15.2	282	119	282	401	NA	47.9
		11/14/13	NA	NA	18.6	227	51	245.6	296.6	NA	56.6
	CS	8/5/14	<0.0400	<0.0400	<8.00	<50.0	NA	<58.0	NA	185	43
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	11
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<8.0	<50.0	NA	<58.0	NA	NA	<25.0
		2/16/16	NA	NA	<4.7	11	NA	11	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.8	<9.4	<47	<14.2	<61.2	NA	<30
		2/24/17	<0.024	<0.213	<4.7	<9.6	<48	<14.3	<62.3	NA	<30
		9/21/17	<0.023	<0.210	<4.7	<9.3	<46	<14	<60	NA	<30
		11/29/17	<0.024	<0.213	<4.7	<9.8	<49	<14.5	<63.5	NA	<30
		5/30/18	<0.016	<0.291	<3.3	29	140	29	169	NA	<30
		11/14/18	NA	NA	<5.2	<11	<53	<16.2	<69.2	NA	<33
		5/30/19	<0.025	<0.227	<5.1	21	120	21	141	NA	<3.1
		11/13/19	NA	NA	<4.8	<9.7	<48	<14.5	<62.5	NA	<60
		3/26/20	<0.025	<0.222	<4.9	440	510	440	950	NA	<60
		8/27/20	NA	NA	<4.9	16	79	16	95	NA	13
		11/17/20	<0.0088	<0.0262	<3.7	17	120	17	137	NA	<60

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 9	G1	12/15/09	NA	NA	<17.7	71.9	18	71.9	89.9	NA	156
		6/14/10	NA	NA	<15.5	238	62.3	238	300.3	NA	110
		12/1/10	NA	NA	<15.3	55.3	<15.3	55.3	55.3	NA	84
		6/14/11	NA	NA	<15.1	262	<15.1	262	262	NA	107
		11/28/11	NA	NA	<15.4	391	307	391	698	NA	145
		6/14/12	NA	NA	<15.1	341	97.2	341	438.2	NA	40
		10/30/12	NA	NA	<15.3	194	34.8	194	228.8	NA	40.3
		5/22/13	NA	NA	<15.1	240	122	240	362	NA	69.7
		11/14/13	NA	NA	<15.5	234	55.7	234	289.7	NA	56.7
	G2	12/15/09	NA	NA	<16.2	194	71.7	194	265.7	NA	152
		6/14/10	NA	NA	<15.4	1250	135	**1250**	1385	NA	407
		12/1/10	NA	NA	<15.3	689	54.1	**689**	743.1	NA	263
		6/14/11	NA	NA	<15.1	165	<15.1	165	165	NA	163
		11/28/11	NA	NA	<15.3	828	286	**828**	1114	NA	218
		6/14/12	NA	NA	<15.1	348	117	348	465	NA	34.1
		10/30/12	NA	NA	<15.5	142	30.4	142	172.4	NA	37.7
		5/22/13	NA	NA	<15.1	210	114	210	324	NA	69.9
		11/14/13	NA	NA	<15.4	242	66.7	242	308.7	NA	112
	G3	12/15/09	NA	NA	<17.0	86.9	28.8	86.9	115.7	NA	58.6
		6/14/10	NA	NA	<15.5	286	60.7	286	346.7	NA	229
		12/1/10	NA	NA	<15.4	312	41.4	312	353.4	NA	58.8
		6/14/11	NA	NA	<15.0	216	<15.0	216	216	NA	109
		11/28/11	NA	NA	<15.4	279	187	279	466	NA	130
		6/14/12	NA	NA	<15.1	193	105	193	298	NA	22.2
		10/30/12	NA	NA	<15.4	133	35.7	133	168.7	NA	81.3
		5/22/13	NA	NA	<15.2	171	105	171	276	NA	72.7
		11/14/13	NA	NA	<15.3	114	34.7	114	148.7	NA	104
	G4	12/15/09	NA	NA	<16.3	210	58.2	210	268.2	NA	43.5
		6/14/10	NA	NA	<15.4	277	78.6	277	355.6	NA	206
		12/1/10	NA	NA	<15.3	335	40.3	335	375.3	NA	56.3
		6/14/11	NA	NA	<14.9	221	<14.9	221	221	NA	86
		11/28/11	NA	NA	<15.1	531	271	**531**	802	NA	87
		6/14/12	NA	NA	<15.1	441	113	441	554	NA	38.9
		10/30/12	NA	NA	<15.3	184	41.5	184	225.5	NA	22.4
		5/22/13	NA	NA	<15.2	168	89	168	257	NA	61.1
		11/14/13	NA	NA	<15.4	136	51.1	136	187.1	NA	66.6
	G5	12/15/09	NA	NA	<15.4	164	63.5	164	227.5	NA	81.6
		6/14/10	NA	NA	<15.4	164	42	164	206	NA	55.9
		12/1/10	NA	NA	<15.3	199	22.6	199	221.6	NA	33.5
		6/14/11	NA	NA	<15.1	153	<15.1	153	153	NA	75.4
		11/28/11	NA	NA	<15.6	305	200	305	505	NA	77.5
		6/14/12	NA	NA	<15.1	182	72.1	182	254.1	NA	19.2
		10/30/12	NA	NA	<15.2	107	22.9	107	129.9	NA	35.9
		5/22/13	NA	NA	<15.1	123	56.5	123	179.5	NA	33.7
		11/14/13	NA	NA	<15.4	64.9	18	64.9	82.9	NA	99
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	220	68.2
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	10.2
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	89.3
		2/16/16	NA	NA	<4.9	9.6	NA	9.6	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	43	170	43	213	NA	<30
		2/24/17	<0.024	<0.215	<4.8	11	<50	11	11	NA	<30
		9/21/17	<0.025	<0.221	<4.9	13	130	13	143	NA	<30
		11/29/17	<0.023	<0.207	<4.6	<9.3	60	<13.9	60	NA	<30
		5/30/18	<0.016	<0.145	<3.2	<9.8	76	<13	76	NA	<30
		11/14/18	NA	NA	<5.3	12	68	12	80	NA	<33
		5/30/19	<0.025	<0.225	<5.0	<10	63	<15.0	63	NA	<3.0
		11/13/19	NA	NA	<4.8	<9.0	<45	<13.8	<58.8	NA	<60
		3/26/20	<0.24	<0.219	<4.9	<9.9	<50	<14.8	<64.8	NA	<60
		8/27/20	NA	NA	<4.9	<9.4	48	<14.3	48	NA	<7.5
		11/17/20	<0.0089	<0.0263	<3.7	4.3	61	4.3	65.3	NA	<60

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 10	G1	12/15/09	NA	NA	<17.8	276	50.9	276	326.9	NA	9.63
		6/14/10	NA	NA	<15.5	600	135	**600**	735	NA	16.7
		12/1/10	NA	NA	<15.2	643	76.3	**643**	719.3	NA	<4.25
		6/14/11	NA	NA	<15.0	513	43.8	**513**	556.8	NA	16.8
		11/28/11	NA	NA	<15.5	671	246	**671**	917	NA	14.3
		6/14/12	NA	NA	<15.1	423	89.6	423	512.6	NA	11.7
		10/30/12	NA	NA	<15.2	288	66.9	288	354.9	NA	3.69
		5/22/13	NA	NA	<15.1	425	120	425	545	NA	10.4
		11/14/13	NA	NA	<15.8	202	69.6	202	271.6	NA	15.6
	G2	12/15/09	NA	NA	<16.2	217	52.4	217	269.4	NA	11.9
		6/14/10	NA	NA	<15.5	329	80.5	329	409.5	NA	11.3
		12/1/10	NA	NA	<15.3	265	40	265	305	NA	<8.56
		6/14/11	NA	NA	<15.1	234	<15.1	234	234	NA	<8.43
		11/28/11	NA	NA	<15.3	324	154	324	478	NA	24.3
		6/14/12	NA	NA	<15.0	222	82.1	222	304.1	NA	8.87
		10/30/12	NA	NA	<15.1	132	41	132	173	NA	3.3
		5/22/13	NA	NA	<15.0	231	75.9	231	306.9	NA	11.9
		11/14/13	NA	NA	<15.5	123	32.2	123	155.2	NA	18
	G3	12/15/09	NA	NA	<17.0	96.8	24.1	96.8	120.9	NA	9.06
		6/14/10	NA	NA	<15.2	200	58.2	200	258.2	NA	25.7
		12/1/10	NA	NA	<15.2	185	27.3	185	212.3	NA	<8.54
		6/14/11	NA	NA	<15.0	185	<15.0	185	185	NA	26
		11/28/11	NA	NA	<15.2	269	152	269	421	NA	21.8
		6/14/12	NA	NA	<15.1	226	88.5	226	314.5	NA	14.7
		10/30/12	NA	NA	15.1	150	39.6	165.1	204.7	NA	3.91
		5/22/13	NA	NA	<15.1	179	62.5	179	241.5	NA	19.2
		11/14/13	NA	NA	<15.3	167	41.4	167	208.4	NA	24.5
	G4	12/15/09	NA	NA	<18.9	129	19.2	129	148.2	NA	10
		6/14/10	NA	NA	<15.3	576	137	**576**	713	NA	44.8
		12/1/10	NA	NA	<15.3	905	95.3	**905**	1000.3	NA	<8.59
		6/14/11	NA	NA	<15.0	549	70.4	**549**	619.4	NA	90.6
		11/28/11	NA	NA	<15.3	767	246	**767**	1013	NA	138
		6/14/12	NA	NA	<15.1	756	129	**756**	885	NA	11.5
		10/30/12	NA	NA	<15.2	521	110	**521**	631	NA	9.29
		5/22/13	NA	NA	<15.2	678	148	**678**	826	NA	78.3
		11/14/13	NA	NA	<15.4	297	59.3	297	356.3	NA	46.4
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	N/A	<54.0	NA	331	32.8
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	14.7
		5/27/15	<0.0200	<0.0800	<4.00	55.7	NA	55.7	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	<25.0
		2/16/16	NA	NA	<4.8	43	NA	43	NA	NA	<1.5
		8/31/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	69	300	69	369	NA	<30
		2/24/17	<0.024	<0.216	<4.8	<9.7	<48	<14.5	<62.5	NA	<30
		9/21/17	<0.024	<0.212	<4.7	55	400	55	455	NA	<30
		11/29/17	<0.024	<0.219	<4.9	28	100	28	128	NA	<30
		5/30/18	<0.016	<0.148	<3.3	21	100	21	121	NA	<30
		11/14/18	NA	NA	<5.2	<11	<53	<16.2	<69.2	NA	<32
		5/30/19	<0.024	<0.216	<4.8	<10	55	<14.8	55	NA	<3.1
		11/13/19	NA	NA	<5.0	<9.8	<49	<14.8	<63.8	NA	<60
		3/26/20	<0.024	<0.213	<4.7	28	91	28	119	NA	<60
		8/27/20	NA	NA	<5.0	14	68	14	82	NA	<7.5
		11/17/20	<0.0091	<0.0277	<3.9	18	71	18	89	NA	<59

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 11	G1	12/15/09	NA	NA	26.7	589	27.9	**615.7**	643.6	NA	128
		6/14/10	NA	NA	85.9	1,510	123	**1,596**	1,719	NA	469
		12/1/10	NA	NA	<15.3	362	15.3	362	377.3	NA	215
		6/14/11	NA	NA	<15.2	350	<15.2	350	350	NA	305
		11/28/11	NA	NA	<15.5	721	195	**721**	916	NA	651
		6/14/12	NA	NA	<15.1	260	61.6	260	321.6	NA	113
		10/30/12	NA	NA	<15.2	132	15.4	132	147.4	NA	49.9
		5/22/13	NA	NA	<15.1	185	59.3	185	244.3	NA	192
		11/14/13	NA	NA	<15.5	147	33.7	147	180.7	NA	167
	G2	12/15/09	NA	NA	27	488	49.7	**515**	564.7	NA	161
		6/14/10	NA	NA	<15.4	202	19.9	202	221.9	NA	169
		12/1/10	NA	NA	<15.5	181	17.8	181	198.8	NA	44.1
		6/14/11	NA	NA	<15.0	274	<15.0	274	274	NA	112
		11/28/11	NA	NA	<15.1	212	74.4	212	286.4	NA	76.9
		6/14/12	NA	NA	<15.1	118	41.8	118	159.8	NA	22.3
		10/30/12	NA	NA	<15.1	56.1	<15.2	56.1	56.1	NA	<1.01
		5/22/13	NA	NA	<15.1	117	33.1	117	150.1	NA	38.9
		11/14/13	NA	NA	<15.4	95.5	20.6	95.5	116.1	NA	48
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	226	<25.0
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	22.1
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	39
		2/17/16	NA	NA	<4.9	15	NA	15	NA	NA	<1.5
		9/1/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	<9.8	60	<14.5	60	NA	<30
		2/24/17	<0.025	<0.221	<4.9	<9.1	<46	<14	<60	NA	<30
		9/21/17	<0.024	<0.216	<4.8	<9.8	<49	<14.6	<63.6	NA	<30
		11/29/17	<0.023	<0.208	<4.6	<9.9	<49	<14.5	<63.5	NA	<30
		5/30/18	<0.017	<0.149	<3.3	<9.9	<50	<13.2	<63.2	NA	<30
		11/14/18	NA	NA	<5.0	<10	<50	<15	<65	NA	<32
		5/30/19	<0.024	<0.213	<4.7	<10	<51	<14.7	<65.7	NA	<7.7
		11/14/19	NA	NA	<4.6	<9.5	<48	<14.1	<62.1	NA	<60
		3/26/20	<0.024	<0.213	<4.7	<9.6	<48	<14.3	<62.3	NA	<60
		8/27/20	NA	NA	<4.9	<8.6	<43	<13.5	<56.5	NA	<7.5
		11/17/20	<0.0087	<0.026	<3.7	5.1	<50	5.1	5.1	NA	<60
TZ Cell 12	G1	12/15/09	NA	NA	<16.2	302	38.1	302	340.1	NA	<22.6
		6/14/10	NA	NA	<15.6	449	78.1	449	527.1	NA	47.3
		12/1/10	NA	NA	<15.6	374	42.4	374	416.4	NA	<43.5
		6/14/11	NA	NA	<15.1	573	18	**573**	591	NA	29
		11/28/11	NA	NA	<15.3	452	161	452	613	NA	28.1
		6/14/12	NA	NA	<15.2	319	89.4	319	408.4	NA	11.7
		10/30/12	NA	NA	<15.3	209	35.3	209	244.3	NA	<1.02
		5/22/13	NA	NA	<16.4	139	43.6	139	182.6	NA	28.7
		11/14/13	NA	NA	<15.5	171	22	171	193	NA	65.6
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	403	<25.0
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	12.5
		5/27/15	<0.0200	0.2121	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	610
		2/17/16	NA	NA	<4.7	10	NA	10	NA	NA	<1.5
		9/1/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.7	<9.5	<48	<14.2	<62.2	NA	<30
		2/24/17	<0.025	<0.225	<5.0	<9.6	<48	<14.6	<62.6	NA	<30
		9/21/17	<0.025	<0.222	<4.9	<9.2	<46	<14.1	<60.1	NA	<30
		11/29/17	<0.024	<0.219	<4.9	30	<45	30	30	NA	<30
		5/30/18	<0.017	<0.152	<3.4	<10	<50	<13.4	<63.4	NA	<30
		11/14/18	NA	NA	<5.2	<11	<54	<16.2	<70.2	NA	<33
		5/30/19	<0.026	<0.242	<5.3	<11	<53	<14.3	<67.3	NA	<7.9
		11/14/19	NA	NA	<4.9	<9.8	<49	<14.7	<63.7	NA	<60
		3/26/20	<0.025	<0.222	<4.9	<9.1	<45	<14.0	<59.0	NA	<60
		8/27/20	NA	NA	<4.9	<9.8	<49	<14.7	<63.7	NA	<7.5
		11/17/20	<0.0090	<0.0275	<3.8	8	<49	8	8	NA	<59

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			0.2	50	NE			500	2,500	2,500	1000
TZ Cell 13	G1	12/15/09	NA	NA	20	597	64.6	**617**	681.6	NA	291
		6/14/10	NA	NA	<15.7	288	71.6	288	359.6	NA	347
		12/1/10	NA	NA	<15.9	185	16.2	185	201.2	NA	425
		6/14/11	NA	NA	<15.3	414	25.6	414	439.6	NA	458
		11/28/11	NA	NA	<15.5	211	112	211	323	NA	311
		6/14/12	NA	NA	<15.4	395	89.1	395	484.1	NA	93.5
		10/30/12	NA	NA	<15.6	133	29.4	133	162.4	NA	131
		5/22/13	NA	NA	<15.3	450	195	450	645	NA	329
		11/14/13	NA	NA	<15.7	153	<15.7	153	153	NA	334
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	130	231
		2/26/15	NA	NA	<2.32	<7.41	NA	<9.73	NA	NA	424
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	81.9
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	541
		2/17/16	NA	NA	<5.0	47	NA	47	NA	NA	8.3
		9/1/16	Data inconclusive due to laboratory error								
		11/22/16	NA	NA	<4.9	32	120	32	152	NA	41
		2/24/17	<0.025	<0.221	<4.9	26	<48	26	26	NA	<30
		9/21/17	<0.025	<0.222	<4.9	19	79	19	98	NA	<30
		11/29/17	<0.023	<0.207	<4.6	30	110	30	140	NA	35
		5/30/18	<0.017	<0.152	<3.4	34	97	34	131	NA	32
		11/14/18	NA	NA	<5.4	11	<53	11	11	NA	<34
		5/30/19	<0.025	<0.224	<5.0	20	110	20	130	NA	14
		11/14/19	NA	NA	<4.9	<9.6	<48	<14.5	<62.5	NA	81
		3/26/20	<0.023	<0.207	<4.6	25	81	25	106	NA	<60
		8/27/20	NA	NA	<5.0	35	150	35	185	NA	110
		11/17/20	<0.0088	<0.0261	<3.7	28	110	28	138	NA	<60
TZ Cell 14	G1	12/15/09	NA	NA	<17.6	61.5	<17.6	61.5	61.5	NA	<4.92
		6/14/10	NA	NA	<16.9	48.4	<16.9	48.4	48.4	NA	5.37
		12/1/10	NA	NA	<15.3	127	15.6	127	142.6	NA	<4.27
		6/14/11	NA	NA	<15.1	110	<15.1	110	110	NA	15.7
		11/28/11	NA	NA	<15.4	88.5	62.3	88.5	150.8	NA	762
		6/14/12	NA	NA	<15.1	93.2	44.4	93.2	137.6	NA	7.02
		10/30/12	NA	NA	<15.3	80	16.5	80	96.5	NA	3.7
		5/22/13	NA	NA	<15.3	129	55.8	129	184.8	NA	10.3
		11/14/13	NA	NA	<15.4	77.8	<15.4	77.8	77.8	NA	9.88
	CS	8/5/14	<0.0200	<0.0200	<4.00	<50.0	NA	<54.0	NA	82	<25.0
		2/26/15	NA	NA	<2.32	116	NA	116	NA	NA	37.5
		5/27/15	<0.0200	<0.0800	<4.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<4.00	<50.0	NA	<54.0	NA	NA	<25.0
		2/17/16	NA	NA	<4.8	12	NA	12	NA	NA	<1.5
		9/1/16	Data inconclusive due to laboratory error								
		11/23/16	NA	NA	<4.9	<10	<51	<14.9	<65.9	NA	<30
		2/24/17	<0.024	<0.216	<4.8	<9.5	<47	<14.3	<61.3	NA	<30
		9/21/17	<0.024	<0.213	<4.7	<9.5	<47	<14.2	<61.2	NA	<30
		11/29/17	<0.024	<0.212	<4.7	<9.6	<48	<14.3	<62.3	NA	<30
		5/30/18	<0.017	<0.153	<3.4	<10	<50	<13.4	<63.4	NA	<30
		11/14/18	NA	NA	<5.1	<10	<51	<15.1	<66.1	NA	<32
		5/30/19	<0.025	<0.227	<5.1	<10	57	<15.1	57	NA	<7.8
		11/14/19	NA	NA	<4.8	<9.6	<48	<14.4	<62.4	NA	<60
		3/26/20	<0.023	<0.210	<4.7	11	50	11	61	NA	<60
		8/27/20	NA	NA	<4.9	<9.8	<49	<14.7	<63.7	NA	10
		11/17/20	<0.0090	<0.0275	<3.8	4.8	<46	4.8	4.8	NA	<59

Table 1
Treatment Zone Soil Analytical Data Summary - TPH and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Grid Location	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	TPH GRO/DRO Total (C6 to C28) (mg/kg)	TPH GRO/DRO/ ORO Total (C6 to C35) (mg/kg)	TRPH by 418.1 (mg/kg)	Chloride (mg/kg)
New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Landfarm Closure Criteria			**0.2**	**50**	**NE**			**500**	**2,500**	**2,500**	**1000**
TZ Cell 15	G1	12/15/09	NA	NA	NA	NA	NA	NA	NA	NA	NS
		6/14/10	NA	NA	<16.2	209	82.2	209	291.2	NA	79.7
		12/1/10	NA	NA	<15.7	218	29.7	218	247.7	NA	26.2
		6/14/11	NA	NA	<15.4	205	<15.4	205	205	NA	64.1
		11/28/11	NA	NA	<15.5	322	219	322	541	NA	30.9
		6/14/12	NA	NA	<15.5	291	113	291	404	NA	16.5
		10/30/12	NA	NA	<16.0	164	64.6	164	228.6	NA	13.8
		5/22/13	NA	NA	<15.7	317	221	317	538	NA	70.9
		11/14/13	NA	NA	<15.9	286	27.2	286	313.2	NA	79.7
	CS	8/5/14	<0.100	<0.100	<20.0	<50.0	NA	<70.0	NA	1220	<125
		2/26/15	NA	NA	<2.32	22	NA	22	NA	NA	54.4
		5/27/15	<0.0400	0.4243	<8.00	<50.0	NA	<54.0	NA	<10.0	<25.0
		8/11/15	NA	NA	<20.0	<50.0	NA	<52.0	NA	NA	30.4
		2/17/16	NA	NA	<4.8	67	NA	67	NA	NA	3.2
		9/1/16	Data inconclusive due to laboratory error								
		11/23/16	NA	NA	<4.6	150	450	150	600	NA	<30
		2/24/17	<0.025	<0.224	<5.0	200	230	200	430	NA	<30
		9/21/17	<0.024	<0.219	<4.9	130	290	130	420	NA	<30
		11/29/17	<0.024	<0.217	<4.8	85	320	85	405	NA	<30
		5/30/18	0.024	0.159	13	310	400	323	723	NA	<30
		11/14/18	NA	NA	<5.7	120	240	120	360	NA	<34
		5/30/19	<0.026	<0.228	<5.1	160	630	160	790	NA	<8.1
		11/14/19	NA	NA	<4.8	53	210	53	263	NA	<59
		3/26/20	<0.024	<0.213	<4.7	180	310	180	490	NA	<60
		8/27/20	NA	NA	<4.9	110	580	110	690	NA	<7.5
		11/17/20	<0.0091	<0.0277	<3.8	55	240	55	295	NA	<60

Notes:

TZ = Treatment Zone
CS= Composite Sample
mg/kg = milligrams per kilogram
TPH = Total Petroleum Hydrocarbons
GRO/DRO = Gasoline/Diesel Range Organics
BTEX = Benzene + Toluene + Ethylbenzene + Xylenes
NS = Not Sampled
NA = Not Analyzed
*Concentrations in **Bold** exceed the New Mexico Oil Conservation Division Landfarm Closure Criteria*

Table 2
Treatment Zone Soil Analytical Data Summary – WQCC Metals
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample	Sample Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Manganese (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Uranium (mg/kg)	Zinc (mg/kg)
TZ Cell 1	2/26/15	<0.432	125	0.0936	6.84	2.61	6570	<0.263	80.1	0.0665	<0.422	<0.0344	31.3	17.1
	8/12/15	<2.00	143	<0.500	6.18	2.42	4910	<1.00	62.2	0.0262	<2.00	<0.500	<1.00	12.5
	11/29/17	<2.5	160	<0.099	5.5	3.8	5800	<0.25	75	0.15	7.6	0.25	<4.9	12
	5/29/18	3.2	110	<0.097	4.0	3.3	7900	<0.24	42	0.11	2.7	<0.24	<4.9	11
	5/30/19	<5.0	110	<0.20	7.4	3.8	8000	0.90	97	<0.0515	<5.0	<0.50	<10	18
	11/13/19	<4.9	110	<0.19	5.3	2.4	5700	<0.49	54	<0.54	<4.9	<0.49	<9.7	11
	11/13/19	<5.1	110	<0.20	5.1	3.2	5600	1.5	61	0.326	<5.1	0.53	<10	11
	3/26/20	<5.0	110	<0.20	5.9	1.9	6100	<0.60	60	<0.0579	<5.0	0.66	<10	13
	11/17/20	3.7	150	<0.099	5.3	2.9	6100	1	60	0.027	<4.3	1.6	<1.4	13
TZ Cell 2	2/26/15	<0.432	110	0.0768	6.70	1.90	6750	2.40	58.8	0.0670	<0.422	<0.0344	31.2	14.5
	8/12/15	<2.00	180	<0.500	6.45	2.95	4980	<1.00	55.7	0.0594	<2.00	<0.500	<1.00	10.6
	11/29/17	<2.4	100	<0.096	5.5	4.4	6000	1.2	60	0.095	2.4	<0.24	<4.8	12
	5/29/18	2.7	70	<0.097	14	4.8	16000	4.4	91	<0.033	<2.4	<0.24	<4.8	22
	5/30/19	<5.2	200	<0.21	8.5	4.4	8200	1.0	72	0.0545	<5.2	<0.52	<10	16
	11/13/19	<5.2	110	<0.21	6.1	2.3	6200	1.4	54	0.135	<5.2	<0.52	<10	11
	11/13/19	<5.0	190	<0.20	7.9	5.7	14000	1.5	120	0.125	<5.0	<0.50	<10	14
	3/26/20	<5.0	260	<0.20	8.1	3.6	8300	<0.60	72	<0.0654	<5.0	<0.50	<10	16
	11/17/20	2.8	160	<0.097	8.4	7.6	11000	2.2	96	0.21	<4.3	<0.28	<1.4	19
TZ Cell 3	2/26/15	<0.432	74.7	<0.0320	5.81	0.843	6000	1.85	48.4	0.0764	0.741	<0.0344	27.4	13.3
	8/12/15	<2.00	46.4	<0.500	4.38	1.11	3840	<1.00	32.6	0.102	<2.00	<0.500	<1.00	8.24
	1/4/18	<2.4	57	<0.096	5.8	2.2	6000	0.86	43	0.27	<2.4	<0.24	<4.8	12
	5/30/19	<5.1	98	<0.20	7.1	1.9	7200	1.1	62	0.102	<5.1	<0.51	<10	19
	11/13/19	<5.2	67	<0.21	6.9	1.6	7000	1.2	54	0.181	<5.2	<0.52	<10	14
	11/13/19	<5.0	61	<0.20	5.7	1.6	5700	1.9	43	0.323	<5.0	<0.50	<10	12
	3/26/20	<5.0	63	<0.20	6.6	1.6	6400	0.93	54	0.232	<5.0	<0.50	<9.9	15
	11/17/20	>2.7	61	<0.097	5.8	2.6	6200	0.86	47	0.29	<4.3	<0.28	<1.4	13
TZ Cell 4	2/26/15	<0.432	120	0.131	7.31	1.38	7360	3.33	67.4	0.0323	<0.422	<0.0344	33.5	17.2
	8/12/15	<2.00	92.3	<0.500	6.83	3.1	5370	<1.00	52.3	<0.0250	<2.00	<0.500	<1.00	27.7
	11/29/17	<2.4	92	<0.098	5.6	3.1	6100	0.97	58	<0.031	<2.4	<0.24	<4.9	12
	5/29/18	2.7	90	<0.10	5.8	2.4	7200	0.7	58	<0.032	<2.5	<0.25	<5.0	13
	5/30/19	<5.1	120	<0.20	6.6	1.8	7000	1.5	65	<0.053	<5.1	<0.51	<10	16
	11/13/19	<5.1	76	<0.21	6.1	1.7	6300	1.7	51	<0.054	<5.1	<0.51	<10	12
	11/13/19	<5.0	84	<0.20	5.3	1.7	5800	2.5	54	<0.0535	<5.0	<0.50	<10	12
	3/26/20	<4.9	66	<0.20	5.7	1.3	6000	<0.59	50	<0.0583	<4.9	<0.49	<9.8	14
	11/17/20	4.5	95	<0.098	5.1	2.2	5300	<0.52	48	0.026	<4.3	<0.28	1.4	11
TZ Cell 5	8/5/14	2.35	44.7	<0.500	6.44	4.51	5200	5.77	65.7	0.217	<2.00	<0.500	23.2	19.4
	5/27/15	<2.00	46.4	<0.500	8.84	6.03	5120	6.89	73.5	0.177	<2.00	<0.500	66.9	23.3
	11/29/17	<2.4	42	<0.098	6.3	4.8	5000	3.9	61	<0.15	<2.4	<0.24	<4.9	18
	5/29/18	<2.5	49	<0.10	8.2	6.5	5900	7.4	60	0.17	<2.5	<0.25	<5.0	27
	5/30/19	<5.1	39	<0.20	6.3	3.0	6200	2.7	75	0.0549	<5.1	<0.51	<10	19
	11/13/19	<5.2	800	<0.21	8.5	5.9	5800	6.9	80	0.185	<5.2	<0.52	<10	22
	11/13/19	<4.9	81	<0.20	6.5	3.5	5300	2.4	60	0.169	<4.9	<0.49	<9.8	16
	3/26/20	<4.8	45	<0.19	6.2	3.5	5000	3.0	67	0.086	<4.8	<0.48	<9.7	21
	11/17/20	<2.8	56	<0.097	7.7	6.0	6200	5.7	67	5.6	<4.3	<0.28	<1.4	26

Table 2
Treatment Zone Soil Analytical Data Summary – WQCC Metals
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample	Sample Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Manganese (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Uranium (mg/kg)	Zinc (mg/kg)
TZ Cell 6	8/5/14	<2.00	83.4	<0.500	4.44	2.58	4770	3.08	56.9	0.0888	<2.00	<0.500	24.0	13.1
	5/27/15	<2.00	94.9	<0.500	7.99	4.32	5020	<1.00	69.8	0.0574	<2.00	<0.500	79.1	16.7
	11/29/17	<2.5	99	<0.10	4.5	3.4	4800	0.7	56	0.065	7.3	0.28	<5.0	11
	5/29/18	<2.5	76	<0.099	4.4	2.9	5600	0.52	52	0.073	<2.5	<0.25	<4.9	11
	5/30/19	<8.5	130	<0.34	6.3	3.8	6300	2.7	73	0.052	<8.5	<0.85	<17	16
	11/13/19	<5.0	92	<0.20	5.6	2.5	5700	1.3	60	0.0699	<5.0	<0.50	<9.9	12
	11/13/19	<5.0	89	<0.20	5.0	2.1	5000	1.7	53	<0.0535	<5.0	<0.50	<10	11
	3/26/20	<5.1	100	<0.20	5.6	2.1	5800	0.88	58	<0.0551	<5.1	<0.51	<10	13
	11/17/20	<2.8	96	<0.098	5.3	2.9	5500	0.69	56	0.017	<4.3	<0.028	<1.4	12
TZ Cell 7	8/5/14	<2.00	114	<0.500	4.21	1.46	4590	2.12	48.6	0.0395	<2.00	<0.500	22.7	11.5
	5/27/15	<2.00	122	<0.500	6.38	2.19	3680	<1.00	48.1	<0.0250	<2.00	<0.500	61.9	14.1
	11/29/17	<2.5	120	<0.099	4.1	2.9	4300	<0.25	45	<0.032	11	0.56	<4.9	9.4
	5/29/18	<2.5	83	<0.10	2.8	2.6	4700	<0.25	32	0.041	2.6	0.55	<5.0	8.3
	5/30/19	<8.7	120	<0.35	5.4	3.3	5500	2.4	60	<0.053	<8.7	<0.87	<17	<13
	11/13/19	<5.1	100	<0.20	5.3	2.5	5300	0.93	58	0.0715	<5.1	<0.51	<10	10
	11/13/19	<4.9	100	<0.19	4.5	2.3	4900	0.82	48	<0.054	<4.9	0.52	<9.7	10
	3/26/20	<5.1	51	<0.20	4.9	2.2	4900	0.98	61	<0.0628	<5.1	<0.51	<10	12
	11/17/20	3.5	130	<0.096	4.5	2.5	4800	<0.51	46	0.033	<4.2	1.6	<1.4	9.8
TZ Cell 8	8/5/14	<2.00	91.7	<0.500	3.68	0.821	3340	2.48	37.3	0.0426	<2.00	<0.500	18.2	9.22
	5/27/15	<2.00	61.1	<0.500	6.35	2.23	4460	1.19	64.2	<0.0250	<2.00	<0.500	64.6	15.8
	11/29/17	<2.5	87	<0.099	4.5	2.7	4400	0.71	50	<0.032	7.6	<0.25	<5.0	10
	5/30/18	3.6	86	<0.098	4.7	2.6	5100	0.69	41	0.037	<2.5	<0.25	<4.9	12
	5/30/19	<8.6	140	<0.34	6.0	2.9	5000	2.1	54	0.0511	<8.6	<0.86	<17	14
	11/13/19	<5.1	74	<0.20	5.7	2.2	6000	2.5	59	<0.0545	<5.1	<0.51	<10	11
	11/13/19	<5.0	110	<0.20	7.4	2.5	4600	2.4	50	0.0868	<5.0	<0.50	<10	16
	3/26/20	<4.8	99	<0.19	5.8	1.7	6000	0.68	54	<0.0609	<4.8	<0.48	<9.7	13
	11/17/20	<2.9	120	<0.10	5.9	2.7	4800	1.3	51	0.041	<4.4	0.9	<1.5	12
TZ Cell 9	8/5/14	<2.00	72.9	<0.500	7.74	1.26	3930	3.38	40.8	0.0742	<2.00	<0.500	19.8	10.6
	5/27/15	<2.00	80.3	<0.500	6.29	1.97	3850	<1.00	50.4	0.0357	<2.00	<0.500	59.4	12.7
	11/29/17	<2.5	90	<0.10	5.0	2.7	5600	0.74	58	0.061	6.0	<0.25	<5.0	14
	5/30/18	<2.5	62	<0.10	4.7	3.2	6200	1.7	51	0.097	<2.5	<0.25	<5.0	14
	5/30/19	<8.6	80	<0.34	5.8	4.6	6300	1.4	66	0.0794	<8.6	<0.86	<17	15
	11/13/19	<4.9	82	<0.20	5.7	2.3	6000	1.7	58	0.0571	<4.9	<0.49	<9.8	13
	11/13/19	<5.0	75	<0.20	4.9	4.1	5100	1.7	51	0.0666	<5.0	<0.50	<10	11
	3/26/20	<5.0	100	<0.20	5.1	2.3	5600	0.64	59	0.0926	<5.0	0.61	<10	14
	11/17/20	4.8	63	<0.098	5.4	2.8	4700	1.4	47	0.1100	<4.3	<0.28	<1.4	13
TZ Cell 10	8/5/14	<2.00	44.4	<0.500	4.76	1.85	5330	3.11	44.9	0.0341	<2.00	<0.500	23.7	10.5
	5/27/15	<2.00	54.9	<0.500	6.86	1.46	4420	<1.00	44.6	0.0276	<2.00	<0.500	64.2	18.6
	11/29/17	<2.4	44	<0.097	4.6	1.7	4800	0.9	37	0.040	3.6	<0.24	<4.9	9.5
	5/30/18	<2.4	48	<0.098	4.5	2	5600	1.4	41	0.038	<2.4	<0.24	<4.9	12
	5/30/19	<8.6	73	<0.34	5.5	1.9	5100	2.1	48	<0.051	<8.6	<0.86	<17	13
	11/13/19	<5.1	53	<0.20	5.0	2.1	4600	0.81	40	<0.0525	<5.1	<0.51	<10	9.1
	11/13/19	<5.0	70	<0.20	5.5	2.7	5900	1.4	50	0.0539	<5.0	<0.50	<10	12
	3/26/20	<5.0	56	<0.20	5.2	1.7	5400	1.0	43	0.0763	<5.0	<0.50	<9.9	11
	11/17/2020	<2.8	53	<0.10	5.3	1.7	5900	1.2	42	0.045	<4.4	<0.29	<1.4	11

Table 2
Treatment Zone Soil Analytical Data Summary – WQCC Metals
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample	Sample Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Manganese (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Uranium (mg/kg)	Zinc (mg/kg)
TZ Cell 11	8/5/14	<2.00	59.4	<0.500	3.64	1.08	4180	2.78	47.8	0.0856	<2.00	<0.500	19.6	9.73
	5/27/15	<2.00	55.1	<0.500	5.76	1.57	3770	<1.00	51.9	0.0973	<2.00	<0.500	56.9	13.2
	11/29/17	<2.4	91	<0.097	4.1	2.9	5300	0.67	56	0.078	6.3	<0.24	<4.9	9.4
	5/30/18	<2.5	50	<0.10	4.1	2.0	4600	0.78	39	0.034	<2.5	<0.25	<5.0	9.0
	5/30/19	<8.5	69	<0.34	5.2	2.7	5600	1.8	61	0.156	<8.5	<0.85	<17	13
	11/14/19	<5.1	83	<0.20	4.8	3.1	5400	1.6	58	0.154	<5.1	<0.51	<10	10
	11/14/19	<5.1	170	<0.21	5.2	4.0	9100	1.2	89	0.111	<5.1	<0.51	<10	11
	3/26/20	<5.0	100	<0.20	5.6	2.0	6300	1.1	60	0.0625	<5.0	<0.50	<10	13
	11/17/20	4.7	64	<0.098	4	2.5	5100	<0.53	55	0.097	<4.3	<0.29	<1.4	8
TZ Cell 12	8/5/14	2.70	62.3	<0.500	7.37	94.0	8080	4.35	71.9	0.0342	<2.00	<0.500	31.2	13.7
	5/27/15	<2.00	72.9	<0.500	11.5	52.3	6780	4.23	67.8	0.0690	<2.00	<0.500	93.5	17.6
	11/29/17	<2.5	81	<0.099	8.8	63.0	8100	1.7	73	0.1800	5.0	<0.25	<5.0	14
	5/30/18	<2.5	56	<0.099	6.6	240	7900	0.51	130	0.0700	<2.5	<0.25	<4.9	16
	5/30/19	<8.9	58	<0.35	11	130	8900	1.1	90	<0.0525	<8.9	<0.89	<18	18
	11/14/19	<5.0	55	<0.20	11	130	9300	1.9	87	0.116	<5.0	<0.50	<10	15
	11/14/19	<5.2	86	<0.21	8.3	47	8100	2.6	68	0.0918	<5.2	<0.52	<10	16
	3/26/20	<4.9	88	<0.20	8.1	28	8300	1.4	62	0.0782	<4.9	<0.49	<9.8	16
	11/17/20	<2.8	66	<0.10	7.1	45	7100	1.5	67	0.0410	<4.4	<0.29	<1.5	14
TZ Cell 13	8/5/14	2.26	85.9	<0.500	5.43	2.31	5680	2.63	62.6	0.160	<2.00	<0.500	25.6	13.5
	5/27/15	<2.00	89.5	<0.500	6.92	2.27	4770	<1.00	60.8	0.164	<2.00	<0.500	75.0	13.7
	11/29/17	<2.4	99	<0.095	5.0	3.6	5200	0.28	67	0.190	<2.4	<0.24	<4.8	10
	5/30/18	<2.5	77	<0.99	4.8	3.6	5600	0.5	54	0.120	<2.5	<0.25	<5.0	11
	5/30/19	<8.7	92	<0.35	6.6	4.0	6800	2.4	80	0.186	<8.7	<0.87	<17	14
	11/14/19	<5.1	79	<0.20	6.0	4.2	5700	0.71	72	0.111	<5.1	<0.51	<10	14
	11/14/19	<5.2	95	<0.21	5.5	3.6	5200	<0.52	68	0.0904	<5.2	<0.52	<10	11
	3/26/20	<5.1	84	<0.20	6.3	2.8	6700	<0.61	71	0.2680	<5.1	<0.51	<10	13
	11/17/20	3.6	96	<0.0098	5.9	3.4	5300	<0.53	66	0.1200	<4.3	<0.29	<1.4	12
TZ Cell 14	8/5/14	2.06	140	<0.500	4.23	1.11	4070	2.43	45.9	<0.0250	<2.00	<0.500	21.8	10.2
	5/27/15	<2.00	110	<0.500	5.45	1.48	3320	<1.00	43.6	<0.0250	<2.00	<0.500	55.5	19.4
	11/29/17	<2.5	99	<0.10	3.4	1.8	3400	0.38	36	<0.032	5.7	0.27	<5.0	7.6
	5/30/18	<2.5	59	<0.099	3.6	2.2	1600	0.46	38	<0.033	<2.5	<0.25	<4.9	8.8
	5/30/19	<8.7	270	<0.35	4.9	3.2	4800	1.6	63	<0.052	<8.7	<0.87	<17	12
	11/14/19	<5.1	150	<0.21	5.0	2.4	4600	1.2	60	<0.0535	<5.1	<0.51	<10	11
	11/14/19	<5.1	59	<0.21	4.2	2.2	4000	1.6	46	<0.0525	<5.1	<0.51	<10	9.9
	3/26/20	<5.0	210	<0.20	4.6	2.0	4500	<0.60	52	<0.059	<5.0	1.5	<10	11
	11/17/20	<2.7	140	<0.096	4.6	2.3	4100	<0.51	53	0.0069	<4.2	1.3	<1.4	9.5
TZ Cell 15	8/5/14	<2.00	174	0.567	19.2	248	13500	9.18	101	0.115	<2.00	<0.500	48.2	31.1
	5/27/15	<2.00	224	<0.500	13.2	127	6980	18.1	78.9	0.0589	<2.00	<0.500	94.7	34.7
	11/29/17	<2.5	500	<0.098	9.6	150	8000	2.7	100	0.046	9.1	<0.25	<4.9	23
	5/30/18	<2.4	220	<0.097	11	110	8900	3.7	75	0.070	<2.4	<0.24	<4.9	21
	5/30/19	<9.0	370	<0.36	15	220	11000	3.3	100	0.099	<9.0	<0.90	<18	34
	11/14/19	<5.2	180	<0.21	15	170	14000	5.7	110	0.0696	<5.2	<0.52	<10	26
	11/14/19	<5.1	190	<0.20	17	250	13000	7.3	120	0.0872	<5.1	<0.51	<10	33
	3/26/20	<5.0	210	<0.20	19	230	17000	3.9	130	0.3210	<5.0	<0.50	<9.9	35
	11/17/20	3.8	210	<0.10	17	260	12000	3.9	110	0.0730	<4.4	<0.29	<1.4	31

Notes:

TZ = Treatment Zone
mg/kg = milligrams per kilogram

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 1	G1	12/16/09	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.0	<17.0	<17.0	<17.0	NA	<4.79
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**24.1**
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**10.6**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<4.52
		11/28/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**9.58**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**6.71**
		10/31/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	**8.85**
		5/23/13	1 - 2	<0.00112	<0.00223	<0.00112	<0.00223	<0.00223	<16.9	<16.9	<16.9	<16.9	NA	**8.18**
		11/14/13	1 - 2	<0.00112	<0.00223	<0.00112	<0.00223	<0.00223	<16.7	<16.7	<16.7	<16.7	NA	**12.7**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.21	<16.2	NA	<4.55
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**11**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**34.0**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**7.03**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**9.29**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**11.3**
		10/31/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	**37.0**
		5/23/13	1 - 2	<0.00108	<0.00216	<0.00108	<0.00216	<0.00216	<16.2	<16.2	<16.2	<16.2	NA	**4.94**
		11/14/13	1 - 2	<0.00109	<0.00218	<0.00109	<0.00218	<0.00218	<16.2	<16.2	<16.2	<16.2	NA	**5.6**
	G3	12/16/09	1 - 2	<0.00011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**46.9**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	**10.2**
		12/1/10	1 - 2	<0.006	<0.0120	<0.006	<0.0120	<0.0120	<18.0	<18.0	<18.0	<18.0	NA	**84.7**
		6/14/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.3	<17.3	<17.3	<17.3	NA	**26.5**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**36.5**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0023	<0.0023	<17.3	<17.3	<17.3	<17.3	NA	**50.0**
		10/31/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.8	<16.8	<16.8	<16.8	NA	**20.6**
		5/23/13	1 - 2	<0.00122	<0.00244	<0.00122	<0.00244	<0.00244	<18.6	<18.6	<18.6	<18.6	NA	**13.8**
		11/14/13	1 - 2	<0.00121	<0.00242	<0.00121	<0.00242	<0.00242	<18.0	<18.0	<18.0	<18.0	NA	**30.6**
	G4	12/16/09	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**15.7**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**18**
		12/1/10	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	**117**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<4.57
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<15.8	<15.8	<15.8	<15.8	NA	**7.15**
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**4.44**
		10/31/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	<0.99
		5/23/13	1 - 2	<0.00116	<0.00231	<0.00116	<0.00231	<0.00231	<17.5	<17.5	<17.5	<17.5	NA	**10.0**
		11/14/13	1 - 2	<0.00117	<0.00233	<0.00117	<0.00233	<0.00233	<17.4	<17.4	<17.4	<17.4	NA	**46.6**
	G5	12/16/09	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**4.57**
		6/15/10	1 - 2	<0.0012	<0.0024	<0.0012	<0.0024	<0.0024	<17.7	<17.7	<17.7	<17.7	NA	<4.98
		12/1/10	1 - 2	<0.001	<0.0021	<0.0010	<0.0021	<0.0021	<15.6	<15.7	<15.8	<15.9	NA	**19.3**
		6/14/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.0	<17.0	<17.0	<17.0	NA	<4.79
		11/28/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**5.65**
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<16.2	<16.2	<16.2	<16.2	NA	**17.8**
		10/31/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<16.3	<16.3	<16.3	<16.3	NA	**2.63**
		5/23/13	1 - 2	<0.00112	<0.00224	<0.00112	<0.00224	<0.00224	<16.9	<16.9	<16.9	<16.9	NA	**5.45**
		11/14/13	1 - 2	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.4	<16.4	<16.4	<16.4	NA	**3.40**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**492**	**70.3**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**187**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	0.0045	0.0045	NA	NA	NA	NA	**89.8**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	**32.9**
		8/12/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	< 0.056	< 0.056	<0.056	<0.11	<0.278	NA	NA	NA	NA	<19.0	**36**
		2/16/16	1 - 2	<0.024	<0.024	<0.024	<0.048	<0.12	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	NA	NA	NA	NA	**22**	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/21/16	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.8	<49	<63.6	NA	<30
		2/24/17	0	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	**220**	**490**	**710**	NA	NA
		3/17/17	1 - 2	NA	NA	NA	NA	NA	<4.8	<9.6	<48	<62.4	NA	NA
		6/1/17	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.7	<49	<63.4	NA	<30
		9/21/17	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<10	<50	<64.7	NA	NA
		11/27/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.9	<49	<63.7	NA	<30
		2/26/18	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.4	<47	<61.1	NA	NA
		5/29/18	1 - 2	<0.018	<0.036	<0.036	<0.071	<0.188	<3.6	<9.9	<30	<43.5	NA	<30
		8/21/18	2 - 3	<0.025	<0.051	<0.051	<0.10	<0.227	<5.1	<11	<54	<70.1	NA	NA
		11/14/18	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.213	<4.9	<9.7	<48	<62.6	NA	<30
		3/15/19	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.6	<48	<62.6	<19.0	NA
		5/29/19	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.214	<4.9	<11	<53	<68.9	NA	**4.9**
		8/21/19	2 - 3	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.5	<47	<60.5	NA	NA
		11/13/19	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.213	<4.9	<9.4	<47	<61.3	NA	NA
		3/26/20	1 - 2	<0.025	<0.49	<0.049	<0.099	<0.214	<4.9	<10	<50	<64.9	NA	<60
		5/20/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.8	<49	<63.7	NA	NA
		8/27/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.4	<47	<60.4	NA	<7.5
		11/17/20	1 - 2	<0.0091	<0.0050	<0.012	<0.025	<0.0511	<1.3	**42**	**270**	**312**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 2	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**14.4**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**10.9**
		12/1/10	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	**17.7**
		6/14/11	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	**11.8**
		11/28/11	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.5	<17.5	<17.5	<17.5	NA	**14.0**
		6/15/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**9.97**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**2.79**
		5/23/13	1 - 2	<0.000990	<0.00198	<0.000990	<0.00198	<0.00198	<16.4	<16.4	<16.4	<16.4	NA	**6.16**
		11/14/13	1 - 2	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.5	<16.5	<16.5	<16.5	NA	**14.5**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	<4.53
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<15.7	<15.7	<15.7	<15.7	NA	**6.44**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**5.5**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16	<16	<16	<16	NA	**4.75**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<4.59
		6/15/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**39.4**
		10/30/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	**2.27**
		5/23/13	1 - 2	<0.000990	<0.00198	<0.000990	<0.00198	<0.00198	<16.5	<16.5	<16.5	<16.5	NA	**6.41**
		11/14/13	1 - 2	<0.00111	<0.00222	<0.00111	<0.00222	<0.00222	<16.5	<16.5	<16.5	<16.5	NA	**13.2**
	G3	12/16/09	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	**31.2**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**9.08**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**18.1**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<4.51
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.8	<16.8	<16.8	<16.8	NA	**12.0**
		6/15/12	1 - 2	<0.0010	<0.0011	<0.0011	<0.0021	<0.0021	<16.3	<16.3	<16.3	<16.3	NA	**11.4**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**13.5**
		5/23/13	1 - 2	<0.000998	<0.00200	<0.000998	<0.00200	<0.00200	<16.4	<16.4	<16.4	<16.4	NA	**45.7**
		11/14/13	1 - 2	<0.00109	<0.00217	<0.00109	<0.00217	<0.00217	<16.2	<16.2	<16.2	<16.2	NA	**23.9**
	G4	12/16/09	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**10.6**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**6.88**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	<9.24
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**6.19**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<4.60
		6/15/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**8.49**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.8	<16.8	<16.8	<16.8	NA	**8.03**
		5/23/13	1 - 2	<0.000990	<0.00198	<0.000990	<0.00198	<0.00198	<16.3	<16.3	<16.3	<16.3	NA	**7.92**
		11/14/13	1 - 2	<0.00107	<0.00214	<0.00107	<0.00214	<0.00214	<16.0	<16.0	<16.0	<16.0	NA	**3.29**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**25.3**	**60.9**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**169**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**13.5**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/12/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.054	<0.054	<0.054	<0.11	<0.272	NA	NA	NA	NA	<20.0	**55**
		2/16/16	1 - 2	<0.025	<0.025	<0.025	<0.049	<0.124	NA	NA	NA	NA	**140**	NA
		5/17/16	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	NA	NA	NA	NA	<20	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/21/16	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.7	<48	<62.7	NA	<30
		2/24/17	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.6	<48	<62.2	NA	NA
		6/1/17	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.7	<49	<63.6	NA	<30
		9/21/17	1 - 2	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.3	<47	<61.1	NA	NA
		11/27/17	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	<9.4	<47	<61.0	NA	<30
		2/26/18	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.9	<49	<63.6	NA	NA
		5/29/18	1 - 2	<0.016	<0.032	<0.032	<0.064	<0.144	<3.2	<10	<50	<63.2	NA	<30
		8/21/18	2 - 3	<0.027	<0.054	<0.054	<0.11	<0.245	<5.4	<11	<54	<70.4	NA	NA
		11/14/18	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<10	<50	<64.8	NA	<30
		3/15/19	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<10	<50	<65.0	<20	NA
		5/29/19	1 - 2	<0.028	<0.056	<0.056	<0.11	<0.250	<5.6	<11	<57	<73.6	NA	<1.7
		8/21/19	2 - 3	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.5	<48	<62.4	NA	NA
		11/13/19	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.8	<49	<63.6	NA	NA
		3/26/20	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.7	<49	<63.7	NA	<60
		5/20/20	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<10	<50	<65.0	NA	NA
		8/27/202	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.8	<49	<63.7	NA	<7.5
		11/17/20	1 - 2	<0.0091	<0.0050	<0.012	<0.025	<0.0511	<1.3	**11**	<50	**11**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 3	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**7.03**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	<4.49
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	<9.21
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<8.93
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**5.24**
		6/15/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**4.90**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**8.53**
		5/23/13	1 - 2	<0.000996	<0.00199	<0.000996	<0.00199	<0.00199	<16.7	<16.7	<16.7	<16.7	NA	**8.42**
		11/14/13	1 - 2	<0.00108	<0.00216	<0.00108	<0.00216	<0.00216	<16.2	<16.2	<16.2	<16.2	NA	**7.58**
	G2	12/16/09	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	<16.9
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.5	<15.5	<15.5	<15.5	NA	**48**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<9.29
		6/14/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.8	<16.8	<16.8	<16.8	NA	<9.40
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	<4.52
		6/15/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**4.80**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**5.46**
		5/23/13	1 - 2	<0.000996	<0.00199	<0.000996	<0.00199	<0.00199	<16.8	<16.8	<16.8	<16.8	NA	**9.39**
		11/14/13	1 - 2	<0.00110	<0.00219	<0.00110	<0.00219	<0.00219	<16.4	<16.4	<16.4	<16.4	NA	**7.19**
	G3	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**11.5**
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.7	<15.7	<15.7	<15.7	NA	<4.42
		12/01/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<9.32
		6/14/11	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.5	<15.5	<15.5	<15.5	NA	<4.36
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**6.43**
		6/15/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.0	<16.0	<16.0	<16.0	NA	**8.40**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**6.19**
		5/23/13	1 - 2	<0.000990	<0.00198	<0.000990	<0.00198	<0.00198	<16.2	<16.2	<16.2	<16.2	NA	**7.32**
		11/14/13	1 - 2	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.4	<16.4	<16.4	<16.4	NA	**5.55**
	G4	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**5.35**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**12**
		12/01/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	<9.14
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<9.17
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**9.78**
		6/15/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**8.98**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**9.42**
		5/23/13	1 - 2	<0.000994	<0.00199	<0.000994	<0.00199	<0.00199	<16.7	<16.7	<16.7	<16.7	NA	**10.5**
		11/14/13	1 - 2	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<16.4	<16.4	<16.4	<16.4	NA	**17.7**
	G5	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	<4.73
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	<4.45
		12/01/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<9.35
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<4.61
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**7.78**
		6/15/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**5.23**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**4.77**
		5/23/13	1 - 2	<0.00101	<0.00201	<0.00101	<0.00201	<0.00201	<16.7	<16.7	<16.7	<16.7	NA	**7.87**
		11/14/13	1 - 2	<0.00111	<0.00222	<0.00111	<0.00222	<0.00222	<16.6	<16.6	<16.6	<16.6	NA	**11.1**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	<10.0	<25.0
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**217**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/12/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.055	<0.055	<0.055	<0.11	<0.275	NA	NA	NA	NA	<20.0	<1.7
		2/16/16	1 - 2	<0.024	<0.024	<0.024	<0.049	<0.121	NA	NA	NA	NA	<20	NA
		5/17/16	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	NA	NA	NA	NA	<20	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/21/16	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.9	<49	<63.5	NA	<30
		2/24/17	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.9	<49	<63.6	NA	NA
		6/1/17	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.6	<48	<62.6	NA	<30
		9/21/17	1 - 2	<0.024	<0.047	<.047	<0.094	<0.212	<4.7	<9.5	<48	<62.2	NA	NA
		11/27/17	1 - 2	Not sampled, sample collected in January 2018										
		1/4/18	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<10	<50	<65.0	NA	<30
		2/26/18	1 - 2	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.7	<48	<62.5	NA	NA
		5/29/18	1 - 2	NA	NA	NA	NA	NA	<3.6	<10	<50	<63.6	NA	NA
		8/21/18	2 - 3	<0.027	<0.054	<0.054	<0.11	<0.217	<5.4	**80**	**140**	**220**	NA	NA
		11/15/18	2 - 3	<0.024	<0.048	<0.048	<0.097	<0.217	<4.9	<9.9	<49	<63.8	NA	<30
		3/15/19	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	**21**	<50	<64.5	**20**	NA
		5/29/19	1 - 2	<0.028	<0.055	<0.055	<0.11	<0.248	<5.5	<11	<55	<71.5	NA	<1.7
		8/21/19	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.7	<48	<62.3	NA	NA
		11/13/19	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.5	<47	<61.5	NA	NA
		3/26/20	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.7	<48	<62.5	NA	<60
		5/20/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<8.8	<44	<57.7	NA	NA
		8/27/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.9	<49	<63.9	NA	<7.5
		11/17/20	1 - 2	<0.0091	<0.0049	<0.011	<0.025	<0.05	<1.3	**3.3**	<48	**3.3**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 4	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	<4.74
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<9.32
		12/01/10	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	<9.51
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<9.04
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<4.67
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**6.89**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	<1.14
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.3	<16.3	<16.3	<16.3	NA	**3.10**
		11/14/13	1 - 2	<0.00116	<0.00233	<0.00116	<0.00233	<0.00233	<17.4	<17.4	<17.4	<17.4	NA	**6.51**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**8.56**
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.5	<15.5	<15.5	<15.5	NA	<4.34
		12/01/10	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	<4.76
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<4.48
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	<4.60
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	**8.02**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.8	<16.8	<16.8	<16.8	NA	<1.12
		5/23/13	1 - 2	<0.00994	<0.00199	<0.00994	<0.00199	<0.00199	<17.1	<17.1	<17.1	<17.1	NA	**4.43**
		11/14/13	1 - 2	<0.00114	<0.00228	<0.00114	<0.00228	<0.00228	<16.9	<16.9	<16.9	<16.9	NA	**15.7**
	G3	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**12.9**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<4.61
		12/01/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	<9.29
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<4.63
		11/28/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.7	<15.7	<15.7	<15.7	NA	**4.64**
		6/14/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.3	<17.3	<17.3	<17.3	NA	**6.72**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	<1.10
		5/23/13	1 - 2	<0.000994	<0.00199	<0.000994	<0.00199	<0.00199	<17.0	<17.0	<17.0	<17.0	NA	**7.42**
		11/14/13	1 - 2	<0.00113	<0.00227	<0.00113	<0.00227	<0.00227	<17.0	<17.0	<17.0	<17.0	NA	**15.8**
	G4	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<4.64
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.6	<15.6	<15.6	<15.6	NA	<4.38
		12/01/10	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.7	<17.7	<17.7	<17.7	NA	<9.85
		6/14/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	<4.79
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	<4.72
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**5.53**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**18.1**
		5/23/13	1 - 2	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<16.0	<16.0	<16.0	<16.0	NA	**6.03**
		11/14/13	1 - 2	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.4	<16.4	<16.4	<16.4	NA	**28.1**
	G5	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<4.64
		6/15/10	1 - 2	<0.0010	<0.0020	<0.0010	<0.0020	<0.0020	<15.4	<15.4	<15.4	<15.4	NA	<4.34
		12/01/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.7	<15.7	<15.7	<15.7	NA	<8.81
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	<9.20
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**6.45**
		10/31/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	<1.16
		5/23/13	1 - 2	<0.000996	<0.00199	<0.000996	<0.00199	<0.00199	<17.2	<17.2	<17.2	<17.2	NA	**6.55**
		11/14/13	1 - 2	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<16.4	<16.4	<16.4	<16.4	NA	**9.98**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**42.4**	<25.0
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**489**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/12/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.055	<0.055	<0.055	<0.11	<0.275	NA	NA	NA	NA	<20.0	**12**
		2/16/16	1 - 2	<0.023	<0.023	<0.023	<0.046	<0.115	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	NA	NA	NA	NA	<19	**32**
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<10	<50	<64.7	NA	<30
		2/24/17	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.3	<47	<61.2	NA	NA
		6/1/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.9	<49	<63.7	NA	<30
		9/21/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.8	<49	<63.6	NA	NA
		11/27/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	**32**	**130**	**162**	NA	<30
		1/4/18	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	**550**	**1300**	**1850**	NA	<30
		2/26/18	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.7	<49	<63.6	NA	NA
		5/29/18	1 - 2	<0.017	<0.034	<0.034	<0.069	<0.154	<3.4	**220**	**910**	**1130**	NA	<30
		7/23/18	2 - 3	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.9	<50	<64.8	NA	<30
		8/21/18	2 - 3	<0.026	<0.051	<0.051	<0.10	<0.228	<5.1	**67**	**270**	**337**	NA	NA
		11/15/18	2 - 3	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.2	<46	<60.1	NA	<30
		3/15/19	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	**130**	**160**	<61.4	**280**	NA
		5/29/19	1 - 2	<0.027	<0.055	<0.055	<0.11	<0.247	<5.5	<11	<56	<72.5	NA	<8.4
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.8	<49	<63.6	NA	NA
		11/13/19	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.9	<49	<63.9	NA	NA
		3/26/20	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.4	<47	<61.4	NA	<60
		5/20/20	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.8	<49	<63.6	NA	NA
		8/27/20	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	**11**	<46	**11**	NA	<7.5
		11/17/20	1 - 2	<0.0095	<0.0052	<0.012	<0.026	<0.0527	<1.4	**3.0**	<47	**3.0**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 5	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<4.65
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<4.50
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	<8.9
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<4.5
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<4.55
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**6.46**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	<1.10
		5/23/13	1 - 2	<0.000996	<0.00199	<0.000996	<0.00199	<0.00199	<17.0	<17.0	<17.0	<17.0	NA	**4.93**
		11/14/13	1 - 2	<0.00110	<0.00220	<0.00110	<0.00220	<0.00220	<16.4	<16.4	<16.4	<16.4	NA	**6.60**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	<10.0	<25.0
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**356**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	**180**	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.053	<0.053	<0.053	<0.11	<0.269	NA	NA	NA	NA	<20.0	<1.6
		2/16/16	1 - 2	<0.024	<0.024	<0.024	<0.048	<0.12	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	NA	NA	NA	NA	<20	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.4	<47	<61.2	NA	<30
		2/24/17	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.6	<48	<62.3	NA	NA
		6/1/17	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.8	<49	<63.7	NA	<30
		9/21/17	1 - 2	<0.023	<0.046	<0.046	<0.091	<0.206	<4.6	<9.7	<49	<63.3	NA	NA
		11/27/17	1 - 2	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.9	<49	<63.7	NA	<30
		2/26/18	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.5	<47	<61.5	NA	NA
		5/29/18	1 - 2	<0.018	<0.037	<0.037	<0.073	<0.165	<3.7	<10	<50	<63.7	NA	<30
		8/21/18	2 - 3	<0.027	<0.054	<0.054	<0.11	<0.217	<5.4	<11	<54	<70.4	NA	NA
		11/15/18	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.3	<47	<61.1	NA	<30
		3/15/19	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.6	<48	<62.6	<19	NA
		5/29/19	1 - 2	<0.027	<0.053	<0.053	<0.11	<0.243	<5.3	<11	<55	<71.3	NA	<1.7
		8/21/19	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.8	<49	<63.5	NA	NA
		11/13/19	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.7	<48	<62.6	NA	NA
		3/26/20	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.9	<49	<63.6	NA	<60
		5/20/20	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.5	<47	<61.2	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.2	<46	<60.1	NA	<7.5
		11/17/20	1 - 2	<0.0092	<0.0050	<0.012	<0.025	<0.0512	<1.3	**3.2**	<46	**3.2**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 6	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	<4.68
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	<4.48
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<4.47
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<4.62
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	<4.57
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**11.7**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<16.3	<16.3	<16.3	<16.3	NA	**12.9**
		5/23/13	1 - 2	<0.000998	<0.00200	<0.000998	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	NA	**9.59**
		11/14/13	1 - 2	<0.00106	<0.00212	<0.00106	<0.00212	<0.00212	<15.8	<15.8	<15.8	<15.8	NA	**3.79**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	<4.68
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**5.61**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**37.0**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	<4.52
		11/28/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<4.50
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**11.2**
		10/30/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<16.3	<16.3	<16.3	<16.3	NA	**29.6**
		5/23/13	1 - 2	<0.000992	<0.00198	<0.000992	<0.00198	<0.00198	<15.0	<15.0	<15.0	<15.0	NA	**11.3**
		11/14/13	1 - 2	<0.00109	<0.00219	<0.00109	<0.00219	<0.00219	<16.3	<16.3	<16.3	<16.3	NA	**3.57**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**54.8**	<25.0
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**247**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.052	<0.052	<0.052	<0.10	<0.256	NA	NA	NA	NA	<20.0	<1.6
		2/16/16	1 - 2	<0.025	<0.025	<0.025	<0.049	<0.124	NA	NA	NA	NA	<20	NA
		5/17/16	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	NA	NA	NA	NA	<19	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<10	<50	<64.9	NA	<30
		2/24/17	1 - 2	<0.024	<0.048	<0.048	<0.095	<0.215	<4.8	<9.6	<48	<62.4	NA	NA
		6/1/17	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.5	<47	<61.4	NA	<30
		9/21/17	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.2	<46	<59.9	NA	NA
		11/27/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.8	<49	<63.6	NA	<30
		2/26/18	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<10	<50	<64.9	NA	NA
		5/29/18	1 - 2	<0.016	<0.033	<0.033	<0.065	<0.147	<3.3	<9.9	<50	<63.2	NA	<30
		8/21/18	2 - 3	<0.027	<0.053	<0.053	<0.11	<0.243	<5.3	<11	<56	<72.3	NA	NA
		11/15/18	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<10	<50	<64.9	NA	<30
		3/15/19	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<10	<50	<65.0	<20	NA
		5/29/19	1 - 2	<0.027	<0.054	<0.054	<0.11	<0.245	<5.4	<11	<54	<70.4	NA	**4.8**
		8/21/19	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.4	<47	<61.3	NA	NA
		11/13/19	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.1	<46	<60.0	NA	NA
		3/26/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.3	<46	<60.2	NA	<59
		5/20/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<8.9	<44	<57.9	NA	NA
		8/27/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<8.8	<44	<57.8	NA	<7.5
		11/17/20	1 - 2	<0.0091	<0.0024	<0.0042	<0.012	<0.0277	<3.8	<2.8	<47	<53.6	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 7	G1	12/16/09	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.2	<16.2	<16.2	<16.2	NA	<4.55
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.7	<15.7	<15.7	<15.7	NA	**5.27**
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.2	<16.2	<16.2	<16.2	NA	<4.51
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<4.55
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	<4.59
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.2	<16.2	<16.2	<16.2	NA	**6.84**
		10/30/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.4	<16.4	<16.4	<16.4	NA	<1.09
		5/23/13	1 - 2	<0.000990	<0.00198	<0.000990	<0.00198	<0.00198	<15.0	<15.0	<15.0	<15.0	NA	**5.80**
		11/14/13	1 - 2	<0.00111	<0.00222	<0.00111	<0.00222	<0.00222	<16.5	<16.5	<16.5	<16.5	NA	**4.68**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**92.6**	<25.0
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**241**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**23.0**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	**23.7**	**39.0**
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.054	<0.054	<0.054	<0.11	<0.272	NA	NA	NA	NA	<20.0	<1.7
		2/16/16	1 - 2	<0.025	<0.025	<0.025	<0.049	<0.124	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	NA	NA	NA	NA	<19	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.8	<49	<63.5	NA	<30
		2/24/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.4	<47	<61.2	NA	NA
		6/1/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.7	<49	<63.5	NA	<30
		9/21/17	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.6	<48	<62.4	NA	NA
		11/27/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.9	<50	<64.7	NA	<30
		2/26/18	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.7	<48	<62.5	NA	NA
		5/29/18	1 - 2	<0.015	<0.030	<0.030	<0.060	<0.135	<3.0	<10	<50	<63.0	NA	<30
		8/21/18	2 - 3	<0.029	<0.058	<0.058	<0.12	<0.265	<5.8	<12	<59	<76.8	NA	NA
		11/15/18	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.6	<48	<62.6	NA	<30
		3/15/19	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<10	<50	<64.7	<19	NA
		5/29/19	1 - 2	<0.026	<0.052	<0.052	<0.10	<0.230	<5.2	<11	<54	<70.2	NA	<1.7
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.6	<48	<62.4	NA	NA
		11/13/19	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<8.9	<45	<58.7	NA	NA
		3/26/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.9	<50	<64.8	NA	<60
		5/20/20	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.1	<46	<60	NA	NA
		8/27/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.9	<49	<63.8	NA	<7.5
		11/17/20	1 - 2	**0.013**	**0.010**	<0.0042	**0.015**	**0.038**	<3.8	<2.8	<48	<54.6	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 8	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**33.4**
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.6	<15.6	<15.6	<15.6	NA	**49.9**
		12/1/10	1 - 2	<0.0109	<0.0218	<0.0109	<0.0218	<0.0218	<16.3	<16.3	<16.3	<16.3	NA	**27.6**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**95.3**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**12.9**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**23.8**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**6.76**
		5/23/13	1 - 2	<0.000994	<0.00199	<0.000994	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	NA	**43.4**
		11/14/13	1 - 2	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.6	<16.6	<16.6	<16.6	NA	**27.7**
	G2	12/16/09	1 - 2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NS
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**33.4**
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**12.3**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**20.3**
		11/28/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**16.1**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**7.87**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**25.4**
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	NA	**23.9**
		11/14/13	1 - 2	<0.00107	<0.00215	<0.00107	<0.00215	<0.00215	<16.2	<16.2	<16.2	<16.2	NA	**27.0**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**78.9**	**39.4**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**139**	**27.3**
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**13.5**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	**37.0**	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	NA	<10.0	NA
		11/17/15	1 - 2	<0.054	<0.054	<0.054	<0.11	<0.272	NA	NA	NA	NA	NA	<20.0	**39**
		2/16/16	1 - 2	<0.024	<0.024	<0.024	<0.049	<0.121	NA	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	NA	NA	NA	NA	NA	<19	**76**
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.7	<49	<63.7	NA	<30
		2/24/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.5	<48	<62.3	NA	NA
		6/1/17	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.3	<46	<60.0	NA	<30
		9/21/17	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.3	<46	<60.2	NA	NA
		11/27/17	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.6	<48	<62.3	NA	<30
		2/26/18	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.6	<48	<62.2	NA	NA
		5/30/18	1 - 2	<0.018	<0.036	<0.036	<0.071	<0.161	<3.6	<10	<50	<63.6	NA	<30
		8/21/18	2 - 3	<0.026	<0.053	<0.053	<0.11	<0.242	<5.3	<10	<52	<67.3	NA	NA
		11/15/18	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<10	<50	<64.9	NA	<30
		3/15/19	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.8	<49	<63.5	<20	NA
		5/29/19	1 - 2	<0.026	<0.053	<0.053	<0.11	<0.242	<5.3	<11	<55	<71.3	NA	<1.7
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.5	<47	<61.3	NA	NA
		11/13/19	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.5	<47	<61.3	NA	NA
		3/26/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.4	<47	<61.3	NA	<60
		5/21/20	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.3	<47	<61.2	NA	NA
		8/27/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.2	<46	<60.1	NA	<7.5
		11/17/20	1 - 2	<0.0087	<0.0023	<0.0040	<0.011	<0.026	<3.7	**4.2**	<48	**4.2**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 9	G1	12/16/09	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.8	<17.8	<17.8	<17.8	NA	**9.3**
		6/15/10	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	<4.89
		12/1/10	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.5	<17.5	<17.5	<17.5	NA	<9.77
		6/14/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	**43.5**
		11/28/11	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	<4.89
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**9.65**
		10/30/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.6	<17.6	<17.6	<17.6	NA	**6.64**
		5/23/13	1 - 2	<0.000990	<0.00198	<0.000990	<0.00198	<0.00198	<16.8	<16.8	<16.8	<16.8	NA	**10.2**
		11/15/13	1 - 2	<0.00120	<0.00239	<0.00120	<0.00239	<0.00239	<17.9	<17.9	<17.9	<17.9	NA	**12.0**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**5.13**
		6/15/10	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	<4.81
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.2	<16.2	<16.2	<16.2	NA	**18.3**
		6/14/11	1 - 2	<0.0012	<0.0024	<0.0012	<0.0024	<0.0024	<17.5	<17.5	<17.5	<17.5	NA	**8.50**
		11/28/11	1 - 2	<0.0012	<0.0024	<0.0012	<0.0024	<0.0024	<18.1	<18.1	<18.1	<18.1	NA	**6.66**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**7.42**
		10/30/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0024	<0.0024	<18.0	<18.0	<18.0	<18.0	NA	**13.0**
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<18.2	<18.2	<18.2	<18.2	NA	**54.0**
		11/15/13	1 - 2	<0.00111	<0.00221	<0.00111	<0.00221	<0.00221	<16.6	<16.6	<16.6	<16.6	NA	**31.0**
	G3	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**10.7**
		6/15/10	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	<4.75
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**9.9**
		6/14/11	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	**23.2**
		11/28/11	1 - 2	<0.0012	<0.0024	<0.0012	<0.0024	<0.0024	<17.7	<17.7	<17.7	<17.7	NA	**22.6**
		6/14/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.7	<17.7	<17.7	<17.7	NA	**23.5**
		10/31/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.5	<17.5	<17.5	<17.5	NA	**20.8**
		5/23/13	1 - 2	<0.00100	<0.00201	<0.00100	<0.00201	<0.00201	<18.3	<18.3	<18.3	<18.3	NA	**60.3**
		11/15/13	1 - 2	<0.00119	<0.00239	<0.00119	<0.00239	<0.00239	<17.9	<17.9	<17.9	<17.9	NA	**33.4**
	G4	12/16/09	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	**19.9**
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.4	<15.4	<15.4	<15.4	NA	<4.33
		12/1/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.5	<15.5	<15.5	<15.5	NA	**10.1**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.6	<15.6	<15.6	<15.6	NA	**16.5**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**7.62**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	**10.7**
		10/30/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.4	<17.4	<17.4	<17.4	NA	**15.0**
		5/23/13	1 - 2	<0.00100	<0.00201	<0.00100	<0.00201	<0.00201	<17.4	<17.4	<17.4	<17.4	NA	**21.5**
		11/15/13	1 - 2	<0.00116	<0.00233	<0.00116	<0.00233	<0.00233	<17.5	<17.5	<17.5	<17.5	NA	**25.8**
	G5	12/16/09	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.1	<17.1	<17.1	<17.1	NA	**27.5**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	<4.49
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**4.7**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**7.22**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**5.56**
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**9.32**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**9.63**
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.3	<16.3	<16.3	<16.3	NA	**5.20**
		11/15/13	1 - 2	<0.00111	<0.00222	<0.00111	<0.00222	<0.00222	<16.6	<16.6	<16.6	<16.6	NA	**15.8**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**37.3**	**27.4**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**277.0**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/24/15	1 - 2	<0.059	<0.059	<0.059	<0.12	<0.297	NA	NA	NA	NA	<19.0	<1.8
		2/16/16	1 - 2	<0.024	<0.024	<0.024	<0.04	<0.119	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	NA	NA	NA	NA	<19	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.7	<49	<63.3	NA	<30
		2/24/17	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.7	<48	<62.6	NA	NA
		6/1/17	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.8	<49	<63.6	NA	<30
		9/21/17	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	<9.8	<49	<63.4	NA	NA
		11/27/17	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.7	<49	<63.5	NA	<30
		2/26/18	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.1	<46	<59.7	NA	NA
		5/30/18	1 - 2	<0.018	<0.036	<0.036	<0.073	<0.163	<3.6	<9.9	<50	<63.5	NA	<30
		8/21/18	2 - 3	<0.026	<0.053	<0.053	<0.11	<0.242	<5.3	<10	<51	<66.3	NA	NA
		11/15/18	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<10	<50	<64.8	NA	<30
		3/15/19	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.5	<48	<62.4	<19	NA
		5/29/19	1 - 2	<0.028	<0.056	<0.056	<0.11	<0.250	<5.6	<11	<57	<73.6	NA	<1.7
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<10	<50	<64.8	NA	NA
		11/13/19	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.3	<47	<61.0	NA	NA
		3/26/20	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.9	<49	<63.8	NA	<60
		5/21/20	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<10	<50	<64.8	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.9	<50	<64.8	NA	<7.5
		11/17/20	1 - 2	<0.0087	<0.0023	<0.0040	<0.011	<0.026	<3.7	<2.6	**120**	**120**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 10	G1	12/16/09	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**43.9**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**54.7**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**14.7**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**20.9**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.8	<16.8	<16.8	<16.8	NA	**132**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**26.9**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**240**
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.7	<16.7	<16.7	<16.7	NA	**39.3**
		11/15/13	1 - 2	<0.00107	<0.00215	<0.00107	<0.00215	<0.00215	<16.2	<16.2	<16.2	<16.2	NA	**45.5**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**9.7**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**43.3**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**35.3**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	<9.30
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**52.8**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<15.9	<15.9	<15.9	<15.9	NA	**61.3**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**70.4**
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.6	<16.6	<16.6	<16.6	NA	**20.9**
		11/15/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<17.1	<17.1	<17.1	<17.1	NA	**45.5**
	G3	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**173**
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.7	<15.7	<15.7	<15.7	NA	**20.6**
		12/1/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**22.3**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	**19.3**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.1	<16.1	<16.1	<16.1	NA	**22.4**
		6/14/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	**21.6**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	**48.2**
		5/23/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<17.0	<17.0	<17.0	<17.0	NA	**109**
		11/15/13	1 - 2	<0.00101	<0.00201	<0.00101	<0.00201	<0.00201	<16.8	<16.8	<16.8	<16.8	NA	**8.92**
	G4	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	<4.55
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.5	<16.5	<16.5	NA	**5.73**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	<9.25
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<9.36
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**17.6**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0023	<0.0023	<17.0	<17.0	<17.0	<17.0	NA	**20.3**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.9	<16.9	<16.9	<16.9	NA	**51.1**
		5/23/13	1 - 2	<0.000994	<0.00199	<0.000994	<0.00199	<0.00199	<17.7	<17.7	<17.7	<17.7	NA	**16.6**
		11/15/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<16.7	<16.7	<16.7	<16.7	NA	**263**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**93.2**	**69.8**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**238**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**299**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/24/15	1 - 2	<0.057	<0.057	<0.057	<0.11	<0.281	NA	NA	NA	NA	<20.0	**48**
		2/16/16	1 - 2	<0.025	<0.025	<0.025	<0.050	<0.125	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	NA	NA	NA	NA	**48**	<30
		8/31/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.205	<4.6	<10	<50	<64.6	NA	<30
		2/24/17	0	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	**21**	<49	**21**	NA	NA
		3/17/17	1 - 2	NA	NA	NA	NA	NA	<4.9	<9.8	<49	<63.7	NA	NA
		6/1/17	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<10	<50	<64.8	NA	<30
		9/21/17	1 - 2	<0.025	<0.050	<0.0.50	<0.10	<0.225	<5.0	<10	<50	<65.0	NA	NA
		11/27/17	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<10	<50	<64.7	NA	<30
		2/26/18	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.9	<49	<63.6	NA	NA
		5/30/18	1 - 2	<0.017	<0.035	<0.035	<0.069	<0.156	<3.5	<10	<50	<63.5	NA	<30
		8/21/18	2 - 3	<0.026	<0.053	<0.053	<0.11	<0.242	<5.3	<10	<52	<67.3	NA	NA
		11/15/18	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.9	<49	<63.9	NA	<30
		3/15/19	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.6	<48	<62.5	<19	NA
		5/29/19	1 - 2	<0.028	<0.055	<0.055	<0.11	<0.248	<5.5	<11	<57	<73.5	NA	<1.7
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.4	47	<61.2	NA	NA
		11/13/19	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<10	<51	<65.9	NA	NA
		3/26/20	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.8	<49	<63.7	NA	<60
		5/21/20	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<8.5	<43	<56.4	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.0	<45	<58.9	NA	<7.5
		11/17/20	1 - 2	<0.0091	<0.0024	<0.0042	<0.012	<0.0277	<3.8	**26**	**140**	**166**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 11	G1	12/16/09	1 - 2	<0.0012	<0.0023	<0.0012	<0.0023	<0.0023	<17.2	<17.1	<17.2	<17.2	NA	<4.83
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**8.67**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.3	<16.3	<16.3	<16.3	NA	**31.1**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**5.13**
		11/28/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	**17.4**
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**11.9**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	<1.10
		5/23/13	1 - 2	<0.000996	<0.00199	<0.000996	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	NA	**4.90**
		11/15/13	1 - 2	<0.000998	<0.00200	<0.000998	<0.00200	<0.00200	<16.8	<16.8	<16.8	<16.8	NA	**226**
	G2	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**9.78**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**15.6**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.5	<16.5	<16.5	NA	**24.7**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**19.0**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.6	<16.6	<16.6	<16.6	NA	**64.0**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<16.3	<16.3	<16.3	<16.3	NA	**50.5**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**8.84**
		5/23/13	1 - 2	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	NA	**12.6**
		11/15/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	NA	**120**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**142**	**29.7**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**316**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**13.5**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/24/15	1 - 2	<0.055	<0.055	<0.055	<0.11	<0.275	NA	NA	NA	NA	<19.0	<1.7
		2/17/16	1 - 2	<0.025	<0.025	<0.025	<0.049	<0.124	NA	NA	NA	NA	**70**	NA
		5/17/16	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	NA	NA	NA	NA	<19	<30
		9/1/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.6	<48	<62.3	NA	<30
		2/24/17	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.3	<46	<60.0	NA	NA
		6/1/17	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.9	<49	<63.8	NA	<30
		9/21/17	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.4	<47	<61.3	NA	NA
		11/27/17	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.4	<47	<61.1	NA	<30
		2/27/18	1 - 2	<0.025	<0.050	<0.0.50	<0.099	<0.224	<5.0	<9.7	<49	<63.7	NA	NA
		5/30/18	1 - 2	<0.017	<0.033	<0.033	<0.066	<0.149	<3.3	<10	<50	<63.3	NA	<30
		8/21/18	2 - 3	<0.026	<0.053	<0.053	<0.11	<0.242	<5.3	<11	<54	<70.3	NA	NA
		11/15/18	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<10	<50	<64.9	NA	<30
		3/15/19	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.7	<48	<62.6	<20	NA
		5/29/19	1 - 2	<0.028	<0.056	<0.056	<0.11	<0.250	<5.6	<11	<56	<72.6	NA	**13**
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<8.9	<45	<58.7	NA	NA
		11/14/19	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<10	<50	<64.9	NA	NA
		3/26/20	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<8.6	<43	<48.4	NA	<60
		5/21/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.0	<45	<58.9	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.6	<48	<62.5	NA	<7.5
		11/17/20	1 - 2	**0.012**	**0.0095**	<0.0041	**0.014**	**0.0355**	<3.7	**3.5**	<48	**3.5**	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 12	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**14.8**
		6/15/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**12.4**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**19.6**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**13.7**
		11/28/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	<4.72
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**6.21**
		10/30/12	1 - 2	<0.0012	<0.0012	<0.0012	<0.0023	<0.0023	<17.0	<17.0	<17.0	<17.0	NA	<1.16
		5/23/13	1 - 2	<0.000994	<0.00199	<0.000994	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	NA	**16.4**
		11/15/13	1 - 2	<0.000998	<0.00200	<0.000998	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	NA	**6.60**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**33.1**	**45.7**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.200	<0.0200	NA	NA	NA	NA	**238**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	**31.6**
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/24/15	1 - 2	<0.056	<0.056	<0.056	<0.11	<0.278	NA	NA	NA	NA	<19.0	<1.7
		2/17/16	1 - 2	<0.023	<0.023	<0.023	<0.046	<0.115	NA	NA	NA	NA	<20	NA
		5/17/16	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.208	NA	NA	NA	NA	<20	<30
		9/1/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.8	<49	<63.4	NA	<30
		2/24/17	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.9	<50	<64.6	NA	NA
		6/1/17	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.4	<47	<61.0	NA	<30
		9/21/17	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.8	<49	<63.5	NA	NA
		11/27/17	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.8	<49	<63.5	NA	<30
		2/27/18	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.7	<48	<62.5	NA	NA
		5/30/18	1 - 2	<0.017	<0.035	<0.035	<0.069	<0.156	<3.5	<10	<50	<63.5	NA	<30
		8/21/18	2 - 3	<0.026	<0.051	<0.051	<0.10	<0.228	<5.1	<10	<51	<66.1	NA	NA
		11/15/18	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.8	<49	<63.7	NA	<30
		3/15/19	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.7	<49	<63.7	<19	NA
		5/29/19	1 - 2	<0.026	<0.053	<0.053	<0.11	<0.242	<5.3	<11	<55	<71.3	NA	<1.7
		8/21/19	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.9	<50	<64.6	NA	NA
		11/14/19	1 - 2	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.8	<49	<63.7	NA	NA
		3/26/20	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.4	<47	<61.2	NA	<60
		5/21/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.5	<48	<62.5	NA	NA
		8/27/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.7	<48	<62.7	NA	<7.5
		11/17/20	1 - 2	<0.0089	<0.0023	<0.0041	<0.011	<0.0263	<3.8	<2.5	<43	<49.3	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 13	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<15.7	<15.7	<15.7	<15.7	NA	**81.4**
		6/15/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**71**
		12/1/10	1 - 2	<0.0010	<0.0021	<0.0010	<0.0021	<0.0021	<15.7	<15.7	<15.7	<15.7	NA	**72.9**
		6/14/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.0	<16.0	<16.0	<16.0	NA	**45.5**
		11/28/11	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**32.4**
		6/14/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0020	<0.0020	<15.5	<15.5	<15.5	<15.5	NA	**43.3**
		10/30/12	1 - 2	<0.0010	<0.0010	<0.0010	<0.0021	<0.0021	<15.8	<15.8	<15.8	<15.8	NA	**30.9**
		5/23/13	1 - 2	<0.000994	<0.00199	<0.000994	<0.00199	<0.00199	<14.9	<14.9	<14.9	<14.9	NA	**55.0**
		11/15/13	1 - 2	<0.00213	<0.00213	<0.00106	<0.00213	<0.00213	<15.9	<15.9	<15.9	<15.9	NA	**11.9**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	<10.0	**37.1**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**197**	**36.6**
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	<4.53	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/24/15	1 - 2	<0.052	<0.052	<0.052	<0.10	<0.256	NA	NA	NA	NA	<19.0	**250**
		2/17/16	1 - 2	<0.023	<0.023	<0.023	<0.047	<0.116	NA	NA	NA	NA	<19	NA
		5/17/16	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	NA	NA	NA	NA	<20	**66**
		9/1/16	1 - 2	Data inconclusive due to laboratory error										
		11/22/16	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.9	<49	<63.5	NA	<30
		2/24/17	0	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	**120**	**130**	**250**	NA	NA
		3/17/17	1 - 2	NA	NA	NA	NA	NA	<4.8	<9.7	<49	<63.5	NA	NA
		6/1/17	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	<9.4	<47	<61.0	NA	<30
		9/21/17	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<10	<51	<65.7	NA	NA
		11/27/17	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.9	<49	<63.8	NA	<30
		2/27/18	1 - 2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.6	<48	<62.4	NA	NA
		5/30/18	1 - 2	<0.016	<0.032	<0.032	<0.064	<0.144	<3.2	<10	<50	<63.2	NA	<30
		8/21/18	2 - 3	<0.026	<0.051	<0.051	<0.10	<0.228	<5.1	<9.9	<49	<64.0	NA	NA
		11/15/18	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.8	<49	<63.7	NA	<30
		3/15/19	1 - 2	<0.024	<0.047	<0.047	<0.094	<0.212	<4.7	<9.8	<49	<63.5	<19	NA
		5/29/19	1 - 2	<0.028	<0.055	<0.055	<0.11	<0.248	<5.5	<11	<56	<72.5	NA	<1.7
		8/21/19	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.9	<50	<64.5	NA	NA
		11/14/19	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.8	<49	<63.5	NA	NA
		3/26/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.6	<48	<62.6	NA	**83**
		5/21/20	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.9	<50	<64.9	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<8.9	<44	<53.8	NA	**30**
		11/17/20	1 - 2	<0.0092	<0.0024	<0.0043	<0.012	<0.0279	<3.9	<3.0	<50	<56.9	NA	NA
VZ Cell 14	G1	12/16/09	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.0	<17.0	<17.0	<17.0	NA	**25.1**
		6/15/10	1 - 2	<0.0013	<0.0027	<0.0013	<0.0027	<0.0027	<20.1	<20.1	<20.1	<20.1	NA	**8.05**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.8	<16.8	<16.8	<16.8	NA	<9.38
		6/14/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	**20.2**
		11/28/11	1 - 2	<0.0011	<0.0023	<0.0011	<0.0023	<0.0023	<17.0	<17.0	<17.0	<17.0	NA	**17.4**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**12.4**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0023	<0.0023	<16.9	<16.9	<16.9	<16.9	NA	**27.2**
		5/23/13	1 - 2	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<14.9	<14.9	<14.9	<14.9	NA	**7.97**
		11/15/13	1 - 2	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.6	<16.6	<16.6	<16.6	NA	**18.6**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**91.9**	**25.2**
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**229.0**	<25.0
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**156**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	**28.1**
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	<10.0	NA
		11/24/15	1 - 2	<0.056	<0.056	<0.056	<0.11	<0.278	NA	NA	NA	NA	<19.0	<1.7
		2/17/16	1 - 2	<0.023	<0.023	<0.023	<0.046	<0.115	NA	NA	NA	NA	<20	NA
		5/17/16	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	NA	NA	NA	NA	<20	<30
		9/1/16	1 - 2	Data inconclusive due to laboratory error										
		11/23/16	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.2	<46	<60.2	NA	<30
		2/24/17	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.4	<47	<61.4	NA	NA
		6/1/17	1 - 2	<0.023	<0.047	<0.047	<0.097	<0.211	<4.7	<9.3	<47	<61.0	NA	<30
		9/21/17	1 - 2	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	<9.6	<48	<62.3	NA	NA
		11/27/17	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.4	<47	<61.3	NA	<30
		2/27/18	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.6	<48	<62.5	NA	NA
		5/30/18	1 - 2	<0.018	<0.035	<0.035	<0.070	<0.158	<3.5	<9.8	<49	<62.3	NA	<30
		8/21/18	2 - 3	<0.029	<0.057	<0.057	<0.11	<0.253	<5.7	<11	<54	<70.7	NA	NA
		11/15/18	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.8	<49	<63.6	NA	<30
		3/15/19	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.8	<49	<63.6	<19	NA
		5/29/19	1 - 2	<0.027	<0.054	<0.054	<0.11	<0.245	<5.4	<11	<57	<73.4	NA	<1.7
		8/21/19	1 - 2	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	<9.9	<49	<63.5	NA	NA
		11/14/19	1 - 2	<0.024	<0.047	<0.047	<0.095	<0.213	<4.7	<9.9	<49	<63.6	NA	NA
		3/26/20	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.6	<48	<62.5	NA	<60
		5/21/20	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<10	<51	<65.9	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.099	<0.222	<4.9	<9.7	<48	<62.6	NA	<7.5
		11/17/20	1 - 2	<0.0091	<0.0024	<0.0042	<0.012	<0.0277	<3.8	9.4	56	66.4	NA	NA

Table 3

Table 3 Vadose Zone Soil Analytical Data Summary – BTEX, TPH, and Chloride
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Location	Sample Date	Sample Depth (feet below TZ)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (C6 to C12) (mg/kg)	TPH-DRO (>C12 to C28) (mg/kg)	TPH-ORO (>C28 to C35) (mg/kg)	Total TPH (>C6 to C35) (mg/kg)	TRPH (mg/kg)	Chloride (mg/kg)
VZ Cell 15	G1	12/16/09	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**17**
		6/15/10	1 - 2	<0.0011	<0.0021	<0.0011	<0.0021	<0.0021	<16.1	<16.1	<16.1	<16.1	NA	**28**
		12/1/10	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.5	<16.6	<16.7	<16.8	NA	**10.6**
		6/14/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.7	<16.7	<16.7	<16.7	NA	**99.7**
		11/28/11	1 - 2	<0.0011	<0.0022	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**7.72**
		6/14/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.2	<16.2	<16.2	<16.2	NA	**18.7**
		10/30/12	1 - 2	<0.0011	<0.0011	<0.0011	<0.0022	<0.0022	<16.4	<16.4	<16.4	<16.4	NA	**8.25**
		5/23/13	1 - 2	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<14.9	<14.9	<14.9	<14.9	NA	**21.4**
		11/15/13	1 - 2	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	NA	**18.0**
	VS	8/6/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**382**	<25.0
		11/11/14	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	NA	NA	NA	NA	**319**	**40.5**
		2/26/15	1 - 2	<0.00347	<0.00355	<0.00366	<0.00349	<0.00366	NA	NA	NA	NA	**118**	NA
		5/28/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	< 0.0800	NA	NA	NA	NA	<10.0	<25.0
		8/11/15	1 - 2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0800	NA	NA	NA	NA	**14.1**	NA
		11/24/15	1 - 2	<0.055	<0.055	<0.055	<0.11	<0.275	NA	NA	NA	NA	**34**	**15**
		2/17/16	1 - 2	<0.024	<0.024	<0.024	<0.047	<0.119	NA	NA	NA	NA	<20	NA
		5/17/16	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	NA	NA	NA	NA	<20	<30
		9/1/16	1 - 2	Data inconclusive due to laboratory error										
		11/23/16	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.7	<48	<62.4	NA	<30
		2/24/17	1 - 2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.6	<48	<62.5	NA	NA
		6/1/17	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.5	<48	<62.5	NA	<30
		9/21/17	1 - 2	<0.023	<0.046	<0.046	<0.092	<0.207	<4.6	<9.3	<46	<59.9	NA	NA
		11/27/17	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.9	<50	<64.8	NA	<30
		2/27/18	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.8	<49	<63.7	NA	NA
		5/30/18	1 - 2	<0.016	<0.032	<0.032	<0.065	<0.145	<3.2	<10	<50	<63.2	NA	<30
		8/21/18	2 - 3	<0.027	<0.055	<0.055	<0.11	<0.247	<5.5	<11	<56	<72.5	NA	NA
		11/15/18	1 - 2	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.7	<49	<63.7	NA	<30
		3/15/19	1 - 2	<0.027	<0.054	<0.054	<0.11	<0.245	<5.4	<9.6	<48	<63	<19	NA
		5/29/19	1 - 2	<0.032	<0.065	<0.065	<0.13	<0.292	<6.5	<13	<67	<86.5	NA	**42**
		8/21/19	1 - 2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.3	<46	<60.1	NA	NA
		11/14/19	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.3	<46	<60.4	NA	NA
		3/26/20	1 - 2	<0.023	<0.047	<0.047	<0.093	<0.210	<4.7	<9.3	<46	<60.0	NA	<60
		5/21/20	1 - 2	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.1	<46	<60.1	NA	NA
		8/27/20	1 - 2	<0.025	<0.049	<0.049	<0.098	<0.221	<4.9	<9.9	<50	<64.8	NA	<7.5
		11/17/20	1 - 2	<0.0087	<0.0022	<0.0040	<0.11	<0.0259	<3.7	**42**	**96**	**138**	NA	NA

Notes:

VZ = Vadose Zone
VS = Vadose Sample
TZ = Treatment Zone
mg/kg = milligrams per kilogram
TRPH = Total Recoverable Petroleum Hydrocarbons
BTEX = Benzene + Toluene + Ethylbenzene + Xylenes
NA = Not Analyzed
NE = Niot Established
NS = Not Sampled
PQL = the practical quantitation limit and is equivilent to the laboratory reporting limit for a specific sample during a particular event. PQLs vary over time.
Total Xylene, Total BTEX, and Total TPH non-detect values prior to May 2015 are not a sum of the constiuents
Concentrations in **Bold** exceed either the background value or PQL
The establishment of background concentrations is currently in discussion with the NMOCD. These concentrations may change.

Table 4
Vadose Zone Soil Analytical Data Summary – Annual WQCC Metals and Sulfate
Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Sample Date	Sample Depth (feet below TZ)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Manganese (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Uranium (mg/kg)	Zinc (mg/kg)	Sulfate (mg/kg)
VZ Cell 1	11/14/13	1 - 2	2.79	133	<1.03	6.80	2.21	4,940	2.83	67.2	0.0274	<3.10	<2.07	NA	13.2	234
	11/17/15	1 - 2	<2.9	130	<0.11	5.9	2.6	7,900	1.6	83	<0.038	<2.9	<0.29	NA	14	320
	11/21/16	1 - 2	<2.5	44	<0.099	5.8	2.2	6,200	1.0	60	<0.034	<2.5	<0.25	<5.0	13	NA
	11/27/17	1 - 2	8.3	64	<0.096	8.6	2.1	8,500	<0.24	65	<0.031	<2.4	<0.24	<4.8	17	100
	11/14/18	1 - 2	2.9	36	<0.096	6.9	0.31	9,100	<0.24	36	<0.033	<2.4	<0.24	<4.8	16	200
	5/29/19	1 - 2	<5.2	110	<0.21	5.2	2.2	5,300	0.82	50	<0.055	<5.2	<0.52	<10	11	92
	8/21/19	2 - 3	<4.9	150	<0.20	5.3	2.2	5,100	1.1	53	<0.0525	<4.9	0.59	<9.8	10	NA
	11/13/19	1 - 2	7.5	100	<0.21	7.8	1.3	9,200	0.80	49	<0.053	<5.2	<0.52	<10	15	NA
	11/13/19	1 - 2	<5.0	76	<0.20	6.7	2.1	5,800	2.1	64	<0.0525	<5.0	<0.50	<9.9	13	NA
	3/26/20	1 - 2	17	3	<0.20	9.3	1.2	9,800	<0.59	250	<0.0666	<4.9	<0.49	<9.8	21	NA
VZ Cell 2	11/14/13	1 - 2	<2.21	87.2	<1.10	6.84	3.87	5,760	2.54	66.4	0.0225	<3.31	<2.21	NA	16.4	133
	11/17/15	1 - 2	6.7	61	<0.11	10	1.0	9,900	0.73	53	<0.036	<2.9	<0.29	NA	22	350
	11/21/16	1 - 2	<2.4	55	<0.097	6.1	2.7	6,500	1.8	60	<0.031	<2.4	<0.24	<4.9	14	NA
	11/27/17	1 - 2	3.7	100	<0.098	9.2	2.8	9,600	<0.25	60	<0.031	5.4	<0.25	<4.9	19	<30
	1/14/18	1 - 2	7.2	46	<0.096	7.5	0.89	8,500	<0.24	46	<0.033	<2.4	<0.24	<4.8	16	<30
	5/29/19	1 - 2	<5.6	82	<0.22	9.5	1.8	9,900	1.2	50	<0.055	<5.6	<0.56	<11	22	6.3
	8/21/19	2 - 3	<4.9	53	<0.20	9.9	1.4	9,400	0.81	42	<0.0515	<4.9	<0.49	<9.9	21	NA
	11/13/19	1 - 2	<5.2	79	<0.21	6.3	1.5	6,400	0.97	43	<0.0555	<5.2	<0.52	<10	11	NA
	11/13/19	1 - 2	<5.0	68	<0.20	5.3	1.0	5400	1.3	43	<0.0535	<5.0	<0.50	<10	10	NA
	3/26/20	1 - 2	<5.0	87	<0.20	8.5	2.4	6100	0.6	63	<0.0663	<5.0	<0.50	<10	13	NA
VZ Cell 3	11/14/13	1 - 2	7.28	39.8	<1.06	8.30	<2.12	7,270	3.67	40.4	0.0192	<3.18	<2.12	NA	17.0	173
	11/17/15	1 - 2	16	98	<0.11	10	1.5	10,000	0.67	55	<0.037	<2.8	<0.28	NA	21	45
	11/21/16	1 - 2	3.0	54	<0.099	5.5	1.7	5,600	1.1	42	0.032	<2.5	<0.25	<5.0	11	NA
	1/4/18	1 - 2	<2.4	69	<0.097	6.6	2.1	6,600	0.26	39	<0.033	<2.4	<0.24	<4.9	13	NA
	11/15/18	2 - 3	<2.5	53	<0.098	5.1	<0.29	5,200	0.79	22	<0.032	<2.5	<0.25	<4.9	9.5	130
	5/29/19	1 - 2	11	61	<0.22	13	1.8	13,000	<0.56	160	<0.055	<0.56	<0.56	<11	29	40
	8/21/19	1 - 2	<4.8	37	<0.19	7.6	1.1	8,000	1.2	38	<0.054	<4.8	<0.48	<9.6	17	NA
	11/13/19	1 - 2	<5.1	22	<0.20	6.2	<0.60	5,700	0.96	27	<0.0535	<5.1	<0.51	<10	10	NA
	11/13/19	1 - 2	5.3	51	<0.20	10	2.0	11,000	1.4	120	<0.054	<4.9	<0.49	<9.8	19	NA
	3/26/20	1 - 2	5.6	55	<0.20	5.9	<0.78	6,000	0.70	29	<0.0584	<4.9	<0.49	<9.8	12	NA
VZ Cell 4	11/14/13	1 - 2	5.99	155	<1.14	6.13	3.98	4,490	2.57	55.0	<0.0235	<3.42	<2.28	NA	14.6	156
	11/17/15	1 - 2	6.6	140	<0.12	5.5	1.9	4,600	0.99	65	<0.038	<2.9	<0.29	NA	11	130
	11/22/16	1 - 2	<2.5	31	<0.099	4.6	2.4	4,700	1.5	55	<0.032	<2.5	<0.25	<4.9	10	NA
	11/27/17	1 - 2	<2.4	46	<0.096	4.7	2.7	4,300	2.0	53	<0.032	2.8	<0.24	<4.8	11	120
	1/4/18	1 - 2	<2.5	78	<0.099	5.1	2.3	5,300	<0.25	43	<0.031	<2.5	<0.25	<5.0	10	NA
	7/23/18	2 - 3	<2.5	90	<0.099	5.7	2.8	6,000	0.38	50	<0.033	<2.5	<0.25	NA	11	NA
	11/15/18	2 - 3	<2.4	70	<0.098	4.2	1.3	4,400	0.58	33	<0.032	<2.4	<0.24	<4.9	7.8	<30
	5/29/19	1 - 2	<5.5	98	<0.22	8.0	1.5	8,200	0.63	47	<0.055	<5.5	<0.55	<11	17	19
	8/21/19	1 - 2	<4.9	44	<0.20	5.9	0.93	5,100	1.6	34	<0.053	<4.9	<0.49	<9.9	13	NA
	11/13/19	1 - 2	<5.0	47	<0.20	7.6	0.96	6,800	0.86	34	<0.0535	<5.0	<0.50	<9.9	14	NA
	11/13/19	1 - 2	<5.0	64	<0.20	6.7	1.6	5,600	2.1	45	<0.0545	<5.0	<0.50	<10	12	NA
	3/26/20	1 - 2	<4.9	63	<0.20	6.5	<0.79	6,100	<0.59	41	<0.0616	<4.9	<0.49	<9.9	14	NA
VZ Cell 5	11/14/13	1 - 2	4.02	50.3	<1.10	7.15	2.39	6,630	4.11	46.5	<0.00963	<3.29	<2.20	NA	16.3	221
	11/17/15	1 - 2	<2.8	69	<0.11	8.0	1.4	7,800	1.3	42	<0.036	<2.8	<0.28	NA	18	24
	11/22/16	1 - 2	<2.5	35	<0.10	5.8	3.0	5,600	2.3	55	0.034	<2.5	<0.25	<5.0	14	NA
	11/27/17	1 - 2	<2.5	44	<0.098	6.4	2.3	7,300	0.46	47	<0.032	<2.5	<0.25	<4.9	16	<30
	11/15/18	1 - 2	<2.5	38	<0.098	6.4	1.8	8,000	0.63	49	<0.033	<2.5	<0.25	<4.9	17	<30
	5/29/19	1 - 2	<5.5	120	<0.22	9.4	2.1	9,500	<0.55	52	<0.055	<5.5	<0.55	<11	22	31
	8/21/19	1 - 2	<5.0	90	<0.20	7.8	2.5	8,000	2.3	51	<0.052	<5.0	<0.50	<10	21	NA
	11/13/19	1 - 2	<5.0	55	<0.20	9.8	1.4	9,700	1.2	50	<0.053	<5.0	<0.50	<10	19	NA
	11/13/19	1 - 2	<5.0	61	<0.20	6.9	1.0	7,400	2.0	34	<0.0545	<5.0	<0.50	<10	13	NA
	3/26/20	1 - 2	<5.0	51	<0.20	8.1	3.0	5,900	3.8	53	0.0908	<5.0	<0.50	<10	24	NA

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Jal No. 4 Landfarm
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Sample Location	Sample Date	Sample Depth (feet below TZ)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Manganese (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Uranium (mg/kg)	Zinc (mg/kg)	Sulfate (mg/kg)
VZ Cell 6	11/14/13	1 - 2	2.21	43.3	<1.04	4.95	3.32	4,530	3.13	54.7	<0.00945	<3.11	<2.07	NA	12.1	9.35
	11/17/15	1 - 2	<2.8	71	<0.11	5.8	2.1	5,700	1.6	55	<0.036	<2.8	<0.28	NA	15	300
	11/22/16	1 - 2	<2.5	52	<0.10	4.7	2.0	4,600	1.1	41	<0.033	<2.5	<0.25	<5.0	9.2	NA
	11/27/17	1 - 2	<2.5	41	<0.099	5.7	2.5	5,800	1.1	61	<0.033	<2.5	<0.25	<4.9	14	<30
	11/15/18	1 - 2	<2.5	52	<0.10	6.4	1.2	8,000	<0.25	37	<0.032	<2.5	<0.25	<5.0	16	160
	5/29/19	1 - 2	<5.4	100	<0.22	6.8	2.1	6,500	1.1	53	<0.055	<5.4	<0.54	<11	15	190
	8/21/19	1 - 2	18	140	<0.19	14	2.1	16,000	<0.48	83	<0.0555	<4.8	<0.48	<9.6	34	NA
	11/13/19	1 - 2	5.5	55	<0.20	8.0	1.0	8,600	0.88	42	<0.0515	<5.1	<0.51	<10	15	NA
	11/13/19	1 - 2	<5.0	51	<0.20	8.4	0.77	9,100	0.97	45	<0.0535	<5.0	<0.50	<9.9	17	NA
	3/26/20	1 - 2	<4.8	130	<0.19	5.2	1.4	4,700	0.90	37	<0.06	<4.8	0.58	<9.7	10	<59
VZ Cell 7	11/14/13	1 - 2	2.26	57.2	<1.11	8.28	<2.22	7,250	3.84	42.1	<0.0111	<3.33	<2.22	NA	16.8	57.7
	11/17/15	1 - 2	<2.8	58	<0.11	11	0.88	11,000	0.80	55	<0.036	<2.8	<0.28	NA	25	130
	11/22/16	1 - 2	<2.5	65	<0.10	5.2	3.0	5,400	1.1	66	<0.034	<2.5	<0.25	<5.0	12	NA
	11/27/17	1 - 2	3.3	79	<0.098	8.8	2.3	9,100	<0.25	62	<0.033	3.7	<0.25	<4.9	19	75
	11/15/18	1 - 2	<2.5	25	<0.099	3.6	<0.30	4,400	0.94	15	<0.033	<2.5	<0.25	<4.9	6.5	<30
	5/29/19	1 - 2	<5.4	85	<0.22	8.5	0.83	8,600	1.6	41	<0.055	<5.4	<0.54	<11	18	80
	8/21/19	1 - 2	<4.8	77	<0.19	6.9	1.6	5,800	1.1	41	<0.05	<4.8	<0.48	<9.6	14	NA
	11/13/19	1 - 2	<5.1	300	<0.21	6.2	3.4	6,400	0.77	80	<0.0605	<5.1	0.66	<10	12	NA
	11/13/19	1 - 2	<5.0	27	<0.20	7.9	0.89	8,300	0.98	44	<0.053	<5.0	<0.50	<9.9	16	NA
	3/26/20	1 - 2	<5.1	75	<0.20	6.2	1.2	5,700	0.84	48	<0.0609	<5.1	<0.51	<10	13	NA
VZ Cell 8	11/14/13	1 - 2	<2.13	129	<1.07	5.83	2.60	4,520	3.45	51.3	<0.00893	<3.20	<2.13	NA	12.5	84.6
	11/17/15	1 - 2	<2.8	72	<0.11	7.2	0.65	6,700	1.5	36	<0.035	<2.8	<0.28	NA	15	100
	11/22/16	1 - 2	3.2	140	<0.096	4.4	2.3	4,300	0.59	57	<0.032	<2.4	<0.24	<4.8	9.0	NA
	11/27/17	1 - 2	<2.5	74	<0.10	9.0	1.6	9,200	<0.25	49	<0.032	<2.5	<0.25	<5.0	20	<30
	11/15/18	1 - 2	3.5	160	<0.097	7.8	0.86	9,400	<0.24	43	<0.032	<2.4	<0.24	<5.0	17	50
	5/29/19	1 - 2	<5.5	130	<0.22	5.3	2.0	5100	1.1	51	<0.055	<5.5	<0.55	<11	13	16
	8/21/19	1 - 2	<4.8	69	<0.19	5.3	1.4	4500	1.5	35	<0.052	<4.8	<0.48	<9.6	10	NA
	11/13/19	1 - 2	<5.1	220	<0.21	6.4	1.5	4900	1.2	51	<0.0565	<5.1	<0.51	<10	9.6	NA
	11/13/19	1 - 2	<5.0	86	<0.20	5.1	<0.59	5400	1.3	31	<0.0525	<5.0	<0.50	<9.9	9.7	NA
	3/26/20	1 - 2	<4.9	110	<0.19	7.2	<0.78	7600	<0.58	46	<0.0553	<4.9	<0.49	<9.7	14	NA
VZ Cell 9	11/15/13	1 - 2	3.35	178	<1.14	6.78	4.95	5,640	4.02	107	<0.0100	<3.43	<2.29	NA	21.0	365
	11/24/15	1 - 2	4.2	220	<0.12	6.0	2.2	5,900	0.56	97	<0.040	<3.0	<0.30	NA	14	410
	11/22/16	1 - 2	<2.5	45	<0.099	4.7	2.4	4,800	1.1	60	<0.032	<2.5	<0.25	<4.9	10	NA
	11/27/17	1 - 2	<2.4	110	<0.096	4.4	2.2	4,000	<0.24	64	<0.031	7.7	0.51	<0.48	7.5	160
	11/15/18	1 - 2	<2.5	36	<0.10	5.0	0.51	5,300	0.51	25	<0.033	<2.5	<0.25	<5.0	12	100
	5/29/19	1 - 2	<5.8	200	<0.23	6.0	2.5	6,000	<0.58	99	<0.055	<5.8	0.89	<12	15	250
	8/21/19	1 - 2	<4.9	81	<0.20	5.0	1.8	5,000	0.72	46	<0.0545	<4.9	<0.49	<9.8	11	NA
	11/13/19	1 - 2	<5.0	72	<0.20	6.6	<0.59	6,200	1.3	31	<0.053	<5.0	<0.50	<10	11	NA
	11/13/19	1 - 2	<5.2	61	<0.21	4.6	0.64	4,200	2.0	28	<0.053	<5.2	<0.52	<10	8.2	NA
	3/26/20	1 - 2	<4.9	94	<0.19	8.1	<0.78	8,300	<0.58	37	<0.0591	<4.9	<0.49	<'9.7	17	NA
VZ Cell 10	11/15/13	1 - 2	<1.97	47.4	<0.983	4.95	<1.97	4,300	2.31	45.7	<0.0104	<2.95	<1.97	NA	11.0	220
	11/24/15	1 - 2	5.7	150	<0.11	5.8	3.2	5,400	0.96	62	<0.037	<2.8	<0.28	NA	14	270
	11/22/16	1 - 2	<2.5	45	<0.099	4.6	1.8	4,800	1.8	53	<0.031	<2.5	<0.25	<4.9	12	NA
	11/27/17	1 - 2	4.6	150	<0.096	4.6	3.6	4,300	<0.24	61	<0.031	8.7	0.30	<4.8	9.8	<30
	11/15/18	1 - 2	<2.5	91	<0.098	7.5	0.63	9,000	<0.25	38	<0.033	<2.5	<0.25	<4.8	17	<30
	5/29/19	1 - 2	<5.7	99	<0.23	5.6	2.1	5,700	1.3	90	<0.055	<5.7	<0.57	<11	13	170
	8/21/19	1 - 2	<4.8	81	<0.19	6.6	2.3	6,400	2.2	57	<0.052	<4.8	<0.48	<9.7	16	NA
	11/13/19	1 - 2	<4.9	92	<0.20	5.9	3.1	5700	0.89	70	<0.0565	<4.9	<0.49	<9.9	12	NA
	11/13/19	1 - 2	<5.1	90	<0.21	7.0	1.2	8,000	<0.51	42	<0.0545	<5.1	<0.51	<10	15	NA
	3/26/20	1 - 2	<5.2	130	<0.21	5.4	2.3	5,400	<0.62	49	<0.0618	<5.2	<0.52	<10	12	NA

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Jal No. 4 Landfarm
ETC Texas Pipeline Ltd., Limited Partnership

Sample Location	Sample Date	Sample Depth (feet below TZ)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Manganese (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Uranium (mg/kg)	Zinc (mg/kg)	Sulfate (mg/kg)
VZ Cell 11	11/15/13	1 - 2	<2.24	75.1	<1.12	6.02	2.31	5,290	3.32	54.0	<0.0112	<3.37	<2.24	NA	13.8	152
	11/24/15	1 - 2	9.6	83	<0.11	10	1.6	11,000	1.1	55	<0.036	<2.8	<0.28	NA	23	240
	11/22/16	1 - 2	2.6	66	<0.098	4.8	1.5	4,600	0.84	41	<0.034	<2.4	<0.24	<4.9	9.4	NA
	11/27/17	1 - 2	<2.4	71	<0.097	7.7	1.3	8,300	<0.24	47	<0.032	3.0	<0.24	<4.9	17	82
	11/15/18	1 - 2	6.4	69	<0.099	5.7	1.1	7,000	<0.25	39	<0.033	<2.5	<0.25	<5.0	13	140
	5/29/19	1 - 2	7.8	56	<0.22	9.5	2.2	10,000	<0.56	68	<0.055	<5.6	<0.56	<11	21	270
	8/21/19	1 - 2	7.1	45	<0.19	7.4	1.6	8,000	1.4	45	<0.0525	<4.8	<0.48	<9.6	18	NA
	11/14/19	1 - 2	<5.1	130	<0.20	12	2.5	12,000	<0.51	66	<0.0535	<5.1	<0.51	<10	27	NA
	11/14/19	1 - 2	<5.1	56	<0.21	6.8	1.4	8,000	1.5	37	<0.052	<5.1	<0.51	<10	14	NA
	3/26/20	1 - 2	<4.9	80	<0.20	7.1	<0.79	7,100	0.64	34	<0.0645	<4.9	<0.49	<9.8	14	NA
VZ Cell 12	11/15/13	1 - 2	2.76	53.0	<1.04	5.24	<2.07	4,500	2.57	36.1	<0.0106	<3.11	<2.07	NA	9.98	156
	11/24/15	1 - 2	8.4	110	<0.11	11	1.9	11,000	0.74	65	<0.037	<2.8	<0.28	NA	24	350
	11/22/16	1 - 2	4.3	92	<0.097	5.6	3.8	5,600	0.83	54	<0.032	<2.4	<0.24	<4.9	12	NA
	11/27/17	1 - 2	12	77	<0.099	11	3.3	12,000	<0.25	130	<0.033	<2.5	<0.25	<4.9	24	530
	11/15/18	1 - 2	<2.5	35	<0.099	8.1	3.8	10,000	<0.25	46	<0.032	<2.5	<0.25	<4.9	20	370
	5/29/19	1 - 2	13	60	<0.22	8.9	1.4	10,000	1.4	210	<0.055	<5.5	<0.55	<11	20	72
	8/21/19	1 - 2	6.3	70	<0.20	11	2.6	11,000	<0.49	53	<0.0535	<4.9	<0.49	<9.8	26	NA
	11/14/19	1 - 2	<4.8	39	<0.19	9.3	1.6	11,000	0.77	70	<0.0535	<4.8	<0.48	<9.7	20	NA
	11/14/19	1 - 2	<5.0	32	<0.20	9.3	1.5	9,800	0.81	42	<0.0535	<5.0	<0.50	<10	19	NA
	3/26/20	1 - 2	12	60	<0.20	9.9	2.6	12,000	<0.60	130	<0.0636	<5.0	<0.50	<10	23	NA
VZ Cell 13	11/15/13	1 - 2	3.33	55.1	<1.07	5.86	<2.14	5,170	3.01	43.2	<0.0107	<3.21	<2.14	NA	12.8	11.3
	11/24/15	1 - 2	<2.7	50	<0.11	5.0	1.9	5,000	1.4	60	<0.035	<2.7	<0.27	NA	12	19
	11/22/16	1 - 2	<2.5	48	<0.099	5.5	2.4	5,600	1.1	58	0.12	<2.5	<0.25	<4.9	12	NA
	11/27/17	1 - 2	<2.4	76	<0.097	5.6	3.3	5,500	0.54	73	<0.031	3.8	<0.24	<4.9	13	<30
	11/15/18	1 - 2	<2.5	48	<0.098	4.0	1.7	4,600	0.88	52	<0.033	<2.5	<0.25	<4.9	11	150
	5/29/19	1 - 2	<5.6	120	<0.22	5.5	3.0	5,800	<0.56	72	<0.055	<5.6	<0.56	<11	14	88
	8/21/19	1 - 2	<4.9	52	<0.19	4.5	2.2	4,700	1.6	64	<0.054	<4.9	<0.49	<9.7	14	NA
	11/14/19	1 - 2	<4.8	73	<0.19	5.4	2.4	6,200	1.0	51	<0.053	<4.8	<0.48	<9.5	11	NA
	11/14/19	1 - 2	<5.0	42	<0.20	4.4	2.5	4,200	0.80	56	<0.0515	<5.0	<0.50	<10	10	NA
	3/26/20	1 - 2	5.8	75	<0.20	10	1.5	11,000	<0.61	77	<0.0628	<5.1	<0.51	<10	23	NA
VZ Cell 14	11/15/13	1 - 2	2.26	90.7	<1.11	8.09	4.44	7,250	4.66	124	<0.0118	<3.33	<2.22	NA	22.8	122
	11/24/15	1 - 2	<2.9	110	<0.12	9.7	5.5	10,000	2.3	170	<0.038	<2.9	<0.29	NA	27	25
	11/23/16	1 - 2	<2.5	51	<0.099	6.6	3.9	7,500	1.5	110	<0.034	<2.5	<0.25	<5.0	17	NA
	11/27/17	1 - 2	<2.4	130	<0.098	5.9	3.9	6,100	<0.24	82	<0.032	8.2	<0.24	<4.9	13	49
	11/15/18	1 - 2	<2.5	130	<0.10	7.5	2.8	9,900	<0.25	110	<0.033	3.7	0.36	<5.0	20	260
	5/29/19	1 - 2	5.9	110	<0.23	11	<0.68	10,000	<0.56	49	<0.055	<5.6	<0.56	<11	23	72
	8/21/19	1 - 2	<4.9	69	<0.20	5.7	1.3	5,300	1.9	40	<0.053	<4.9	<0.49	<9.9	13	NA
	11/14/19	1 - 2	<5.1	95	<0.20	7.2	4.1	7,100	1.3	87	<0.0525	<5.1	<0.51	<10	16	NA
	11/14/19	1 - 2	<5.1	52	<0.21	6.8	1.1	7,100	<0.51	38	<0.053	<5.1	<0.51	<10	14	NA
	3/26/20	1 - 2	<5.0	63	<0.20	7.7	<0.80	7,700	<0.60	40	<0.0623	<5.0	<0.50	<10	16	NA
VZ Cell 15	11/15/13	1 - 2	<1.96	48.8	<0.979	5.34	<1.96	4,710	3.05	48.3	<0.00928	<2.94	<1.96	NA	12.6	371
	11/24/15	1 - 2	<2.8	99	<0.11	8.6	9.8	9,400	2.7	160	<0.038	<2.8	<0.28	NA	26	4100
	11/23/16	1 - 2	<2.5	45	<0.10	5.3	3.0	5,500	1.3	74	<0.032	<2.5	<0.25	<5.0	13	NA
	11/27/17	1 - 2	<2.4	120	<0.097	5.7	3.8	5,600	<0.24	66	<0.031	6.0	<0.24	<4.9	11	940
	11/15/18	1 - 2	<2.4	76	<0.098	6.5	3.6	8,500	0.85	130	<0.033	<2.4	<0.24	<4.9	21	1400
	5/29/19	1 - 2	<6.7	120	<0.27	9.0	16	9,500	2.9	170	<0.055	<6.7	<0.67	<13	27	3900
	8/21/19	1 - 2	<4.8	89	<0.19	5.5	3.6	5,200	0.61	38	<0.054	<4.8	<0.48	<9.7	12	NA
	11/14/19	1 - 2	<5.1	140	<0.20	4.5	3.5	9,900	0.83	55	<0.0565	<5.1	<0.51	<10	9.6	NA
	11/14/19	1 - 2	<5.1	93	<0.20	6.7	3.2	6,600	1.2	100	<0.0555	<5.1	<0.51	<10	16	NA
	3/26/20	1 - 2	<5.0	67	<0.20	6.1	3.3	7,000	0.98	120	<0.0641	<5.0	<0.50	<10	18	NA

Notes:
VZ = Vadose Zone
TZ = Treatment Zone
mg/kg = milligrams per kilogram
NE = Not established. The establishment of background concentrations is currently in discussion with the NMOCD.
PQL = the practical quantitation limit and is equivalent to the laboratory reporting limit for a specific sample during a particular event. PQLs vary over time.

Appendices

Appendix A

Laboratory Analytical Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 20, 2020

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

RE: Jal Landfarm OrderNo.: 2003D30

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 30 sample(s) on 3/31/2020 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T1
Project: Jal Landfarm
Collection Date: 3/26/2020 10:35:00 AM
Lab ID: 2003D30-001 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 1:28:39 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Barium	110	0.20		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Beryllium	0.47	0.30		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Chromium	5.9	0.60		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Copper	1.9	0.80		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Iron	6100	250		mg/Kg	100	4/8/2020 7:59:33 AM	51629
Lead	ND	0.60		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Manganese	60	0.40		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Silver	0.66	0.50		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Zinc	13	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Surr: BFB	98.1	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	22	8.9		mg/Kg	1	4/6/2020 5:47:26 AM	51498
Motor Oil Range Organics (MRO)	57	44		mg/Kg	1	4/6/2020 5:47:26 AM	51498
Surr: DNOP	108	55.1-146		%Rec	1	4/6/2020 5:47:26 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Toluene	ND	0.047		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Surr: 1,2-Dichloroethane-d4	87.3	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
Surr: Toluene-d8	102	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V1
Project: Jal Landfarm
Collection Date: 3/26/2020 10:40:00 AM
Lab ID: 2003D30-002 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 2:05:40 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Arsenic	17	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Barium	83	0.20		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Beryllium	0.66	0.29		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Chromium	9.3	0.59		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Copper	1.2	0.79		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Iron	9800	250		mg/Kg	100	4/8/2020 8:01:08 AM	51629
Lead	ND	0.59		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Manganese	250	0.39		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:27:44 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:22:33 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Zinc	21	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Surr: BFB	99.0	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/4/2020 9:29:13 AM	51498
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 9:29:13 AM	51498
Surr: DNOP	73.8	55.1-146		%Rec	1	4/4/2020 9:29:13 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Toluene	ND	0.049		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Xylenes, Total	ND	0.099		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Surr: 1,2-Dichloroethane-d4	89.8	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
Surr: Toluene-d8	106	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T2
Project: Jal Landfarm
Collection Date: 3/26/2020 11:00:00 AM
Lab ID: 2003D30-003 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 2:18:00 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Barium	260	0.20		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Beryllium	0.59	0.30		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Chromium	8.1	0.60		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Copper	3.6	0.80		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Iron	8300	250		mg/Kg	100	4/8/2020 8:02:35 AM	51629
Lead	ND	0.60		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Manganese	72	0.40		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:29:18 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:23:55 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Zinc	16	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Surr: BFB	96.3	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	23	9.9		mg/Kg	1	4/4/2020 9:51:22 AM	51498
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	4/4/2020 9:51:22 AM	51498
Surr: DNOP	76.3	55.1-146		%Rec	1	4/4/2020 9:51:22 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Xylenes, Total	ND	0.099		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
Surr: Dibromofluoromethane	100	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
Surr: Toluene-d8	103	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V2
Project: Jal Landfarm
Collection Date: 3/26/2020 1:30:00 PM
Lab ID: 2003D30-004 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 2:30:22 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Barium	87	0.20		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Beryllium	0.44	0.30		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Chromium	8.5	0.60		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Copper	2.4	0.80		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Iron	6100	250		mg/Kg	100	4/8/2020 8:04:01 AM	51629
Lead	0.64	0.60		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Manganese	63	0.40		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:30:53 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:25:16 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Zinc	13	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Surr: BFB	99.1	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/4/2020 10:13:17 AM	51498
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 10:13:17 AM	51498
Surr: DNOP	83.5	55.1-146		%Rec	1	4/4/2020 10:13:17 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
Surr: Toluene-d8	108	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T3
Project: Jal Landfarm
Collection Date: 3/26/2020 1:40:00 PM
Lab ID: 2003D30-005 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:07:23 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Arsenic	5.6	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Barium	55	0.20		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Beryllium	0.44	0.29		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Chromium	5.9	0.59		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Copper	ND	0.78		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Iron	6000	250		mg/Kg	100	4/8/2020 8:05:28 AM	51629
Lead	0.70	0.59		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Manganese	29	0.39		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:32:27 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:26:37 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Zinc	12	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Surr: BFB	96.7	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/4/2020 10:35:25 AM	51498
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 10:35:25 AM	51498
Surr: DNOP	72.9	55.1-146		%Rec	1	4/4/2020 10:35:25 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Toluene	ND	0.048		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Xylenes, Total	ND	0.097		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
Surr: Toluene-d8	102	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V3
Project: Jal Landfarm
Collection Date: 3/26/2020 1:45:00 PM
Lab ID: 2003D30-006 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:19:43 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Barium	63	0.20		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Beryllium	0.47	0.30		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Chromium	6.6	0.60		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Copper	1.6	0.79		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Iron	6400	250		mg/Kg	100	4/8/2020 8:06:55 AM	51629
Lead	0.93	0.60		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Manganese	54	0.40		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:34:01 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:27:52 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Uranium	ND	9.9		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Zinc	15	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Surr: BFB	98.8	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	290	92		mg/Kg	10	4/6/2020 12:23:01 PM	51498
Motor Oil Range Organics (MRO)	690	460		mg/Kg	10	4/6/2020 12:23:01 PM	51498
Surr: DNOP	0	55.1-146	S	%Rec	10	4/6/2020 12:23:01 PM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Toluene	ND	0.047		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
Surr: Toluene-d8	111	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T4
Project: Jal Landfarm
Collection Date: 3/26/2020 1:50:00 PM
Lab ID: 2003D30-007 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:32:03 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Barium	66	0.20		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Beryllium	0.45	0.29		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Chromium	5.7	0.59		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Copper	1.3	0.79		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Iron	6000	250		mg/Kg	100	4/8/2020 8:08:23 AM	51629
Lead	ND	0.59		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Manganese	50	0.39		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:35:36 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:29:07 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Zinc	14	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Surr: BFB	102	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	52	9.0		mg/Kg	1	4/4/2020 11:19:40 AM	51498
Motor Oil Range Organics (MRO)	120	45		mg/Kg	1	4/4/2020 11:19:40 AM	51498
Surr: DNOP	83.8	55.1-146		%Rec	1	4/4/2020 11:19:40 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Surr: 1,2-Dichloroethane-d4	92.1	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
Surr: Toluene-d8	107	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-v4
Project: Jal Landfarm
Collection Date: 3/26/2020 1:50:00 PM
Lab ID: 2003D30-008 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:44:23 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Barium	63	0.20		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Beryllium	0.43	0.30		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Chromium	6.5	0.59		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Copper	ND	0.79		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Iron	6100	250		mg/Kg	100	4/8/2020 8:09:50 AM	51629
Lead	ND	0.59		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Manganese	41	0.40		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:44:13 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:30:22 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Uranium	ND	9.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Zinc	14	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Surr: BFB	99.4	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 11:41:36 AM	51498
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 11:41:36 AM	51498
Surr: DNOP	77.2	55.1-146		%Rec	1	4/4/2020 11:41:36 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
Surr: Dibromofluoromethane	97.5	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
Surr: Toluene-d8	106	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T5
Project: Jal Landfarm
Collection Date: 3/26/2020 2:05:00 PM
Lab ID: 2003D30-009 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:56:44 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Arsenic	ND	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Barium	45	0.19		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Beryllium	0.38	0.29		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Cadmium	ND	0.19		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Chromium	6.2	0.58		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Copper	3.5	0.77		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Iron	5000	240		mg/Kg	100	4/8/2020 8:11:17 AM	51629
Lead	3.0	0.58		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Manganese	67	0.39		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Selenium	ND	4.8		mg/Kg	2	4/8/2020 11:45:49 AM	51629
Silver	ND	0.48		mg/Kg	2	4/8/2020 1:31:43 PM	51629
Thallium	ND	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Zinc	21	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Surr: BFB	98.1	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	4/4/2020 12:03:45 PM	51498
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	4/4/2020 12:03:45 PM	51498
Surr: DNOP	79.1	55.1-146		%Rec	1	4/4/2020 12:03:45 PM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Toluene	ND	0.048		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Xylenes, Total	ND	0.097		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Surr: 1,2-Dichloroethane-d4	94.7	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
Surr: Toluene-d8	100	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V5
Project: Jal Landfarm
Collection Date: 3/26/2020 2:00:00 PM
Lab ID: 2003D30-010 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 4:09:05 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Barium	51	0.20		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Beryllium	0.42	0.30		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Chromium	8.1	0.60		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Copper	3.0	0.80		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Iron	5900	250		mg/Kg	100	4/8/2020 8:12:44 AM	51629
Lead	3.8	0.60		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Manganese	53	0.40		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:47:22 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:32:58 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Zinc	24	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Surr: BFB	96.7	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 12:25:49 PM	51498
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 12:25:49 PM	51498
Surr: DNOP	72.7	55.1-146		%Rec	1	4/4/2020 12:25:49 PM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.023		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Toluene	ND	0.047		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
Surr: Dibromofluoromethane	94.9	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
Surr: Toluene-d8	103	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T6
Project: Jal Landfarm
Collection Date: 3/26/2020 2:10:00 PM
Lab ID: 2003D30-011 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 11:51:40 AM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.1		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 9:18:20 AM	51507
Barium	100	0.20		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Beryllium	0.36	0.31		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Chromium	5.6	0.61		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Copper	2.1	0.82		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Iron	5800	260		mg/Kg	100	4/6/2020 9:53:47 AM	51507
Lead	0.88	0.61		mg/Kg	2	4/8/2020 9:18:20 AM	51507
Manganese	58	0.41		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/8/2020 10:35:04 AM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:18:20 AM	51507
Zinc	13	5.1		mg/Kg	2	4/6/2020 2:26:29 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Surr: BFB	95.8	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/5/2020 6:15:07 PM	51523
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 6:15:07 PM	51523
Surr: DNOP	118	55.1-146		%Rec	1	4/5/2020 6:15:07 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Toluene	ND	0.050		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
Surr: Dibromofluoromethane	93.0	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
Surr: Toluene-d8	94.2	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V6
Project: Jal Landfarm
Collection Date: 3/26/2020 2:15:00 PM
Lab ID: 2003D30-012 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	59		mg/Kg	20	4/4/2020 12:28:41 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.8		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Arsenic	ND	4.8		mg/Kg	2	4/8/2020 9:26:09 AM	51507
Barium	130	0.19		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Beryllium	0.31	0.29		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Chromium	5.2	0.58		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Copper	1.4	0.77		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Iron	4700	240		mg/Kg	100	4/6/2020 9:55:52 AM	51507
Lead	0.90	0.58		mg/Kg	2	4/8/2020 9:26:09 AM	51507
Manganese	37	0.39		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Selenium	ND	4.8		mg/Kg	2	4/8/2020 10:36:39 AM	51507
Silver	0.58	0.48		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Thallium	ND	4.8		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:26:09 AM	51507
Zinc	10	4.8		mg/Kg	2	4/6/2020 2:28:13 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Surr: BFB	99.3	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/4/2020 10:01:12 AM	51523
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2020 10:01:12 AM	51523
Surr: DNOP	74.0	55.1-146		%Rec	1	4/4/2020 10:01:12 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Toluene	ND	0.049		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
Surr: Dibromofluoromethane	91.8	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
Surr: Toluene-d8	98.3	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T7
Project: Jal Landfarm
Collection Date: 3/26/2020 2:25:00 PM
Lab ID: 2003D30-013 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 1:30:26 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.1		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 9:27:45 AM	51507
Barium	51	0.20		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Beryllium	ND	0.31		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Chromium	4.9	0.61		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Copper	2.2	0.82		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Iron	4900	260		mg/Kg	100	4/6/2020 9:57:57 AM	51507
Lead	0.98	0.61		mg/Kg	2	4/8/2020 9:27:45 AM	51507
Manganese	61	0.41		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/8/2020 10:38:12 AM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:27:45 AM	51507
Zinc	12	5.1		mg/Kg	2	4/6/2020 2:29:54 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Surr: BFB	97.3	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/4/2020 10:25:23 AM	51523
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 10:25:23 AM	51523
Surr: DNOP	73.6	55.1-146		%Rec	1	4/4/2020 10:25:23 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
Surr: Dibromofluoromethane	89.8	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
Surr: Toluene-d8	97.5	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V7
Project: Jal Landfarm
Collection Date: 3/26/2020 2:30:00 PM
Lab ID: 2003D30-014 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 1:42:47 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.1		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 9:29:19 AM	51507
Barium	75	0.20		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Beryllium	0.36	0.30		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Chromium	6.2	0.61		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Copper	1.2	0.81		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Iron	5700	250		mg/Kg	100	4/6/2020 10:14:38 AM	51507
Lead	0.84	0.61		mg/Kg	2	4/8/2020 9:29:19 AM	51507
Manganese	48	0.40		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/8/2020 10:39:45 AM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:29:19 AM	51507
Zinc	13	5.1		mg/Kg	2	4/6/2020 2:31:36 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Surr: BFB	100	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 10:49:33 AM	51523
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 10:49:33 AM	51523
Surr: DNOP	66.2	55.1-146		%Rec	1	4/4/2020 10:49:33 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
Surr: Dibromofluoromethane	94.1	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
Surr: Toluene-d8	97.8	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T8
Project: Jal Landfarm
Collection Date: 3/26/2020 2:40:00 PM
Lab ID: 2003D30-015 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 1:55:07 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	4.8		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Arsenic	ND	4.8		mg/Kg	2	4/8/2020 9:30:52 AM	51507
Barium	99	0.19		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Beryllium	0.39	0.29		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Chromium	5.8	0.58		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Copper	1.7	0.77		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Iron	6000	240		mg/Kg	100	4/6/2020 10:16:45 AM	51507
Lead	0.68	0.58		mg/Kg	2	4/8/2020 9:30:52 AM	51507
Manganese	54	0.39		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Selenium	ND	4.8		mg/Kg	2	4/8/2020 10:41:19 AM	51507
Silver	ND	0.48		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Thallium	ND	4.8		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:30:52 AM	51507
Zinc	13	4.8		mg/Kg	2	4/6/2020 2:33:18 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Surr: BFB	96.5	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	440	99		mg/Kg	10	4/5/2020 7:29:15 PM	51523
Motor Oil Range Organics (MRO)	510	490		mg/Kg	10	4/5/2020 7:29:15 PM	51523
Surr: DNOP	0	55.1-146	S	%Rec	10	4/5/2020 7:29:15 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
Surr: Dibromofluoromethane	91.2	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
Surr: Toluene-d8	94.7	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V8
Project: Jal Landfarm
Collection Date: 3/26/2020 2:50:00 PM
Lab ID: 2003D30-016 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 2:07:29 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:32:26 AM	51507
Barium	110	0.19		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Beryllium	0.46	0.29		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Chromium	7.2	0.58		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Copper	ND	0.78		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Iron	7600	240		mg/Kg	100	4/6/2020 10:18:50 AM	51507
Lead	ND	0.58		mg/Kg	2	4/8/2020 9:32:26 AM	51507
Manganese	46	0.39		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/8/2020 10:42:53 AM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:32:26 AM	51507
Zinc	14	4.9		mg/Kg	2	4/6/2020 2:35:02 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Surr: BFB	99.2	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 11:38:12 AM	51523
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 11:38:12 AM	51523
Surr: DNOP	66.0	55.1-146		%Rec	1	4/4/2020 11:38:12 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
Surr: Dibromofluoromethane	94.6	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
Surr: Toluene-d8	96.7	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T9
Project: Jal Landfarm
Collection Date: 3/26/2020 4:25:00 PM
Lab ID: 2003D30-017 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 2:19:49 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:34:01 AM	51507
Barium	100	0.20		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Beryllium	0.31	0.30		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Chromium	5.1	0.60		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Copper	2.3	0.80		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Iron	5600	250		mg/Kg	100	4/6/2020 10:20:43 AM	51507
Lead	0.64	0.60		mg/Kg	2	4/8/2020 9:34:01 AM	51507
Manganese	59	0.40		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:44:27 AM	51507
Silver	0.61	0.50		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:34:01 AM	51507
Zinc	14	5.0		mg/Kg	2	4/6/2020 2:36:43 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Surr: BFB	96.7	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 12:02:37 PM	51523
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 12:02:37 PM	51523
Surr: DNOP	111	55.1-146		%Rec	1	4/4/2020 12:02:37 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Surr: 1,2-Dichloroethane-d4	89.0	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
Surr: Dibromofluoromethane	93.4	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
Surr: Toluene-d8	94.2	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V9
Project: Jal Landfarm
Collection Date: 3/26/2020 4:35:00 PM
Lab ID: 2003D30-018 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 2:32:09 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:35:35 AM	51507
Barium	94	0.19		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Beryllium	0.50	0.29		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Chromium	8.1	0.58		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Copper	ND	0.78		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Iron	8300	240		mg/Kg	100	4/6/2020 10:22:48 AM	51507
Lead	ND	0.58		mg/Kg	2	4/8/2020 9:35:35 AM	51507
Manganese	37	0.39		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/8/2020 10:46:02 AM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:35:35 AM	51507
Zinc	17	4.9		mg/Kg	2	4/6/2020 2:38:25 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Surr: BFB	98.7	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 12:26:57 PM	51523
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 12:26:57 PM	51523
Surr: DNOP	93.1	55.1-146		%Rec	1	4/4/2020 12:26:57 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Xylenes, Total	ND	0.098		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
Surr: Dibromofluoromethane	93.1	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T10
Project: Jal Landfarm
Collection Date: 3/26/2020 2:10:00 PM
Lab ID: 2003D30-019 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 2:44:30 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:37:09 AM	51507
Barium	56	0.20		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Beryllium	0.30	0.30		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Chromium	5.2	0.60		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Copper	1.7	0.80		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Iron	5400	250		mg/Kg	100	4/6/2020 10:24:35 AM	51507
Lead	1.0	0.60		mg/Kg	2	4/8/2020 9:37:09 AM	51507
Manganese	43	0.40		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:47:36 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Uranium	ND	9.9		mg/Kg	2	4/8/2020 9:37:09 AM	51507
Zinc	11	5.0		mg/Kg	2	4/6/2020 2:40:06 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Surr: BFB	101	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	28	9.7		mg/Kg	1	4/4/2020 12:51:27 PM	51523
Motor Oil Range Organics (MRO)	91	48		mg/Kg	1	4/4/2020 12:51:27 PM	51523
Surr: DNOP	114	55.1-146		%Rec	1	4/4/2020 12:51:27 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Xylenes, Total	ND	0.095		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Surr: 1,2-Dichloroethane-d4	94.7	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V10
Project: Jal Landfarm
Collection Date: 3/26/2020 2:15:00 PM
Lab ID: 2003D30-020 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 2:56:52 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.2		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Arsenic	ND	5.2		mg/Kg	2	4/8/2020 9:38:43 AM	51507
Barium	130	0.21		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Beryllium	0.33	0.31		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Cadmium	ND	0.21		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Chromium	5.4	0.62		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Copper	2.3	0.83		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Iron	5400	260		mg/Kg	100	4/6/2020 10:26:40 AM	51507
Lead	ND	0.62		mg/Kg	2	4/8/2020 9:38:43 AM	51507
Manganese	49	0.41		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Selenium	ND	5.2		mg/Kg	2	4/8/2020 10:59:03 AM	51507
Silver	ND	0.52		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Thallium	ND	5.2		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:38:43 AM	51507
Zinc	12	5.2		mg/Kg	2	4/6/2020 2:41:48 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Surr: BFB	100	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/4/2020 2:05:08 PM	51523
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 2:05:08 PM	51523
Surr: DNOP	85.2	55.1-146		%Rec	1	4/4/2020 2:05:08 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Xylenes, Total	ND	0.098		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
Surr: Dibromofluoromethane	94.2	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
Surr: Toluene-d8	98.9	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T11
Project: Jal Landfarm
Collection Date: 3/26/2020 3:35:00 PM
Lab ID: 2003D30-021 **Matrix:** SOIL
Received Date: 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 3:33:55 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:40:18 AM	51507
Barium	100	0.20		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Beryllium	0.34	0.30		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Chromium	5.6	0.60		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Copper	2.0	0.80		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Iron	6300	250		mg/Kg	100	4/6/2020 10:28:45 AM	51507
Lead	1.1	0.60		mg/Kg	2	4/8/2020 9:40:18 AM	51507
Manganese	60	0.40		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:40:18 AM	51507
Zinc	13	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Surr: BFB	97.4	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 2:29:58 PM	51523
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 2:29:58 PM	51523
Surr: DNOP	82.4	55.1-146		%Rec	1	4/4/2020 2:29:58 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Xylenes, Total	ND	0.095		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
Surr: Dibromofluoromethane	99.6	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
Surr: Toluene-d8	99.9	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V11
Project: Jal Landfarm
Collection Date: 3/26/2020 3:40:00 PM
Lab ID: 2003D30-022 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 3:46:16 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 11:00:38 AM	51507
Barium	80	0.20		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Beryllium	0.42	0.29		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Chromium	7.1	0.59		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Copper	ND	0.79		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Iron	7100	250		mg/Kg	100	4/6/2020 10:30:50 AM	51507
Lead	0.64	0.59		mg/Kg	2	4/8/2020 9:48:53 AM	51507
Manganese	34	0.39		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:48:53 AM	51507
Zinc	14	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Surr: BFB	99.6	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	4/4/2020 2:48:06 PM	51523
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/4/2020 2:48:06 PM	51523
Surr: DNOP	86.1	55.1-146		%Rec	1	4/4/2020 2:48:06 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Toluene	ND	0.048		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Ethylbenzene	ND	0.048		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Xylenes, Total	ND	0.096		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
Surr: Dibromofluoromethane	97.1	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
Surr: Toluene-d8	99.1	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T12
Project: Jal Landfarm
Collection Date: 3/26/2020 3:20:00 PM
Lab ID: 2003D30-023 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 3:58:36 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 11:02:14 AM	51507
Barium	88	0.20		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Beryllium	0.42	0.29		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Chromium	8.1	0.59		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Copper	28	0.79		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Iron	8300	250		mg/Kg	100	4/6/2020 10:32:55 AM	51507
Lead	1.4	0.59		mg/Kg	2	4/8/2020 9:50:28 AM	51507
Manganese	62	0.39		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:50:28 AM	51507
Zinc	16	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Surr: BFB	98.5	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	30	9.1		mg/Kg	1	4/5/2020 7:53:55 PM	51523
Motor Oil Range Organics (MRO)	90	45		mg/Kg	1	4/5/2020 7:53:55 PM	51523
Surr: DNOP	106	55.1-146		%Rec	1	4/5/2020 7:53:55 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
Surr: Toluene-d8	99.2	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V12
Project: Jal Landfarm
Collection Date: 3/26/2020 3:25:00 PM
Lab ID: 2003D30-024 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 4:10:57 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Arsenic	12	5.0		mg/Kg	2	4/8/2020 11:03:49 AM	51507
Barium	60	0.20		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Beryllium	0.69	0.30		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Chromium	9.9	0.60		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Copper	2.6	0.80		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Iron	12000	250		mg/Kg	100	4/6/2020 10:46:34 AM	51507
Lead	ND	0.60		mg/Kg	2	4/8/2020 9:52:03 AM	51507
Manganese	130	0.40		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:52:03 AM	51507
Zinc	23	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Surr: BFB	99.0	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 4:04:59 PM	51523
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 4:04:59 PM	51523
Surr: DNOP	76.9	55.1-146		%Rec	1	4/4/2020 4:04:59 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Toluene	ND	0.048		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Ethylbenzene	ND	0.048		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Xylenes, Total	ND	0.096		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
Surr: Dibromofluoromethane	97.7	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T13
Project: Jal Landfarm
Collection Date: 3/26/2020 3:05:00 PM
Lab ID: 2003D30-025 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 4:23:17 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 11:09:54 AM	51507
Barium	84	0.20		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Beryllium	0.39	0.30		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Chromium	6.3	0.61		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Copper	2.8	0.81		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Iron	6700	250		mg/Kg	100	4/6/2020 10:48:24 AM	51507
Lead	ND	0.61		mg/Kg	2	4/8/2020 9:58:20 AM	51507
Manganese	71	0.41		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:58:20 AM	51507
Zinc	13	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Surr: BFB	102	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	25	9.4		mg/Kg	1	4/4/2020 4:53:47 PM	51523
Motor Oil Range Organics (MRO)	81	47		mg/Kg	1	4/4/2020 4:53:47 PM	51523
Surr: DNOP	95.7	55.1-146		%Rec	1	4/4/2020 4:53:47 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.023		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Toluene	ND	0.046		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Ethylbenzene	ND	0.046		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Xylenes, Total	ND	0.092		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
Surr: Dibromofluoromethane	93.3	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V13
Project: Jal Landfarm
Collection Date: 3/26/2020 3:00:00 PM
Lab ID: 2003D30-026 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	83	60		mg/Kg	20	4/4/2020 4:35:38 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Arsenic	5.8	5.1		mg/Kg	2	4/8/2020 11:11:21 AM	51507
Barium	75	0.20		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Beryllium	0.65	0.31		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Chromium	10	0.61		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Copper	1.5	0.81		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Iron	11000	250		mg/Kg	100	4/6/2020 10:50:29 AM	51507
Lead	ND	0.61		mg/Kg	2	4/8/2020 9:59:54 AM	51507
Manganese	77	0.41		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:59:54 AM	51507
Zinc	23	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Surr: BFB	99.2	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 6:07:21 PM	51523
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 6:07:21 PM	51523
Surr: DNOP	97.4	55.1-146		%Rec	1	4/4/2020 6:07:21 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Toluene	ND	0.050		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Ethylbenzene	ND	0.050		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Surr: 1,2-Dichloroethane-d4	90.6	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
Surr: Dibromofluoromethane	95.6	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
Surr: Toluene-d8	97.9	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T14
Project: Jal Landfarm
Collection Date: 3/26/2020 3:10:00 PM
Lab ID: 2003D30-027 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 4:47:59 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:12:52 AM	51507
Barium	210	0.20		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Beryllium	0.33	0.30		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Chromium	4.6	0.60		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Copper	2.0	0.80		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Iron	4500	250		mg/Kg	100	4/6/2020 10:52:16 AM	51507
Lead	ND	0.60		mg/Kg	2	4/8/2020 10:01:28 AM	51507
Manganese	52	0.40		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Silver	1.5	0.50		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 10:01:28 AM	51507
Zinc	11	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Surr: BFB	99.0	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	11	8.8		mg/Kg	1	4/4/2020 6:31:54 PM	51523
Motor Oil Range Organics (MRO)	50	44		mg/Kg	1	4/4/2020 6:31:54 PM	51523
Surr: DNOP	108	55.1-146		%Rec	1	4/4/2020 6:31:54 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.023		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Xylenes, Total	ND	0.093		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
Surr: Dibromofluoromethane	98.0	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
Surr: Toluene-d8	99.3	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V14
Project: Jal Landfarm
Collection Date: 3/26/2020 3:15:00 PM
Lab ID: 2003D30-028 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 5:00:19 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:21:26 AM	51507
Barium	63	0.20		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Beryllium	0.39	0.30		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Chromium	7.7	0.60		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Copper	ND	0.80		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Iron	7700	250		mg/Kg	100	4/6/2020 10:54:21 AM	51507
Lead	ND	0.60		mg/Kg	2	4/8/2020 10:03:02 AM	51507
Manganese	40	0.40		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:03:02 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 10:03:02 AM	51507
Zinc	16	5.0		mg/Kg	2	4/6/2020 3:15:52 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Surr: BFB	98.6	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 7:45:36 PM	51523
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 7:45:36 PM	51523
Surr: DNOP	84.7	55.1-146		%Rec	1	4/4/2020 7:45:36 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Surr: 1,2-Dichloroethane-d4	89.3	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
Surr: Dibromofluoromethane	92.9	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T15
Project: Jal Landfarm
Collection Date: 3/26/2020 4:00:00 PM
Lab ID: 2003D30-029 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 7:53:12 PM	51561
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:23:01 AM	51507
Barium	210	0.20		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Beryllium	0.44	0.30		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Chromium	19	0.60		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Copper	230	0.79		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Iron	17000	250		mg/Kg	100	4/6/2020 10:56:08 AM	51507
Lead	3.9	0.60		mg/Kg	2	4/8/2020 10:10:53 AM	51507
Manganese	130	0.40		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:10:53 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Uranium	ND	9.9		mg/Kg	2	4/8/2020 10:10:53 AM	51507
Zinc	35	5.0		mg/Kg	2	4/6/2020 3:17:35 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Surr: BFB	97.0	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	180	9.2		mg/Kg	1	4/5/2020 8:18:26 PM	51523
Motor Oil Range Organics (MRO)	310	46		mg/Kg	1	4/5/2020 8:18:26 PM	51523
Surr: DNOP	120	55.1-146		%Rec	1	4/5/2020 8:18:26 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Xylenes, Total	ND	0.095		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
Surr: Dibromofluoromethane	94.3	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
Surr: Toluene-d8	97.4	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **5/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V15
Project: Jal Landfarm
Collection Date: 3/26/2020 4:05:00 PM
Lab ID: 2003D30-030 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 8:54:56 PM	51561
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:24:35 AM	51507
Barium	67	0.20		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Beryllium	0.37	0.30		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Chromium	6.1	0.60		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Copper	3.3	0.80		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Iron	7000	250		mg/Kg	100	4/6/2020 10:57:55 AM	51507
Lead	0.98	0.60		mg/Kg	2	4/8/2020 10:12:29 AM	51507
Manganese	120	0.40		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:12:29 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 10:12:29 AM	51507
Zinc	18	5.0		mg/Kg	2	4/6/2020 3:19:17 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Surr: BFB	99.3	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/4/2020 8:34:43 PM	51523
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2020 8:34:43 PM	51523
Surr: DNOP	75.0	55.1-146		%Rec	1	4/4/2020 8:34:43 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.023		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Xylenes, Total	ND	0.093		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Surr: 1,2-Dichloroethane-d4	92.5	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
Surr: Dibromofluoromethane	96.5	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487

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

Qualifiers:

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

Anatek Labs, Inc.

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-001 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-001A/S-11208903-032620-CN-T1 **Sampling Time** 10:35 AM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0579	4/22/2020 8:29:00 PM	MAM	EPA 6020A	
%moisture	6.5	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-002 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-002A/S-11208903-032620-CN-V1 **Sampling Time** 10:40 AM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0666	4/22/2020 9:08:00 PM	MAM	EPA 6020A	
%moisture	11.1	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-003 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-003A/S-11208903-032620-CN-T2 **Sampling Time** 11:00 AM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0654	4/22/2020 9:12:00 PM	MAM	EPA 6020A	
%moisture	7.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-004 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-004A/S-11208903-032620-CN-V2 **Sampling Time** 1:30 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0663	4/22/2020 9:16:00 PM	MAM	EPA 6020A	
%moisture	6	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-005 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-005A/S-11208903-032620-CN-T3 **Sampling Time** 1:40 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0584	4/22/2020 9:20:00 PM	MAM	EPA 6020A	
%moisture	5.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-006 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-006A/S-11208903-032620-CN-V3 **Sampling Time** 1:45 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.232	mg/Kg	0.0629	4/22/2020 9:25:00 PM	MAM	EPA 6020A	
%moisture	7.2	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-007 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-007A/S-11208903-032620-CN-T4 **Sampling Time** 1:50 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0583	4/22/2020 9:29:00 PM	MAM	EPA 6020A	
%moisture	7.2	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-008 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-008A/S-11208903-032620-CN-V4 **Sampling Time** 1:50 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0616	4/22/2020 9:33:00 PM	MAM	EPA 6020A	
%moisture	8.2	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-009 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-009A/S-11208903-032620-CN-T5 **Sampling Time** 2:05 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0860	mg/Kg	0.0523	4/22/2020 9:37:00 PM	MAM	EPA 6020A	
%moisture	18.9	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-010 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0010A/S-11208903-032620-CN-V5 **Sampling Time** 2:00 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0908	mg/Kg	0.0563	4/22/2020 9:42:00 PM	MAM	EPA 6020A	
%moisture	3.9	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-011 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0011A/S-11208903-032620-CN-T6 **Sampling Time** 2:10 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0551	4/22/2020 9:46:00 PM	MAM	EPA 6020A	
%moisture	6.5	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-012 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0012A/S-11208903-032620-CN-V6 **Sampling Time** 2:15 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.06	4/22/2020 10:07:00 PM	MAM	EPA 6020A	
%moisture	4.3	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-013 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0013A/S-11208903-032620-CN-T7 **Sampling Time** 2:25 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0628	4/28/2020 6:39:00 PM	MAM	EPA 6020A	
%moisture	20.1	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-014 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0014A/S-11208903-032620-CN-V7 **Sampling Time** 2:30 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0632	4/22/2020 10:16:00 PM	MAM	EPA 6020A	
%moisture	7.9	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-015 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0015A/S-11208903-032620-CN-T8 **Sampling Time** 2:40 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0609	4/22/2020 10:20:00 PM	MAM	EPA 6020A	
%moisture	7.1	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-016 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0016A/S-11208903-032620-CN-V8 **Sampling Time** 2:50 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0553	4/22/2020 10:24:00 PM	MAM	EPA 6020A	
%moisture	7.6	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-017 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0017A/S-11208903-032620-CN-T9 **Sampling Time** 4:25 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0926	mg/Kg	0.0566	4/22/2020 10:29:00 PM	MAM	EPA 6020A	
%moisture	6.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-018 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0018A/S-11208903-032620-CN-V9 **Sampling Time** 4:35 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0591	4/22/2020 10:33:00 PM	MAM	EPA 6020A	
%moisture	6	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-019 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0019A/S-11208903-032620-CN-T10 **Sampling Time** 2:10 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0763	mg/Kg	0.0622	4/22/2020 10:37:00 PM	MAM	EPA 6020A	
%moisture	6.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-020 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0020A/S-11208903-032620-CN-V10 **Sampling Time** 2:15 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0618	4/22/2020 10:41:00 PM	MAM	EPA 6020A	
%moisture	6.8	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-021 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0021A/S-11208903-032620-CN-T11 **Sampling Time** 3:35 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0625	4/14/2020 5:06:00 PM	MAM	EPA 6020A	
%moisture	6.1	%		4/14/2020 2:12:00 PM	MAM	%moisture	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-022 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0022A/S-11208903-032620-CN-V11 **Sampling Time** 3:40 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0645	4/14/2020 5:36:00 PM	MAM	EPA 6020A	
%moisture	7	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-023 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0023A/S-11208903-032620-CN-T12 **Sampling Time** 3:20 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0782	mg/Kg	0.0605	4/14/2020 5:40:00 PM	MAM	EPA 6020A	
%moisture	6.9	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-024 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0024A/S-11208903-032620-CN-V12 **Sampling Time** 3:25 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0636	4/14/2020 5:44:00 PM	MAM	EPA 6020A	
%moisture	10.3	%		4/14/2020 2:12:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-025 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0025A/S-11208903-032620-CN-T13 **Sampling Time** 3:05 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.268	mg/Kg	0.06	4/14/2020 6:05:00 PM	MAM	EPA 6020A	
%moisture	9.4	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-026 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0026A/S-11208903-032620-CN-V13 **Sampling Time** 3:00 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0628	4/14/2020 6:10:00 PM	MAM	EPA 6020A	
%moisture	9.1	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-027 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0027A/S-11208903-032620-CN-T14 **Sampling Time** 3:10 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.059	4/14/2020 6:14:00 PM	MAM	EPA 6020A	
%moisture	7.7	%		4/14/2020 2:12:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-028 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0028A/S-11208903-032620-CN-V14 **Sampling Time** 3:15 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0623	4/14/2020 6:18:00 PM	MAM	EPA 6020A	
%moisture	2.3	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-029 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0029A/S-11208903-032620-CN-T15 **Sampling Time** 4:00 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.321	mg/Kg	0.0662	4/14/2020 6:23:00 PM	MAM	EPA 6020A	
%moisture	9.6	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-030 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0030A/S-11208903-032620-CN-V15 **Sampling Time** 4:05 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0641	4/14/2020 6:27:00 PM	MAM	EPA 6020A	
%moisture	7.7	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Authorized Signature

Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Mercury-ICPMS	0.0271	mg/Kg	0.025	108.4	80-120	4/20/2020	4/28/2020
Mercury-ICPMS	0.0283	mg/Kg	0.025	113.2	80-120	4/20/2020	4/22/2020
Mercury-ICPMS	0.0260	mg/Kg	0.025	104.0	80-120	4/14/2020	4/14/2020

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
200408003-001A	Mercury-ICPMS	ND	0.348	mg/Kg	0.29	120.0	75-125	4/20/2020	4/28/2020
200408003-001	Mercury-ICPMS	ND	0.355	mg/kg	0.29	122.4	75-125	4/20/2020	4/22/2020
200408003-021	Mercury-ICPMS	ND	0.388	mg/Kg	0.313	124.0	75-125	4/14/2020	4/14/2020

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Mercury-ICPMS	0.346	mg/Kg	0.29	119.3	0.6	0-20	4/20/2020	4/28/2020
Mercury-ICPMS	0.346	mg/Kg	0.29	119.3	2.6	0-20	4/20/2020	4/22/2020
Mercury-ICPMS	0.403	mg/Kg	0.313	128.8	3.8	0-20	4/14/2020	4/14/2020

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Mercury-ICPMS	ND	mg/Kg	0.0001	4/20/2020	4/28/2020
Mercury-ICPMS	ND	mg/Kg	0.0001	4/20/2020	4/22/2020
Mercury-ICPMS	ND	mg/Kg	0.0001	4/14/2020	4/14/2020

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Login Report

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-001 **Customer Sample #:** 2003D30-001A/S-11208903-032620-CN-T1

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 10:35 AM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-002 **Customer Sample #:** 2003D30-002A/S-11208903-032620-CN-V1

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 10:40 AM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-003 **Customer Sample #:** 2003D30-003A/S-11208903-032620-CN-T2

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 11:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-004 **Customer Sample #:** 2003D30-004A/S-11208903-032620-CN-V2

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:30 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-005 **Customer Sample #:** 2003D30-005A/S-11208903-032620-CN-T3

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:40 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-006 **Customer Sample #:** 2003D30-006A/S-11208903-032620-CN-V3

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:45 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-007 **Customer Sample #:** 2003D30-007A/S-11208903-032620-CN-T4

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-008 **Customer Sample #:** 2003D30-008A/S-11208903-032620-CN-V4

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-009 **Customer Sample #:** 2003D30-009A/S-11208903-032620-CN-T5

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:05 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-010 **Customer Sample #:** 2003D30-0010A/S-11208903-032620-CN-V5

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-011 **Customer Sample #:** 2003D30-0011A/S-11208903-032620-CN-T6

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:10 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-012 **Customer Sample #:** 2003D30-0012A/S-11208903-032620-CN-V6

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:15 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-013 **Customer Sample #:** 2003D30-0013A/S-11208903-032620-CN-T7

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:25 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-014 **Customer Sample #:** 2003D30-0014A/S-11208903-032620-CN-V7

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:30 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-015 **Customer Sample #:** 2003D30-0015A/S-11208903-032620-CN-T8

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:40 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-016 **Customer Sample #:** 2003D30-0016A/S-11208903-032620-CN-V8

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-017 **Customer Sample #:** 2003D30-0017A/S-11208903-032620-CN-T9

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:25 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-018 **Customer Sample #:** 2003D30-0018A/S-11208903-032620-CN-V9

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:35 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-019 **Customer Sample #:** 2003D30-0019A/S-11208903-032620-CN-T10

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:10 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-020 **Customer Sample #:** 2003D30-0020A/S-11208903-032620-CN-V10

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:15 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-021 **Customer Sample #:** 2003D30-0021A/S-11208903-032620-CN-T11

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:35 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-022 **Customer Sample #:** 2003D30-0022A/S-11208903-032620-CN-V11

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:40 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-023 **Customer Sample #:** 2003D30-0023A/S-11208903-032620-CN-T12

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:20 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-024 **Customer Sample #:** 2003D30-0024A/S-11208903-032620-CN-V12

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:25 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-025 **Customer Sample #:** 2003D30-0025A/S-11208903-032620-CN-T13

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:05 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-026 **Customer Sample #:** 2003D30-0026A/S-11208903-032620-CN-V13

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-027 **Customer Sample #:** 2003D30-0027A/S-11208903-032620-CN-T14

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:10 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-028 **Customer Sample #:** 2003D30-0028A/S-11208903-032620-CN-V14

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:15 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-029 **Customer Sample #:** 2003D30-0029A/S-11208903-032620-CN-T15

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-030 **Customer Sample #:** 2003D30-0030A/S-11208903-032620-CN-V15

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:05 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name:	HALL ENVIRONMENTAL ANALYSIS LAB	**Order ID:**	200408003
	4901 HAWKINS NE SUITE D	**Order Date:**	4/8/2020
	ALBUQUERQUE NM 87109		
Contact Name:	ANDY FREEMAN	**Project Name:**	2003D30
Comment:			

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	4.6
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	N/A
Are VOC samples free of headspace?	N/A
Is there a trip blank to accompany VOC samples?	N/A
Labels and chain agree?	Yes
Total number of containers?	30

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 3

200408 003 HALL Last Due 4/20/2020
1st SAMP 3/26/2020 1st RCVD 4/8/2020
2003D30

SUB CONTRATOR:	Anatek Labs	COMPANY:	Anatek Labs, Inc.	PHONE: (208) 883-2839	FAX: (208) 882-9246
ADDRESS:	1282 Alturas Dr			ACCOUNT #:	EMAIL:
CITY, STATE, ZIP:	Moscow, ID 83843				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2003D30-001B	S-11208903-032620-CN-T1	4OZGU	Soil	3/26/2020 10:35:00 AM	1	Hg by 6020
2	2003D30-002B	S-11208903-032620-CN-V1	4OZGU	Soil	3/26/2020 10:40:00 AM	1	Hg by 6020
3	2003D30-003B	S-11208903-032620-CN-T2	4OZGU	Soil	3/26/2020 11:00:00 AM	1	Hg by 6020
4	2003D30-004B	S-11208903-032620-CN-V2	4OZGU	Soil	3/26/2020 1:30:00 PM	1	Hg by 6020
5	2003D30-005B	S-11208903-032620-CN-T3	4OZGU	Soil	3/26/2020 1:40:00 PM	1	Hg by 6020
6	2003D30-006B	S-11208903-032620-CN-V3	4OZGU	Soil	3/26/2020 1:45:00 PM	1	Hg by 6020
7	2003D30-007B	S-11208903-032620-CN-T4	4OZGU	Soil	3/26/2020 1:50:00 PM	1	Hg by 6020
8	2003D30-008B	S-11208903-032620-CN-v4	4OZGU	Soil	3/26/2020 1:50:00 PM	1	Hg by 6020
9	2003D30-009B	S-11208903-032620-CN-T5	4OZGU	Soil	3/26/2020 2:05:00 PM	1	Hg by 6020
10	2003D30-010B	S-11208903-032620-CN-V5	4OZGU	Soil	3/26/2020 2:00:00 PM	1	Hg by 6020
11	2003D30-011B	S-11208903-032620-CN-T6	4OZGU	Soil	3/26/2020 2:10:00 PM	1	Hg by 6020
12	2003D30-012B	S-11208903-032620-CN-V6	4OZGU	Soil	3/26/2020 2:15:00 PM	1	Hg by 6020
13	2003D30-013B	S-11208903-032620-CN-T7	4OZGU	Soil	3/26/2020 2:25:00 PM	1	Hg by 6020

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/7/2020	Time: 12:00 PM	Received By: HS	Date: 4-8-20	Time: 11:54
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ ℃ Attempt to Cool ? ____
Comments: ____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 3

200408 003 HALL Last Due 4/20/2020
1st SAMP 3/26/2020 1st RCVD 4/8/2020
2003D30

SUB CONTRATOR:	Anatek Labs	COMPANY:	Anatek Labs, Inc.	PHONE: (208) 883-2839	FAX: (208) 882-9246
ADDRESS:	1282 Alturas Dr			ACCOUNT #:	EMAIL:
CITY, STATE, ZIP:	Moscow, ID 83843				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
14	2003D30-014B	S-11208903-032620-CN-V7	4OZGU	Soil	3/26/2020 2:30:00 PM	1	Hg by 6020
15	2003D30-015B	S-11208903-032620-CN-T8	4OZGU	Soil	3/26/2020 2:40:00 PM	1	Hg by 6020
16	2003D30-016B	S-11208903-032620-CN-V8	4OZGU	Soil	3/26/2020 2:50:00 PM	1	Hg by 6020
17	2003D30-017B	S-11208903-032620-CN-T9	4OZGU	Soil	3/26/2020 4:25:00 PM	1	Hg by 6020
18	2003D30-018B	S-11208903-032620-CN-V9	4OZGU	Soil	3/26/2020 4:35:00 PM	1	Hg by 6020
19	2003D30-019B	S-11208903-032620-CN-T10	4OZGU	Soil	3/26/2020 2:10:00 PM	1	Hg by 6020
20	2003D30-020B	S-11208903-032620-CN-V10	4OZGU	Soil	3/26/2020 2:15:00 PM	1	Hg by 6020
21	2003D30-021B	S-11208903-032620-CN-T11	4OZGU	Soil	3/26/2020 3:35:00 PM	1	Hg by 6020
22	2003D30-022B	S-11208903-032620-CN-V11	4OZGU	Soil	3/26/2020 3:40:00 PM	1	Hg by 6020
23	2003D30-023B	S-11208903-032620-CN-T12	4OZGU	Soil	3/26/2020 3:20:00 PM	1	Hg by 6020
24	2003D30-024B	S-11208903-032620-CN-V12	4OZGU	Soil	3/26/2020 3:25:00 PM	1	Hg by 6020
25	2003D30-025B	S-11208903-032620-CN-T13	4OZGU	Soil	3/26/2020 3:05:00 PM	1	Hg by 6020
26	2003D30-026B	S-11208903-032620-CN-V13	4OZGU	Soil	3/26/2020 3:00:00 PM	1	Hg by 6020

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/7/2020	Time: 12:00 PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ ℃ Attempt to Cool ? ____
Comments: ____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 3 OF: 3

200408 003 HALL Last Due 4/20/2020
1st SAMP 3/26/2020 1st RCVD 4/8/2020
2003D30

www.hallenvironmental.com

SUB CONTRATOR: Anatek Labs	COMPANY: Anatek Labs, Inc.		PHONE: (208) 883-2839	FAX: (208) 882-9246	
ADDRESS: 1282 Alturas Dr			ACCOUNT #:	EMAIL:	
CITY, STATE, ZIP: Moscow, ID 83843					

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
27	2003D30-027B	S-11208903-032620-CN-T14	4OZGU	Soil	3/26/2020 3:10:00 PM	1	Hg by 6020
28	2003D30-028B	S-11208903-032620-CN-V14	4OZGU	Soil	3/26/2020 3:15:00 PM	1	Hg by 6020
29	2003D30-029B	S-11208903-032620-CN-T15	4OZGU	Soil	3/26/2020 4:00:00 PM	1	Hg by 6020
30	2003D30-030B	S-11208903-032620-CN-V15	4OZGU	Soil	3/26/2020 4:05:00 PM	1	Hg by 6020

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/7/2020	Time: 12:00 PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ °C Attempt to Cool ? ____
Comments: ____

Hannah Sullivan

From: Andy Freeman <andy@hallenvironmental.com>
Sent: Wednesday, April 8, 2020 1:45 PM
To: Hannah Sullivan
Subject: RE: Sample ID issue

Hi Hannah,

It is fine to use the A jars. You can log in as A.

We have two different jars per sample. A and B. We just sent the A instead of B. They are the same thing.

Thank you,

Andy Freeman - Hall Environmental, 4901 Hawkins NE, Albuquerque, NM 87109, 505-345-3975, 505-345-4107 fax
www.hallenvironmental.com - andy@hallenvironmental.com - https://www.surveymonkey.com/r/NGVXRBV

For easy access to all of your past reports, setup an account on the Hall Environmental Web Portal. Just visit our website and follow the instructions for setting up an account.
We welcome your feedback. Please visit the survey monkey link to complete a brief survey on your experience with Hall Environmental.

From: Hannah Sullivan <hannahs@anateklabs.com>
Sent: Wednesday, April 8, 2020 2:42 PM
To: Andy Freeman <andy@hallenvironmental.com>
Subject: Sample ID issue

Hi Andy,

We received the thirty soil samples for Hg 6020 analysis and have just a slight issue with the labels. The chain lists them as 2003D30-001B through -030B, but the jars all have -001A through -030A instead. The sample time and client IDs match exactly for all 30 though, so I wanted to check and see if that was a typo.

Thanks!

Hannah Sullivan
Shipping & Receiving
Anatek Labs, Inc
1282 Alturas Dr
Moscow, ID 83843
(208) 883-2839

Notice of Confidentiality

Anatek Labs, Inc.

Sample Receipt and Preservation Form

200408 003 **HALL** Last Due 4/20/2020

1st SAMP 3/26/2020 1st RCVD 4/8/2020

Client Name: Hall Project: 2003D30

TAT: (Normal) RUSH: _____ days

Samples Received From: (FedEx) UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: (Yes) No Custody Seals Intact: (Yes) No N/A

Number of Coolers/Boxes: 1 Type of Ice: Ice/(Ice Packs) Blue Ice Dry Ice None

Packing Material: (Bubble Wrap) Bags Foam/Peanuts (None) Other: paper

Cooler Temp As Read (°C): 4.6 Cooler Temp Corrected (°C): 4.6 Thermometer Used: IR-3

				Comments:
Samples Received Intact?	(Yes)	No	N/A	
Chain of Custody Present?	(Yes)	No	N/A	
Samples Received Within Hold Time?	(Yes)	No	N/A	
Samples Properly Preserved?	Yes	No	(N/A)	
VOC Vials Free of Headspace (<6mm)?	Yes	No	(N/A)	
VOC Trip Blanks Present?	Yes	No	(N/A)	
Labels and Chains Agree?	(Yes)	(No)	N/A	chain lists - XXXB, containers - XXXA
Total Number of Sample Bottles Received: 30				client ID is the same though. probably a typo, but will email to double check
Chain of Custody Fully Completed?	(Yes)	No	N/A	
Correct Containers Received?	(Yes)	No	N/A	
Anatek Bottles Used?	Yes	(No)	Unknown	

Record preservatives (and lot numbers, if known) for containers below:

None

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

see attached email HB

Received/Inspected By: HB Date/Time: 4-8-20 11:54

Form F18.00 - Eff 8 Feb 2019

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-51532**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51532**	RunNo: **67815**							
Prep Date: **4/3/2020**	Analysis Date: **4/3/2020**	SeqNo: **2342819**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51532**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51532**	RunNo: **67815**							
Prep Date: **4/3/2020**	Analysis Date: **4/3/2020**	SeqNo: **2342820**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Sample ID: **MB-51558**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51558**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343754**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51558**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51558**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343755**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID: **MB-51561**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51561**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343786**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51561**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51561**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343787**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	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
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **LCS-51498**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51498**	RunNo: **67841**
Prep Date: **4/1/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343245** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	93.0	70	130			
Surr: DNOP	4.4		5.000		88.7	55.1	146			

Sample ID: **MB-51498**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51498**	RunNo: **67841**
Prep Date: **4/1/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343246** 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	8.2		10.00		82.4	55.1	146			

Sample ID: **MB-51523**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **51523**	RunNo: **67837**
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343707** 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	10		10.00		105	55.1	146			

Sample ID: **LCS-51523**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **51523**	RunNo: **67837**
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343709** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.3		5.000		86.3	55.1	146			

Sample ID: **2003D30-011AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-**	Batch ID: **51523**	RunNo: **67858**
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344533** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.2	45.87	0	119	47.4	136			
Surr: DNOP	5.1		4.587		111	55.1	146			

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003D30-011AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-** Batch ID: **51523** RunNo: **67858**
Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2344534** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	68	9.9	49.60	0	137	47.4	136	21.6	43.4	S
Surr: DNOP	5.8		4.960		118	55.1	146	0	0	

Sample ID: **2003D30-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-** Batch ID: **51498** RunNo: **67874**
Prep Date: **4/1/2020** Analysis Date: **4/6/2020** SeqNo: **2344753** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	66	9.6	47.89	22.36	91.5	47.4	136			
Surr: DNOP	5.1		4.789		107	55.1	146			

Sample ID: **2003D30-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-** Batch ID: **51498** RunNo: **67874**
Prep Date: **4/1/2020** Analysis Date: **4/6/2020** SeqNo: **2344756** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	9.7	48.69	22.36	73.4	47.4	136	13.0	43.4	
Surr: DNOP	4.4		4.869		91.4	55.1	146	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **mb-51485**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**							
Client ID: **PBS**	Batch ID: **51485**	RunNo: **67805**							
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342066**	Units: **mg/Kg**						
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: 1,2-Dichloroethane-d4	0.47		0.5000		93.9	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.4	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.4	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID: **lcs-51485**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**							
Client ID: **LCSS**	Batch ID: **51485**	RunNo: **67805**							
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342067**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	70	130			
Toluene	1.1	0.050	1.000	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.1	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		87.3	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: **mb-51487**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**							
Client ID: **PBS**	Batch ID: **51487**	RunNo: **67881**							
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345162**	Units: **mg/Kg**						
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: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.2	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Sample ID: **lcs-51487**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**							
Client ID: **BatchQC**	Batch ID: **51487**	RunNo: **67881**							
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345164**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **lcs-51487**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.6	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		97.0	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: **2003d30-011ams**	SampType: **MS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345169** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	0.9852	0	86.5	80	120			
Toluene	0.95	0.049	0.9852	0	96.6	80	120			
Ethylbenzene	0.99	0.049	0.9852	0	100	80	120			
Xylenes, Total	2.9	0.099	2.956	0	97.6	80	120			
Surr: 4-Bromofluorobenzene	0.45		0.4926		92.0	70	130			
Surr: Toluene-d8	0.48		0.4926		96.5	70	130			

Sample ID: **2003d30-011amsd**	SampType: **MSD4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.023	0.9200	0	89.1	80	120	3.83	20	
Toluene	0.94	0.046	0.9200	0	102	80	120	1.02	20	
Ethylbenzene	0.98	0.046	0.9200	0	106	80	120	1.03	20	
Xylenes, Total	2.8	0.092	2.760	0	102	80	120	2.43	20	
Surr: 4-Bromofluorobenzene	0.44		0.4600		96.6	70	130	0	0	
Surr: Toluene-d8	0.45		0.4600		98.4	70	130	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **LCS-51507**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**							
Client ID: **LCSS**	Batch ID: **51507**	RunNo: **67877**							
Prep Date: **4/2/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345006**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	22	2.5	25.00	0	88.5	80	120			
Barium	24	0.10	25.00	0	95.4	80	120			
Beryllium	24	0.15	25.00	0	95.9	80	120			
Cadmium	24	0.10	25.00	0	96.2	80	120			
Chromium	24	0.30	25.00	0	96.2	80	120			
Copper	26	0.40	25.00	0	105	80	120			
Iron	26	2.5	25.00	0	104	80	120			B
Lead	23	0.30	25.00	0	92.9	80	120			
Manganese	24	0.20	25.00	0	96.1	80	120			
Selenium	23	2.5	25.00	0	90.9	80	120			
Silver	4.4	0.25	5.000	0	87.3	80	120			
Zinc	24	2.5	25.00	0	95.9	80	120			

Sample ID: **MB-51507**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**							
Client ID: **PBS**	Batch ID: **51507**	RunNo: **67877**							
Prep Date: **4/2/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345007**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	3.6	2.5								

Sample ID: **MB-51507**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**							
Client ID: **PBS**	Batch ID: **51507**	RunNo: **67877**							
Prep Date: **4/2/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345024**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.40								
Lead	ND	0.30								
Manganese	ND	0.20								
Selenium	ND	2.5								
Silver	ND	0.25								
Zinc	ND	2.5								

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-51507** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	2.5								
Thallium	ND	2.5								

Sample ID: **LCS-51507** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345683** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	96.7	80	120			
Thallium	23	2.5	25.00	0	93.3	80	120			

Sample ID: **2003D30-024AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345724** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	5.0	25.24	0	0	75	125			S
Barium	82	0.20	25.24	60.30	86.0	75	125			
Beryllium	26	0.30	25.24	0.6851	102	75	125			
Cadmium	24	0.20	25.24	0	96.5	75	125			
Chromium	35	0.61	25.24	9.932	100	75	125			
Copper	28	0.81	25.24	2.618	99.9	75	125			
Manganese	86	0.40	25.24	134.1	-191	75	125			S
Selenium	21	5.0	25.24	0	83.8	75	125			
Silver	2.8	0.50	5.047	0	55.4	75	125			S
Thallium	ND	5.0	25.24	0	0	75	125			S
Zinc	49	5.0	25.24	23.18	102	75	125			

Sample ID: **2003D30-024AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	4.8	24.00	0	18.2	75	125	0	20	RS
Barium	94	0.19	24.00	60.30	139	75	125	13.3	20	S
Beryllium	24	0.29	24.00	0.6851	97.6	75	125	9.06	20	
Cadmium	23	0.19	24.00	0	94.3	75	125	7.32	20	
Chromium	34	0.58	24.00	9.932	98.4	75	125	4.96	20	
Copper	28	0.77	24.00	2.618	106	75	125	0.414	20	
Manganese	74	0.38	24.00	134.1	-249	75	125	14.5	20	S

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003D30-024AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	19	4.8	24.00	0	78.3	75	125	11.9	20	
Silver	2.8	0.48	4.799	0	58.8	75	125	0.821	20	S
Thallium	ND	4.8	24.00	0	0	75	125	0	20	S
Zinc	46	4.8	24.00	23.18	95.6	75	125	6.16	20	

Sample ID: **LCS-51629** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **51629** RunNo: **67961**
Prep Date: **4/7/2020** Analysis Date: **4/8/2020** SeqNo: **2348144** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	96.0	80	120			
Arsenic	24	2.5	25.00	0	95.9	80	120			
Barium	24	0.10	25.00	0	96.5	80	120			
Beryllium	25	0.15	25.00	0	102	80	120			
Cadmium	24	0.10	25.00	0	95.5	80	120			
Chromium	24	0.30	25.00	0	96.9	80	120			
Copper	26	0.40	25.00	0	102	80	120			B
Iron	27	2.5	25.00	0	107	80	120			
Lead	24	0.30	25.00	0	97.3	80	120			
Manganese	24	0.20	25.00	0	97.7	80	120			
Selenium	25	2.5	25.00	0	98.6	80	120			
Silver	4.7	0.25	5.000	0	93.0	80	120			
Thallium	24	2.5	25.00	0	95.5	80	120			
Uranium	25	5.0	25.00	0	101	80	120			
Zinc	23	2.5	25.00	0	93.9	80	120			

Sample ID: **MB-51629** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **51629** RunNo: **67961**
Prep Date: **4/7/2020** Analysis Date: **4/8/2020** SeqNo: **2348146** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	2.5								
Arsenic	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	0.45	0.40								
Iron	ND	2.5								
Lead	ND	0.30								

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-51629**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **51629**	RunNo: **67961**
Prep Date: **4/7/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348146** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	ND	0.20								
Selenium	ND	2.5								
Silver	ND	0.25								
Thallium	ND	2.5								
Uranium	ND	5.0								
Zinc	ND	2.5								

Sample ID: **MB-51507**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348150** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	ND	5.0								

Sample ID: **LCS-51507**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348151** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	25	5.0	25.00	0	99.3	80	120			

Sample ID: **2003D30-024AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348224** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	24	0.61	25.24	0	96.1	75	125			
Uranium	ND	10	25.24	0	0	75	125			S

Sample ID: **2003D30-024AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348225** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	22	0.58	24.00	0	91.0	75	125	10.4	20	
Uranium	ND	9.6	24.00	0	0	75	125	0	20	S

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003D30-024AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348264** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	42	5.0	25.24	12.40	117	75	125			

Sample ID: **2003D30-024AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348265** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	28	4.8	24.00	12.40	64.4	75	125	40.3	20	RS

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **mb-51485**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**							
Client ID: **PBS**	Batch ID: **51485**	RunNo: **67805**							
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342171**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	470		500.0		94.7	70	130			

Sample ID: **lcs-51485**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **51485**	RunNo: **67805**							
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342172**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.5	70	130			
Surr: BFB	490		500.0		98.5	70	130			

Sample ID: **mb-51487**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**							
Client ID: **PBS**	Batch ID: **51487**	RunNo: **67881**							
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345213**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		98.6	70	130			

Sample ID: **lcs-51487**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **51487**	RunNo: **67881**							
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345214**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	70	130			
Surr: BFB	500		500.0		99.3	70	130			

Sample ID: **2003d30-012ams**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**							
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**							
Prep Date: **4/1/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345218**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.37	0	93.0	70	130			
Surr: BFB	480		487.3		98.2	70	130			

Sample ID: **2003d30-012amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**							
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**							
Prep Date: **4/1/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345219**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
20-May-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003d30-012amsd** SampType: **MSD** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-11208903-032620-** Batch ID: **51487** RunNo: **67881**
Prep Date: **4/1/2020** Analysis Date: **4/6/2020** SeqNo: **2345219** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.32	0	98.2	70	130	1.05	20	
Surr: BFB	470		466.4		101	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: 2003D30 RcptNo: 1

Received By: **Isaiah Ortiz** 3/31/2020 8:50:00 AM I-OX

Completed By: **John Caldwell** 3/31/2020 1:19:52 PM John Caldwell

Reviewed By: LB LB 4/1/2020

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
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 ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: JR 4/1/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Christine Matthews Date: 4/7/20
By Whom: Leah Baca Via: ☒ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: switched collection times on labels for -005, -006
Client Instructions: Go with the collection times on COC

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.0	Good				
2	0.4	Good				

Chain-of-Custody Record

Client: CHD Services

Mailing Address: 6121 Indian School Rd NE #200
Albuquerque NM, 87110

Phone #: 5058840672

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ XStandard ☐ Rush

Project Name: Jal Landfarm

Project #: 11208903

Project Manager: Christine Mathews

Sampler: CN
On Ice: ~~☐~~ XYes ☐ No
Sample Temperature: 0.1-0.1/FF/0.0°C 0.5-0.1/FF/0.4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. ~~0.2~~ IO 2003030	8021 BTEX	8015 TPH GRO DRO ORO	300.0 Chloride	6010 Metals (see notes)	6020 Mercury	Air Bubbles
3/26/2020	1035	S	S-11208903-032620-CN-T1	Various	none	-001	X	X	X	X	X	
3/26/2020	1040	S	S-11208903-032620-CN-V1	Various	none	-002	X	X	X	X	X	
3/26/2020	1100	S	S-11208903-032620-CN-T2	Various	none	-003	X	X	X	X	X	
3/26/2020	1330	S	S-11208903-032620-CN-V2	Various	none	-004	X	X	X	X	X	
3/26/2020	1340	S	S-11208903-032620-CN-T3	Various	none	-005	X	X	X	X	X	
3/26/2020	1345	S	S-11208903-032620-CN-V3	Various	none	-006	X	X	X	X	X	
3/26/2020	1350	S	S-11208903-032620-CN-T4	Various	none	-007	X	X	X	X	X	
3/26/2020	1350	S	S-11208903-032620-CN-V4	Various	none	-008	X	X	X	X	X	
3/26/2020	1405	S	S-11208903-032620-CN-T5	Various	none	-009	X	X	X	X	X	
3/26/2020	1400	S	S-11208903-032620-CN-V5	Various	none	-010	X	X	X	X	X	
3/26/2020	1410	S	S-11208903-032620-CN-T6	Various	none	-011	X	X	X	X	X	
3/26/2020	1415	S	S-11208903-032620-CN-V6	Various	none	-012	X	X	X	X	X	

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
3-30-20	0930		Fedex	3/31/20	0850
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
Metals List: Sb, AS, Ba, Be, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Tl (thallium), Zn, Hg, U

1/2 coolers 0.2-0.1/FF/0.1

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.

Chain-of-Custody Record

Client: CHD Services	Turn-Around Time: ☐ XStandard ☐ Rush
	Project Name: Jal Landfarm
Mailing Address: 6121 Indian School Rd NE #200 Albuquerque NM, 87110	Project #: 11208903
Phone #: 5058840672	
email or Fax#:	Project Manager: Christine Mathews
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	
Accreditation: ☐ NELAP ☐ Other ☐ EDD (Type)	Sampler: CN On Ice: ☒ XYes ☐ No Sample Temperature: 0.1-0.1cF/0.0c 0.5-0.1c/0.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 2003D30	8021 BTEX	8015 TPH GRO DRO ORO	300.0 Chloride	6010 Metals (see notes)	6020 Mercury										Air Bubbles (Y or N)
3/26/2020	1425	S	S-11208903-032620-CN-T7	Various	none	-013	X	X	X	X	X										
3/26/2020	1430	S	S-11208903-032620-CN-V7	Various	none	-014	X	X	X	X	X										
3/26/2020	1440	S	S-11208903-032620-CN-T8	Various	none	-015	X	X	X	X	X										
3/26/2020	1450	S	S-11208903-032620-CN-V8	Various	none	-016	X	X	X	X	X										
3/26/2020	1625	S	S-11208903-032620-CN-T9	Various	none	-017	X	X	X	X	X										
3/26/2020	1635	S	S-11208903-032620-CN-V9	Various	none	-018	X	X	X	X	X										
3/26/2020	1610	S	S-11208903-032620-CN-T10	Various	none	-019	X	X	X	X	X										
3/26/2020	1615	S	S-11208903-032620-CN-V10	Various	none	-020	X	X	X	X	X										
3/26/2020	1535	S	S-11208903-032620-CN-T11	Various	none	-021	X	X	X	X	X										
3/26/2020	1540	S	S-11208903-032620-CN-V11	Various	none	-022	X	X	X	X	X										
3/26/2020	1520	S	S-11208903-032620-CN-T12	Various	none	-023	X	X	X	X	X										
3/26/2020	1525	S	S-11208903-032620-CN-V12	Various	none	-024	X	X	X	X	X										

Date	Time	Relinquished by	Received by	Date	Time
3/30/20	0820	Chad Nelg	Fedex	3/31/20	0850

Remarks:
Metals List: Sb, AS, Ba, Be, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Tl (thallium), Zn, Hg, U

2/3 coolers

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.

Chain-of-Custody Record

Client: CHD Services	Turn-Around Time: ☐ XStandard ☐ Rush_____
	Project Name: Jal Landfarm
Mailing Address: 6121 Indian School Rd NE #200 Albuquerque NM, 87110	Project #: 11208903
Phone #: 5058840672	
email or Fax#:	Project Manager: Christine Mathews
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	
Accreditation: ☐ NELAP ☐ Other_____ ☐ EDD (Type) _____	Sampler: CN On Ice: ☐ XYes ☐ No Sample Temperature: 0.1-0.1|CF|0.0°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	0.5-0.1|CF|0.4 HEAL No. 2003D30	8021 BTEX	8015 TPH GRO DRO ORO	300.0 Chloride	6010 Metals (see notes)	6020 Mercury	Air Bubbles (Y or N)
3/26/2020	1555	S	S-11208903-032620-CN-T13	Various	none	-025	X	X	X	X	X	
3/26/2020	1500	S	S-11208903-032620-CN-V13	Various	none	-026	X	X	X	X	X	
3/26/2020	1510	S	S-11208903-032620-CN-T14	Various	none	-027	X	X	X	X	X	
3/26/2020	1515	S	S-11208903-032620-CN-V14	Various	none	-028	X	X	X	X	X	
3/26/2020	1600	S	S-11208903-032620-CN-T15	Various	none	-029	X	X	X	X	X	
3/26/2020	1605	S	S-11208903-032620-CN-V15	Various	none	-030	X	X	X	X	X	

Date	Time	Relinquished by	Received by	Date	Time
3/30/20	0930	[signature]	[signature] Fedex	3/31/20	0850

Remarks:
Metals List: Sb, AS, Ba, Be, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Tl (thallium), Zn, Hg, U

3/3 coolers. 0.2-0.1|CF|0.1°C

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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 10, 2020

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

RE: Jal Landfarm OrderNo.: 2003D30

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 30 sample(s) on 3/31/2020 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T1
Project: Jal Landfarm
Collection Date: 3/26/2020 10:35:00 AM
Lab ID: 2003D30-001 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 1:28:39 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Barium	110	0.20		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Beryllium	0.47	0.30		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Chromium	5.9	0.60		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Copper	1.9	0.80		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Iron	6100	250		mg/Kg	100	4/8/2020 7:59:33 AM	51629
Lead	ND	0.60		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Manganese	60	0.40		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Silver	0.66	0.50		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 8:53:47 AM	51629
Zinc	13	5.0		mg/Kg	2	4/8/2020 8:53:47 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Surr: BFB	98.1	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	22	8.9		mg/Kg	1	4/6/2020 5:47:26 AM	51498
Motor Oil Range Organics (MRO)	57	44		mg/Kg	1	4/6/2020 5:47:26 AM	51498
Surr: DNOP	108	55.1-146		%Rec	1	4/6/2020 5:47:26 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Toluene	ND	0.047		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2020 2:36:22 AM	51485
Surr: 1,2-Dichloroethane-d4	87.3	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485
Surr: Toluene-d8	102	70-130		%Rec	1	4/3/2020 2:36:22 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V1
Project: Jal Landfarm
Collection Date: 3/26/2020 10:40:00 AM
Lab ID: 2003D30-002 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 2:05:40 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Arsenic	17	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Barium	83	0.20		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Beryllium	0.66	0.29		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Chromium	9.3	0.59		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Copper	1.2	0.79		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Iron	9800	250		mg/Kg	100	4/8/2020 8:01:08 AM	51629
Lead	ND	0.59		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Manganese	250	0.39		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:27:44 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:22:33 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:04:17 AM	51629
Zinc	21	4.9		mg/Kg	2	4/8/2020 9:04:17 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Surr: BFB	99.0	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/4/2020 9:29:13 AM	51498
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 9:29:13 AM	51498
Surr: DNOP	73.8	55.1-146		%Rec	1	4/4/2020 9:29:13 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Toluene	ND	0.049		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Ethylbenzene	ND	0.049		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Xylenes, Total	ND	0.099		mg/Kg	1	4/3/2020 3:05:06 AM	51485
Surr: 1,2-Dichloroethane-d4	89.8	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485
Surr: Toluene-d8	106	70-130		%Rec	1	4/3/2020 3:05:06 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T2
Project: Jal Landfarm
Collection Date: 3/26/2020 11:00:00 AM
Lab ID: 2003D30-003 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 2:18:00 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Barium	260	0.20		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Beryllium	0.59	0.30		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Chromium	8.1	0.60		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Copper	3.6	0.80		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Iron	8300	250		mg/Kg	100	4/8/2020 8:02:35 AM	51629
Lead	ND	0.60		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Manganese	72	0.40		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:29:18 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:23:55 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 9:05:52 AM	51629
Zinc	16	5.0		mg/Kg	2	4/8/2020 9:05:52 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Surr: BFB	96.3	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	23	9.9		mg/Kg	1	4/4/2020 9:51:22 AM	51498
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	4/4/2020 9:51:22 AM	51498
Surr: DNOP	76.3	55.1-146		%Rec	1	4/4/2020 9:51:22 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Xylenes, Total	ND	0.099		mg/Kg	1	4/3/2020 3:33:51 AM	51485
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
Surr: Dibromofluoromethane	100	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485
Surr: Toluene-d8	103	70-130		%Rec	1	4/3/2020 3:33:51 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V2
Project: Jal Landfarm
Collection Date: 3/26/2020 1:30:00 PM
Lab ID: 2003D30-004 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 2:30:22 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Barium	87	0.20		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Beryllium	0.44	0.30		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Chromium	8.5	0.60		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Copper	2.4	0.80		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Iron	6100	250		mg/Kg	100	4/8/2020 8:04:01 AM	51629
Lead	0.64	0.60		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Manganese	63	0.40		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:30:53 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:25:16 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 9:07:26 AM	51629
Zinc	13	5.0		mg/Kg	2	4/8/2020 9:07:26 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Surr: BFB	99.1	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/4/2020 10:13:17 AM	51498
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 10:13:17 AM	51498
Surr: DNOP	83.5	55.1-146		%Rec	1	4/4/2020 10:13:17 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2020 4:02:35 AM	51485
Surr: 1,2-Dichloroethane-d4	92.4	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485
Surr: Toluene-d8	108	70-130		%Rec	1	4/3/2020 4:02:35 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V3
Project: Jal Landfarm
Collection Date: 3/26/2020 1:40:00 PM
Lab ID: 2003D30-005 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:07:23 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Arsenic	5.6	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Barium	55	0.20		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Beryllium	0.44	0.29		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Chromium	5.9	0.59		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Copper	ND	0.78		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Iron	6000	250		mg/Kg	100	4/8/2020 8:05:28 AM	51629
Lead	0.70	0.59		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Manganese	29	0.39		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:32:27 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:26:37 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:08:59 AM	51629
Zinc	12	4.9		mg/Kg	2	4/8/2020 9:08:59 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Surr: BFB	96.7	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/4/2020 10:35:25 AM	51498
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 10:35:25 AM	51498
Surr: DNOP	72.9	55.1-146		%Rec	1	4/4/2020 10:35:25 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Toluene	ND	0.048		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Xylenes, Total	ND	0.097		mg/Kg	1	4/3/2020 4:31:16 AM	51485
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485
Surr: Toluene-d8	102	70-130		%Rec	1	4/3/2020 4:31:16 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T3
Project: Jal Landfarm
Collection Date: 3/26/2020 1:45:00 PM
Lab ID: 2003D30-006 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:19:43 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Barium	63	0.20		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Beryllium	0.47	0.30		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Chromium	6.6	0.60		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Copper	1.6	0.79		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Iron	6400	250		mg/Kg	100	4/8/2020 8:06:55 AM	51629
Lead	0.93	0.60		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Manganese	54	0.40		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:34:01 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:27:52 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Uranium	ND	9.9		mg/Kg	2	4/8/2020 9:10:32 AM	51629
Zinc	15	5.0		mg/Kg	2	4/8/2020 9:10:32 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Surr: BFB	98.8	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	290	92		mg/Kg	10	4/6/2020 12:23:01 PM	51498
Motor Oil Range Organics (MRO)	690	460		mg/Kg	10	4/6/2020 12:23:01 PM	51498
Surr: DNOP	0	55.1-146	S	%Rec	10	4/6/2020 12:23:01 PM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Toluene	ND	0.047		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2020 4:59:55 AM	51485
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
Surr: Dibromofluoromethane	98.1	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485
Surr: Toluene-d8	111	70-130		%Rec	1	4/3/2020 4:59:55 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T4
Project: Jal Landfarm
Collection Date: 3/26/2020 1:50:00 PM
Lab ID: 2003D30-007 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:32:03 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Barium	66	0.20		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Beryllium	0.45	0.29		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Chromium	5.7	0.59		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Copper	1.3	0.79		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Iron	6000	250		mg/Kg	100	4/8/2020 8:08:23 AM	51629
Lead	ND	0.59		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Manganese	50	0.39		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:35:36 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:29:07 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:12:05 AM	51629
Zinc	14	4.9		mg/Kg	2	4/8/2020 9:12:05 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Surr: BFB	102	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	52	9.0		mg/Kg	1	4/4/2020 11:19:40 AM	51498
Motor Oil Range Organics (MRO)	120	45		mg/Kg	1	4/4/2020 11:19:40 AM	51498
Surr: DNOP	83.8	55.1-146		%Rec	1	4/4/2020 11:19:40 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2020 5:28:33 AM	51485
Surr: 1,2-Dichloroethane-d4	92.1	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485
Surr: Toluene-d8	107	70-130		%Rec	1	4/3/2020 5:28:33 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-v4
Project: Jal Landfarm
Collection Date: 3/26/2020 1:50:00 PM
Lab ID: 2003D30-008 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:44:23 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Barium	63	0.20		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Beryllium	0.43	0.30		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Chromium	6.5	0.59		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Copper	ND	0.79		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Iron	6100	250		mg/Kg	100	4/8/2020 8:09:50 AM	51629
Lead	ND	0.59		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Manganese	41	0.40		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Selenium	ND	4.9		mg/Kg	2	4/8/2020 11:44:13 AM	51629
Silver	ND	0.49		mg/Kg	2	4/8/2020 1:30:22 PM	51629
Thallium	ND	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Uranium	ND	9.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
Zinc	14	4.9		mg/Kg	2	4/8/2020 9:13:39 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Surr: BFB	99.4	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 11:41:36 AM	51498
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 11:41:36 AM	51498
Surr: DNOP	77.2	55.1-146		%Rec	1	4/4/2020 11:41:36 AM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Toluene	ND	0.050		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Ethylbenzene	ND	0.050		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Xylenes, Total	ND	0.10		mg/Kg	1	4/3/2020 5:56:57 AM	51485
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
Surr: Dibromofluoromethane	97.5	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485
Surr: Toluene-d8	106	70-130		%Rec	1	4/3/2020 5:56:57 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T5
Project: Jal Landfarm
Collection Date: 3/26/2020 2:05:00 PM
Lab ID: 2003D30-009 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 3:56:44 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Arsenic	ND	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Barium	45	0.19		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Beryllium	0.38	0.29		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Cadmium	ND	0.19		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Chromium	6.2	0.58		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Copper	3.5	0.77		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Iron	5000	240		mg/Kg	100	4/8/2020 8:11:17 AM	51629
Lead	3.0	0.58		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Manganese	67	0.39		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Selenium	ND	4.8		mg/Kg	2	4/8/2020 11:45:49 AM	51629
Silver	ND	0.48		mg/Kg	2	4/8/2020 1:31:43 PM	51629
Thallium	ND	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:15:13 AM	51629
Zinc	21	4.8		mg/Kg	2	4/8/2020 9:15:13 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Surr: BFB	98.1	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	4/4/2020 12:03:45 PM	51498
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	4/4/2020 12:03:45 PM	51498
Surr: DNOP	79.1	55.1-146		%Rec	1	4/4/2020 12:03:45 PM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Toluene	ND	0.048		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Ethylbenzene	ND	0.048		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Xylenes, Total	ND	0.097		mg/Kg	1	4/3/2020 6:25:30 AM	51485
Surr: 1,2-Dichloroethane-d4	94.7	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
Surr: Dibromofluoromethane	95.0	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485
Surr: Toluene-d8	100	70-130		%Rec	1	4/3/2020 6:25:30 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V5
Project: Jal Landfarm
Collection Date: 3/26/2020 2:00:00 PM
Lab ID: 2003D30-010 **Matrix:** SOIL
Received Date: 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	4/3/2020 4:09:05 PM	51532
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Barium	51	0.20		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Beryllium	0.42	0.30		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Cadmium	ND	0.20		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Chromium	8.1	0.60		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Copper	3.0	0.80		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Iron	5900	250		mg/Kg	100	4/8/2020 8:12:44 AM	51629
Lead	3.8	0.60		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Manganese	53	0.40		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Selenium	ND	5.0		mg/Kg	2	4/8/2020 11:47:22 AM	51629
Silver	ND	0.50		mg/Kg	2	4/8/2020 1:32:58 PM	51629
Thallium	ND	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Uranium	ND	10		mg/Kg	2	4/8/2020 9:16:47 AM	51629
Zinc	24	5.0		mg/Kg	2	4/8/2020 9:16:47 AM	51629
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Surr: BFB	96.7	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 12:25:49 PM	51498
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 12:25:49 PM	51498
Surr: DNOP	72.7	55.1-146		%Rec	1	4/4/2020 12:25:49 PM	51498
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.023		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Toluene	ND	0.047		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Ethylbenzene	ND	0.047		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Xylenes, Total	ND	0.094		mg/Kg	1	4/3/2020 6:53:59 AM	51485
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
Surr: Dibromofluoromethane	94.9	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485
Surr: Toluene-d8	103	70-130		%Rec	1	4/3/2020 6:53:59 AM	51485

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T6
Project: Jal Landfarm
Collection Date: 3/26/2020 2:10:00 PM
Lab ID: 2003D30-011 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 11:51:40 AM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.1		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 9:18:20 AM	51507
Barium	100	0.20		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Beryllium	0.36	0.31		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Chromium	5.6	0.61		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Copper	2.1	0.82		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Iron	5800	260		mg/Kg	100	4/6/2020 9:53:47 AM	51507
Lead	0.88	0.61		mg/Kg	2	4/8/2020 9:18:20 AM	51507
Manganese	58	0.41		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/8/2020 10:35:04 AM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 2:26:29 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:18:20 AM	51507
Zinc	13	5.1		mg/Kg	2	4/6/2020 2:26:29 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Surr: BFB	95.8	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/5/2020 6:15:07 PM	51523
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2020 6:15:07 PM	51523
Surr: DNOP	118	55.1-146		%Rec	1	4/5/2020 6:15:07 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Toluene	ND	0.050		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2020 9:28:31 PM	51487
Surr: 1,2-Dichloroethane-d4	91.1	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
Surr: Dibromofluoromethane	93.0	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487
Surr: Toluene-d8	94.2	70-130		%Rec	1	4/5/2020 9:28:31 PM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V6
Project: Jal Landfarm
Collection Date: 3/26/2020 2:15:00 PM
Lab ID: 2003D30-012 **Matrix:** SOIL
Received Date: 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	59		mg/Kg	20	4/4/2020 12:28:41 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.8		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Arsenic	ND	4.8		mg/Kg	2	4/8/2020 9:26:09 AM	51507
Barium	130	0.19		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Beryllium	0.31	0.29		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Chromium	5.2	0.58		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Copper	1.4	0.77		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Iron	4700	240		mg/Kg	100	4/6/2020 9:55:52 AM	51507
Lead	0.90	0.58		mg/Kg	2	4/8/2020 9:26:09 AM	51507
Manganese	37	0.39		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Selenium	ND	4.8		mg/Kg	2	4/8/2020 10:36:39 AM	51507
Silver	0.58	0.48		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Thallium	ND	4.8		mg/Kg	2	4/6/2020 2:28:13 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:26:09 AM	51507
Zinc	10	4.8		mg/Kg	2	4/6/2020 2:28:13 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Surr: BFB	99.3	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/4/2020 10:01:12 AM	51523
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2020 10:01:12 AM	51523
Surr: DNOP	74.0	55.1-146		%Rec	1	4/4/2020 10:01:12 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Toluene	ND	0.049		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/5/2020 10:57:49 PM	51487
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
Surr: Dibromofluoromethane	91.8	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487
Surr: Toluene-d8	98.3	70-130		%Rec	1	4/5/2020 10:57:49 PM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T7
Project: Jal Landfarm
Collection Date: 3/26/2020 2:25:00 PM
Lab ID: 2003D30-013 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 1:30:26 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.1		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 9:27:45 AM	51507
Barium	51	0.20		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Beryllium	ND	0.31		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Chromium	4.9	0.61		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Copper	2.2	0.82		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Iron	4900	260		mg/Kg	100	4/6/2020 9:57:57 AM	51507
Lead	0.98	0.61		mg/Kg	2	4/8/2020 9:27:45 AM	51507
Manganese	61	0.41		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/8/2020 10:38:12 AM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 2:29:54 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:27:45 AM	51507
Zinc	12	5.1		mg/Kg	2	4/6/2020 2:29:54 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Surr: BFB	97.3	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/4/2020 10:25:23 AM	51523
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 10:25:23 AM	51523
Surr: DNOP	73.6	55.1-146		%Rec	1	4/4/2020 10:25:23 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 2:26:11 AM	51487
Surr: 1,2-Dichloroethane-d4	89.6	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
Surr: Dibromofluoromethane	89.8	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487
Surr: Toluene-d8	97.5	70-130		%Rec	1	4/6/2020 2:26:11 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V7
Project: Jal Landfarm
Collection Date: 3/26/2020 2:30:00 PM
Lab ID: 2003D30-014 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 1:42:47 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.1		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 9:29:19 AM	51507
Barium	75	0.20		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Beryllium	0.36	0.30		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Chromium	6.2	0.61		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Copper	1.2	0.81		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Iron	5700	250		mg/Kg	100	4/6/2020 10:14:38 AM	51507
Lead	0.84	0.61		mg/Kg	2	4/8/2020 9:29:19 AM	51507
Manganese	48	0.40		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/8/2020 10:39:45 AM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 2:31:36 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:29:19 AM	51507
Zinc	13	5.1		mg/Kg	2	4/6/2020 2:31:36 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Surr: BFB	100	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 10:49:33 AM	51523
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 10:49:33 AM	51523
Surr: DNOP	66.2	55.1-146		%Rec	1	4/4/2020 10:49:33 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 2:55:52 AM	51487
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
Surr: Dibromofluoromethane	94.1	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487
Surr: Toluene-d8	97.8	70-130		%Rec	1	4/6/2020 2:55:52 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T8
Project: Jal Landfarm
Collection Date: 3/26/2020 2:40:00 PM
Lab ID: 2003D30-015 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 1:55:07 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.8		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Arsenic	ND	4.8		mg/Kg	2	4/8/2020 9:30:52 AM	51507
Barium	99	0.19		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Beryllium	0.39	0.29		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Chromium	5.8	0.58		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Copper	1.7	0.77		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Iron	6000	240		mg/Kg	100	4/6/2020 10:16:45 AM	51507
Lead	0.68	0.58		mg/Kg	2	4/8/2020 9:30:52 AM	51507
Manganese	54	0.39		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Selenium	ND	4.8		mg/Kg	2	4/8/2020 10:41:19 AM	51507
Silver	ND	0.48		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Thallium	ND	4.8		mg/Kg	2	4/6/2020 2:33:18 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:30:52 AM	51507
Zinc	13	4.8		mg/Kg	2	4/6/2020 2:33:18 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Surr: BFB	96.5	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	440	99		mg/Kg	10	4/5/2020 7:29:15 PM	51523
Motor Oil Range Organics (MRO)	510	490		mg/Kg	10	4/5/2020 7:29:15 PM	51523
Surr: DNOP	0	55.1-146	S	%Rec	10	4/5/2020 7:29:15 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 3:25:29 AM	51487
Surr: 1,2-Dichloroethane-d4	89.7	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
Surr: Dibromofluoromethane	91.2	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487
Surr: Toluene-d8	94.7	70-130		%Rec	1	4/6/2020 3:25:29 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V8
Project: Jal Landfarm
Collection Date: 3/26/2020 2:50:00 PM
Lab ID: 2003D30-016 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 2:07:29 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:32:26 AM	51507
Barium	110	0.19		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Beryllium	0.46	0.29		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Chromium	7.2	0.58		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Copper	ND	0.78		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Iron	7600	240		mg/Kg	100	4/6/2020 10:18:50 AM	51507
Lead	ND	0.58		mg/Kg	2	4/8/2020 9:32:26 AM	51507
Manganese	46	0.39		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/8/2020 10:42:53 AM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:35:02 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:32:26 AM	51507
Zinc	14	4.9		mg/Kg	2	4/6/2020 2:35:02 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Surr: BFB	99.2	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 11:38:12 AM	51523
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 11:38:12 AM	51523
Surr: DNOP	66.0	55.1-146		%Rec	1	4/4/2020 11:38:12 AM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 3:55:06 AM	51487
Surr: 1,2-Dichloroethane-d4	93.7	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
Surr: Dibromofluoromethane	94.6	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487
Surr: Toluene-d8	96.7	70-130		%Rec	1	4/6/2020 3:55:06 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T9
Project: Jal Landfarm
Collection Date: 3/26/2020 4:25:00 PM
Lab ID: 2003D30-017 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 2:19:49 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:34:01 AM	51507
Barium	100	0.20		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Beryllium	0.31	0.30		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Chromium	5.1	0.60		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Copper	2.3	0.80		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Iron	5600	250		mg/Kg	100	4/6/2020 10:20:43 AM	51507
Lead	0.64	0.60		mg/Kg	2	4/8/2020 9:34:01 AM	51507
Manganese	59	0.40		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:44:27 AM	51507
Silver	0.61	0.50		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:36:43 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:34:01 AM	51507
Zinc	14	5.0		mg/Kg	2	4/6/2020 2:36:43 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Surr: BFB	96.7	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 12:02:37 PM	51523
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/4/2020 12:02:37 PM	51523
Surr: DNOP	111	55.1-146		%Rec	1	4/4/2020 12:02:37 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 4:24:40 AM	51487
Surr: 1,2-Dichloroethane-d4	89.0	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
Surr: Dibromofluoromethane	93.4	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487
Surr: Toluene-d8	94.2	70-130		%Rec	1	4/6/2020 4:24:40 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V9
Project: Jal Landfarm
Collection Date: 3/26/2020 4:35:00 PM
Lab ID: 2003D30-018 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 2:32:09 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 9:35:35 AM	51507
Barium	94	0.19		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Beryllium	0.50	0.29		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Cadmium	ND	0.19		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Chromium	8.1	0.58		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Copper	ND	0.78		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Iron	8300	240		mg/Kg	100	4/6/2020 10:22:48 AM	51507
Lead	ND	0.58		mg/Kg	2	4/8/2020 9:35:35 AM	51507
Manganese	37	0.39		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/8/2020 10:46:02 AM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:38:25 PM	51507
Uranium	ND	9.7		mg/Kg	2	4/8/2020 9:35:35 AM	51507
Zinc	17	4.9		mg/Kg	2	4/6/2020 2:38:25 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Surr: BFB	98.7	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/4/2020 12:26:57 PM	51523
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 12:26:57 PM	51523
Surr: DNOP	93.1	55.1-146		%Rec	1	4/4/2020 12:26:57 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Xylenes, Total	ND	0.098		mg/Kg	1	4/6/2020 4:53:27 AM	51487
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
Surr: Dibromofluoromethane	93.1	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 4:53:27 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T10
Project: Jal Landfarm
Collection Date: 3/26/2020 2:10:00 PM
Lab ID: 2003D30-019 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 2:44:30 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:37:09 AM	51507
Barium	56	0.20		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Beryllium	0.30	0.30		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Chromium	5.2	0.60		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Copper	1.7	0.80		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Iron	5400	250		mg/Kg	100	4/6/2020 10:24:35 AM	51507
Lead	1.0	0.60		mg/Kg	2	4/8/2020 9:37:09 AM	51507
Manganese	43	0.40		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:47:36 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:40:06 PM	51507
Uranium	ND	9.9		mg/Kg	2	4/8/2020 9:37:09 AM	51507
Zinc	11	5.0		mg/Kg	2	4/6/2020 2:40:06 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Surr: BFB	101	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	28	9.7		mg/Kg	1	4/4/2020 12:51:27 PM	51523
Motor Oil Range Organics (MRO)	91	48		mg/Kg	1	4/4/2020 12:51:27 PM	51523
Surr: DNOP	114	55.1-146		%Rec	1	4/4/2020 12:51:27 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Xylenes, Total	ND	0.095		mg/Kg	1	4/6/2020 5:22:48 AM	51487
Surr: 1,2-Dichloroethane-d4	94.7	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 5:22:48 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V10
Project: Jal Landfarm
Collection Date: 3/26/2020 2:15:00 PM
Lab ID: 2003D30-020 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 2:56:52 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.2		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Arsenic	ND	5.2		mg/Kg	2	4/8/2020 9:38:43 AM	51507
Barium	130	0.21		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Beryllium	0.33	0.31		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Cadmium	ND	0.21		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Chromium	5.4	0.62		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Copper	2.3	0.83		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Iron	5400	260		mg/Kg	100	4/6/2020 10:26:40 AM	51507
Lead	ND	0.62		mg/Kg	2	4/8/2020 9:38:43 AM	51507
Manganese	49	0.41		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Selenium	ND	5.2		mg/Kg	2	4/8/2020 10:59:03 AM	51507
Silver	ND	0.52		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Thallium	ND	5.2		mg/Kg	2	4/6/2020 2:41:48 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:38:43 AM	51507
Zinc	12	5.2		mg/Kg	2	4/6/2020 2:41:48 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Surr: BFB	100	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/4/2020 2:05:08 PM	51523
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/4/2020 2:05:08 PM	51523
Surr: DNOP	85.2	55.1-146		%Rec	1	4/4/2020 2:05:08 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Xylenes, Total	ND	0.098		mg/Kg	1	4/6/2020 5:51:59 AM	51487
Surr: 1,2-Dichloroethane-d4	91.8	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
Surr: Dibromofluoromethane	94.2	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487
Surr: Toluene-d8	98.9	70-130		%Rec	1	4/6/2020 5:51:59 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T11
Project: Jal Landfarm
Collection Date: 3/26/2020 3:35:00 PM
Lab ID: 2003D30-021 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 3:33:55 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 9:40:18 AM	51507
Barium	100	0.20		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Beryllium	0.34	0.30		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Chromium	5.6	0.60		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Copper	2.0	0.80		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Iron	6300	250		mg/Kg	100	4/6/2020 10:28:45 AM	51507
Lead	1.1	0.60		mg/Kg	2	4/8/2020 9:40:18 AM	51507
Manganese	60	0.40		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:40:18 AM	51507
Zinc	13	5.0		mg/Kg	2	4/6/2020 2:51:09 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Surr: BFB	97.4	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 2:29:58 PM	51523
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 2:29:58 PM	51523
Surr: DNOP	82.4	55.1-146		%Rec	1	4/4/2020 2:29:58 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Xylenes, Total	ND	0.095		mg/Kg	1	4/6/2020 6:21:17 AM	51487
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
Surr: Dibromofluoromethane	99.6	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487
Surr: Toluene-d8	99.9	70-130		%Rec	1	4/6/2020 6:21:17 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V11
Project: Jal Landfarm
Collection Date: 3/26/2020 3:40:00 PM
Lab ID: 2003D30-022 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 3:46:16 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 11:00:38 AM	51507
Barium	80	0.20		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Beryllium	0.42	0.29		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Chromium	7.1	0.59		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Copper	ND	0.79		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Iron	7100	250		mg/Kg	100	4/6/2020 10:30:50 AM	51507
Lead	0.64	0.59		mg/Kg	2	4/8/2020 9:48:53 AM	51507
Manganese	34	0.39		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:48:53 AM	51507
Zinc	14	4.9		mg/Kg	2	4/6/2020 2:52:52 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Surr: BFB	99.6	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	4/4/2020 2:48:06 PM	51523
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/4/2020 2:48:06 PM	51523
Surr: DNOP	86.1	55.1-146		%Rec	1	4/4/2020 2:48:06 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Toluene	ND	0.048		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Ethylbenzene	ND	0.048		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Xylenes, Total	ND	0.096		mg/Kg	1	4/6/2020 6:50:36 AM	51487
Surr: 1,2-Dichloroethane-d4	94.4	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
Surr: Dibromofluoromethane	97.1	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487
Surr: Toluene-d8	99.1	70-130		%Rec	1	4/6/2020 6:50:36 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T12
Project: Jal Landfarm
Collection Date: 3/26/2020 3:20:00 PM
Lab ID: 2003D30-023 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 3:58:36 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Arsenic	ND	4.9		mg/Kg	2	4/8/2020 11:02:14 AM	51507
Barium	88	0.20		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Beryllium	0.42	0.29		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Chromium	8.1	0.59		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Copper	28	0.79		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Iron	8300	250		mg/Kg	100	4/6/2020 10:32:55 AM	51507
Lead	1.4	0.59		mg/Kg	2	4/8/2020 9:50:28 AM	51507
Manganese	62	0.39		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Selenium	ND	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Silver	ND	0.49		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Thallium	ND	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
Uranium	ND	9.8		mg/Kg	2	4/8/2020 9:50:28 AM	51507
Zinc	16	4.9		mg/Kg	2	4/6/2020 2:54:33 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Surr: BFB	98.5	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	30	9.1		mg/Kg	1	4/5/2020 7:53:55 PM	51523
Motor Oil Range Organics (MRO)	90	45		mg/Kg	1	4/5/2020 7:53:55 PM	51523
Surr: DNOP	106	55.1-146		%Rec	1	4/5/2020 7:53:55 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.025		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 7:19:55 AM	51487
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487
Surr: Toluene-d8	99.2	70-130		%Rec	1	4/6/2020 7:19:55 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V12
Project: Jal Landfarm
Collection Date: 3/26/2020 3:25:00 PM
Lab ID: 2003D30-024 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 4:10:57 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Arsenic	12	5.0		mg/Kg	2	4/8/2020 11:03:49 AM	51507
Barium	60	0.20		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Beryllium	0.69	0.30		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Chromium	9.9	0.60		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Copper	2.6	0.80		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Iron	12000	250		mg/Kg	100	4/6/2020 10:46:34 AM	51507
Lead	ND	0.60		mg/Kg	2	4/8/2020 9:52:03 AM	51507
Manganese	130	0.40		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:52:03 AM	51507
Zinc	23	5.0		mg/Kg	2	4/6/2020 2:56:15 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Surr: BFB	99.0	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/4/2020 4:04:59 PM	51523
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/4/2020 4:04:59 PM	51523
Surr: DNOP	76.9	55.1-146		%Rec	1	4/4/2020 4:04:59 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.024		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Toluene	ND	0.048		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Ethylbenzene	ND	0.048		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Xylenes, Total	ND	0.096		mg/Kg	1	4/6/2020 7:49:00 AM	51487
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
Surr: Dibromofluoromethane	97.7	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 7:49:00 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T13
Project: Jal Landfarm
Collection Date: 3/26/2020 3:05:00 PM
Lab ID: 2003D30-025 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 4:23:17 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Arsenic	ND	5.1		mg/Kg	2	4/8/2020 11:09:54 AM	51507
Barium	84	0.20		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Beryllium	0.39	0.30		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Chromium	6.3	0.61		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Copper	2.8	0.81		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Iron	6700	250		mg/Kg	100	4/6/2020 10:48:24 AM	51507
Lead	ND	0.61		mg/Kg	2	4/8/2020 9:58:20 AM	51507
Manganese	71	0.41		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:58:20 AM	51507
Zinc	13	5.1		mg/Kg	2	4/6/2020 3:03:06 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Surr: BFB	102	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	25	9.4		mg/Kg	1	4/4/2020 4:53:47 PM	51523
Motor Oil Range Organics (MRO)	81	47		mg/Kg	1	4/4/2020 4:53:47 PM	51523
Surr: DNOP	95.7	55.1-146		%Rec	1	4/4/2020 4:53:47 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.023		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Toluene	ND	0.046		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Ethylbenzene	ND	0.046		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Xylenes, Total	ND	0.092		mg/Kg	1	4/6/2020 8:18:26 AM	51487
Surr: 1,2-Dichloroethane-d4	88.5	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
Surr: Dibromofluoromethane	93.3	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487
Surr: Toluene-d8	101	70-130		%Rec	1	4/6/2020 8:18:26 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V13
Project: Jal Landfarm
Collection Date: 3/26/2020 3:00:00 PM
Lab ID: 2003D30-026 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	83	60		mg/Kg	20	4/4/2020 4:35:38 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Arsenic	5.8	5.1		mg/Kg	2	4/8/2020 11:11:21 AM	51507
Barium	75	0.20		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Beryllium	0.65	0.31		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Chromium	10	0.61		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Copper	1.5	0.81		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Iron	11000	250		mg/Kg	100	4/6/2020 10:50:29 AM	51507
Lead	ND	0.61		mg/Kg	2	4/8/2020 9:59:54 AM	51507
Manganese	77	0.41		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Selenium	ND	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Silver	ND	0.51		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Thallium	ND	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 9:59:54 AM	51507
Zinc	23	5.1		mg/Kg	2	4/6/2020 3:04:49 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Surr: BFB	99.2	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 6:07:21 PM	51523
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 6:07:21 PM	51523
Surr: DNOP	97.4	55.1-146		%Rec	1	4/4/2020 6:07:21 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.025		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Toluene	ND	0.050		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Ethylbenzene	ND	0.050		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Xylenes, Total	ND	0.099		mg/Kg	1	4/6/2020 8:47:58 AM	51487
Surr: 1,2-Dichloroethane-d4	90.6	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
Surr: Dibromofluoromethane	95.6	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487
Surr: Toluene-d8	97.9	70-130		%Rec	1	4/6/2020 8:47:58 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T14
Project: Jal Landfarm
Collection Date: 3/26/2020 3:10:00 PM
Lab ID: 2003D30-027 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 4:47:59 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:12:52 AM	51507
Barium	210	0.20		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Beryllium	0.33	0.30		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Chromium	4.6	0.60		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Copper	2.0	0.80		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Iron	4500	250		mg/Kg	100	4/6/2020 10:52:16 AM	51507
Lead	ND	0.60		mg/Kg	2	4/8/2020 10:01:28 AM	51507
Manganese	52	0.40		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Silver	1.5	0.50		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 10:01:28 AM	51507
Zinc	11	5.0		mg/Kg	2	4/6/2020 3:06:31 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Surr: BFB	99.0	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	11	8.8		mg/Kg	1	4/4/2020 6:31:54 PM	51523
Motor Oil Range Organics (MRO)	50	44		mg/Kg	1	4/4/2020 6:31:54 PM	51523
Surr: DNOP	108	55.1-146		%Rec	1	4/4/2020 6:31:54 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.023		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Xylenes, Total	ND	0.093		mg/Kg	1	4/6/2020 9:17:20 AM	51487
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
Surr: Dibromofluoromethane	98.0	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487
Surr: Toluene-d8	99.3	70-130		%Rec	1	4/6/2020 9:17:20 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V14
Project: Jal Landfarm
Collection Date: 3/26/2020 3:15:00 PM
Lab ID: 2003D30-028 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 5:00:19 PM	51558
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:21:26 AM	51507
Barium	63	0.20		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Beryllium	0.39	0.30		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Chromium	7.7	0.60		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Copper	ND	0.80		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Iron	7700	250		mg/Kg	100	4/6/2020 10:54:21 AM	51507
Lead	ND	0.60		mg/Kg	2	4/8/2020 10:03:02 AM	51507
Manganese	40	0.40		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:03:02 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:15:52 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 10:03:02 AM	51507
Zinc	16	5.0		mg/Kg	2	4/6/2020 3:15:52 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Surr: BFB	98.6	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2020 7:45:36 PM	51523
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2020 7:45:36 PM	51523
Surr: DNOP	84.7	55.1-146		%Rec	1	4/4/2020 7:45:36 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Toluene	ND	0.049		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Ethylbenzene	ND	0.049		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Xylenes, Total	ND	0.097		mg/Kg	1	4/6/2020 9:46:25 AM	51487
Surr: 1,2-Dichloroethane-d4	89.3	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
Surr: Dibromofluoromethane	92.9	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/6/2020 9:46:25 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-T15
Project: Jal Landfarm
Collection Date: 3/26/2020 4:00:00 PM
Lab ID: 2003D30-029 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	ND	60		mg/Kg	20	4/4/2020 7:53:12 PM	51561
EPA METHOD 6010B: SOIL METALS						Analyst:	**ELS**
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:23:01 AM	51507
Barium	210	0.20		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Beryllium	0.44	0.30		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Chromium	19	0.60		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Copper	230	0.79		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Iron	17000	250		mg/Kg	100	4/6/2020 10:56:08 AM	51507
Lead	3.9	0.60		mg/Kg	2	4/8/2020 10:10:53 AM	51507
Manganese	130	0.40		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:10:53 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:17:35 PM	51507
Uranium	ND	9.9		mg/Kg	2	4/8/2020 10:10:53 AM	51507
Zinc	35	5.0		mg/Kg	2	4/6/2020 3:17:35 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst:	**DJF**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Surr: BFB	97.0	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	180	9.2		mg/Kg	1	4/5/2020 8:18:26 PM	51523
Motor Oil Range Organics (MRO)	310	46		mg/Kg	1	4/5/2020 8:18:26 PM	51523
Surr: DNOP	120	55.1-146		%Rec	1	4/5/2020 8:18:26 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst:	**DJF**
Benzene	ND	0.024		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Xylenes, Total	ND	0.095		mg/Kg	1	4/6/2020 10:15:58 AM	51487
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
Surr: Dibromofluoromethane	94.3	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487
Surr: Toluene-d8	97.4	70-130		%Rec	1	4/6/2020 10:15:58 AM	51487

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

Qualifiers:

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

Analytical Report
Lab Order **2003D30**
Date Reported: **6/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-032620-CN-V15
Project: Jal Landfarm
Collection Date: 3/26/2020 4:05:00 PM
Lab ID: 2003D30-030 **Matrix:** SOIL **Received Date:** 3/31/2020 8:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	4/4/2020 8:54:56 PM	51561
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Antimony	ND	5.0		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Arsenic	ND	5.0		mg/Kg	2	4/8/2020 11:24:35 AM	51507
Barium	67	0.20		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Beryllium	0.37	0.30		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Cadmium	ND	0.20		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Chromium	6.1	0.60		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Copper	3.3	0.80		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Iron	7000	250		mg/Kg	100	4/6/2020 10:57:55 AM	51507
Lead	0.98	0.60		mg/Kg	2	4/8/2020 10:12:29 AM	51507
Manganese	120	0.40		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Selenium	ND	5.0		mg/Kg	2	4/8/2020 10:12:29 AM	51507
Silver	ND	0.50		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Thallium	ND	5.0		mg/Kg	2	4/6/2020 3:19:17 PM	51507
Uranium	ND	10		mg/Kg	2	4/8/2020 10:12:29 AM	51507
Zinc	18	5.0		mg/Kg	2	4/6/2020 3:19:17 PM	51507
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Surr: BFB	99.3	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/4/2020 8:34:43 PM	51523
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/4/2020 8:34:43 PM	51523
Surr: DNOP	75.0	55.1-146		%Rec	1	4/4/2020 8:34:43 PM	51523
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**	
Benzene	ND	0.023		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Toluene	ND	0.047		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Ethylbenzene	ND	0.047		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Xylenes, Total	ND	0.093		mg/Kg	1	4/6/2020 10:45:38 AM	51487
Surr: 1,2-Dichloroethane-d4	92.5	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
Surr: Dibromofluoromethane	96.5	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/6/2020 10:45:38 AM	51487

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

Qualifiers:

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

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-001 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-001A/S-11208903-032620-CN-T1 **Sampling Time** 10:35 AM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0579	4/22/2020 8:29:00 PM	MAM	EPA 6020A	
%moisture	6.5	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-002 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-002A/S-11208903-032620-CN-V1 **Sampling Time** 10:40 AM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0666	4/22/2020 9:08:00 PM	MAM	EPA 6020A	
%moisture	11.1	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-003 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-003A/S-11208903-032620-CN-T2 **Sampling Time** 11:00 AM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0654	4/22/2020 9:12:00 PM	MAM	EPA 6020A	
%moisture	7.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-004 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-004A/S-11208903-032620-CN-V2 **Sampling Time** 1:30 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0663	4/22/2020 9:16:00 PM	MAM	EPA 6020A	
%moisture	6	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-005 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-005A/S-11208903-032620-CN-V3 **Sampling Time** 1:40 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0584	4/22/2020 9:20:00 PM	MAM	EPA 6020A	
%moisture	5.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-006 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-006A/S-11208903-032620-CN-T3 **Sampling Time** 1:45 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.232	mg/Kg	0.0629	4/22/2020 9:25:00 PM	MAM	EPA 6020A	
%moisture	7.2	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-007 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-007A/S-11208903-032620-CN-T4 **Sampling Time** 1:50 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0583	4/22/2020 9:29:00 PM	MAM	EPA 6020A	
%moisture	7.2	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-008 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-008A/S-11208903-032620-CN-V4 **Sampling Time** 1:50 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0616	4/22/2020 9:33:00 PM	MAM	EPA 6020A	
%moisture	8.2	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-009 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-009A/S-11208903-032620-CN-T5 **Sampling Time** 2:05 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0860	mg/Kg	0.0523	4/22/2020 9:37:00 PM	MAM	EPA 6020A	
%moisture	18.9	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Address: 4901 HAWKINS NE SUITE D
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Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-010 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0010A/S-11208903-032620-CN-V5 **Sampling Time** 2:00 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0908	mg/Kg	0.0563	4/22/2020 9:42:00 PM	MAM	EPA 6020A	
%moisture	3.9	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-011 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0011A/S-11208903-032620-CN-T6 **Sampling Time** 2:10 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0551	4/22/2020 9:46:00 PM	MAM	EPA 6020A	
%moisture	6.5	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-012 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0012A/S-11208903-032620-CN-V6 **Sampling Time** 2:15 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.06	4/22/2020 10:07:00 PM	MAM	EPA 6020A	
%moisture	4.3	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-013 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0013A/S-11208903-032620-CN-T7 **Sampling Time** 2:25 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0628	4/28/2020 6:39:00 PM	MAM	EPA 6020A	
%moisture	20.1	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-014 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0014A/S-11208903-032620-CN-V7 **Sampling Time** 2:30 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0632	4/22/2020 10:16:00 PM	MAM	EPA 6020A	
%moisture	7.9	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-015 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0015A/S-11208903-032620-CN-T8 **Sampling Time** 2:40 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0609	4/22/2020 10:20:00 PM	MAM	EPA 6020A	
%moisture	7.1	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
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ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-016 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0016A/S-11208903-032620-CN-V8 **Sampling Time** 2:50 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0553	4/22/2020 10:24:00 PM	MAM	EPA 6020A	
%moisture	7.6	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-017 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0017A/S-11208903-032620-CN-T9 **Sampling Time** 4:25 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0926	mg/Kg	0.0566	4/22/2020 10:29:00 PM	MAM	EPA 6020A	
%moisture	6.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-018 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0018A/S-11208903-032620-CN-V9 **Sampling Time** 4:35 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0591	4/22/2020 10:33:00 PM	MAM	EPA 6020A	
%moisture	6	%		4/16/2020 5:06:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-019 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0019A/S-11208903-032620-CN-T10 **Sampling Time** 2:10 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0763	mg/Kg	0.0622	4/22/2020 10:37:00 PM	MAM	EPA 6020A	
%moisture	6.7	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-020 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0020A/S-11208903-032620-CN-V10 **Sampling Time** 2:15 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0618	4/22/2020 10:41:00 PM	MAM	EPA 6020A	
%moisture	6.8	%		4/16/2020 5:06:00 PM	MAM	%moisture	

Sample Number 200408003-021 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0021A/S-11208903-032620-CN-T11 **Sampling Time** 3:35 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0625	4/14/2020 5:06:00 PM	MAM	EPA 6020A	
%moisture	6.1	%		4/14/2020 2:12:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-022 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0022A/S-11208903-032620-CN-V11 **Sampling Time** 3:40 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0645	4/14/2020 5:36:00 PM	MAM	EPA 6020A	
%moisture	7	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-023 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0023A/S-11208903-032620-CN-T12 **Sampling Time** 3:20 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.0782	mg/Kg	0.0605	4/14/2020 5:40:00 PM	MAM	EPA 6020A	
%moisture	6.9	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-024 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0024A/S-11208903-032620-CN-V12 **Sampling Time** 3:25 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0636	4/14/2020 5:44:00 PM	MAM	EPA 6020A	
%moisture	10.3	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-025 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0025A/S-11208903-032620-CN-T13 **Sampling Time** 3:05 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.268	mg/Kg	0.06	4/14/2020 6:05:00 PM	MAM	EPA 6020A	
%moisture	9.4	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-026 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0026A/S-11208903-032620-CN-V13 **Sampling Time** 3:00 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0628	4/14/2020 6:10:00 PM	MAM	EPA 6020A	
%moisture	9.1	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-027 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0027A/S-11208903-032620-CN-T14 **Sampling Time** 3:10 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.059	4/14/2020 6:14:00 PM	MAM	EPA 6020A	
%moisture	7.7	%		4/14/2020 2:12:00 PM	MAM	%moisture	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Sample Number 200408003-028 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0028A/S-11208903-032620-CN-V14 **Sampling Time** 3:15 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0623	4/14/2020 6:18:00 PM	MAM	EPA 6020A	
%moisture	2.3	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-029 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0029A/S-11208903-032620-CN-T15 **Sampling Time** 4:00 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	0.321	mg/Kg	0.0662	4/14/2020 6:23:00 PM	MAM	EPA 6020A	
%moisture	9.6	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Sample Number 200408003-030 **Sampling Date** 3/26/2020 **Date/Time Received** 4/8/2020 11:54 AM
Client Sample ID 2003D30-0030A/S-11208903-032620-CN-V15 **Sampling Time** 4:05 PM
Matrix Solid
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Mercury-ICPMS	ND	mg/Kg	0.0641	4/14/2020 6:27:00 PM	MAM	EPA 6020A	
%moisture	7.7	%		4/14/2020 2:12:00 PM	MAM	%moisture	

Authorized Signature

Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 200408003
Project Name: 2003D30

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Mercury-ICPMS	0.0271	mg/Kg	0.025	108.4	80-120	4/20/2020	4/28/2020
Mercury-ICPMS	0.0283	mg/Kg	0.025	113.2	80-120	4/20/2020	4/22/2020
Mercury-ICPMS	0.0260	mg/Kg	0.025	104.0	80-120	4/14/2020	4/14/2020

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
200408003-001A	Mercury-ICPMS	ND	0.348	mg/Kg	0.29	120.0	75-125	4/20/2020	4/28/2020
200408003-001	Mercury-ICPMS	ND	0.355	mg/kg	0.29	122.4	75-125	4/20/2020	4/22/2020
200408003-021	Mercury-ICPMS	ND	0.388	mg/Kg	0.313	124.0	75-125	4/14/2020	4/14/2020

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Mercury-ICPMS	0.346	mg/Kg	0.29	119.3	0.6	0-20	4/20/2020	4/28/2020
Mercury-ICPMS	0.346	mg/Kg	0.29	119.3	2.6	0-20	4/20/2020	4/22/2020
Mercury-ICPMS	0.403	mg/Kg	0.313	128.8	3.8	0-20	4/14/2020	4/14/2020

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Mercury-ICPMS	ND	mg/Kg	0.0001	4/20/2020	4/28/2020
Mercury-ICPMS	ND	mg/Kg	0.0001	4/20/2020	4/22/2020
Mercury-ICPMS	ND	mg/Kg	0.0001	4/14/2020	4/14/2020

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013;NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Login Report

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-001 **Customer Sample #:** 2003D30-001A/S-11208903-032620-CN-T1

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 10:35 AM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-002 **Customer Sample #:** 2003D30-002A/S-11208903-032620-CN-V1

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 10:40 AM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-003 **Customer Sample #:** 2003D30-003A/S-11208903-032620-CN-T2

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 11:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-004 **Customer Sample #:** 2003D30-004A/S-11208903-032620-CN-V2

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:30 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-005 **Customer Sample #:** 2003D30-005A/S-11208903-032620-CN-T3

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:40 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-006 **Customer Sample #:** 2003D30-006A/S-11208903-032620-CN-V3

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:45 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-007 **Customer Sample #:** 2003D30-007A/S-11208903-032620-CN-T4

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-008 **Customer Sample #:** 2003D30-008A/S-11208903-032620-CN-V4

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 1:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-009 **Customer Sample #:** 2003D30-009A/S-11208903-032620-CN-T5

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:05 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-010 **Customer Sample #:** 2003D30-0010A/S-11208903-032620-CN-V5

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-011 **Customer Sample #:** 2003D30-0011A/S-11208903-032620-CN-T6

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:10 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-012 **Customer Sample #:** 2003D30-0012A/S-11208903-032620-CN-V6

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:15 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-013 **Customer Sample #:** 2003D30-0013A/S-11208903-032620-CN-T7

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:25 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-014 **Customer Sample #:** 2003D30-0014A/S-11208903-032620-CN-V7

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:30 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-015 **Customer Sample #:** 2003D30-0015A/S-11208903-032620-CN-T8

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:40 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-016 **Customer Sample #:** 2003D30-0016A/S-11208903-032620-CN-V8

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-017 **Customer Sample #:** 2003D30-0017A/S-11208903-032620-CN-T9

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:25 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-018 **Customer Sample #:** 2003D30-0018A/S-11208903-032620-CN-V9

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:35 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-019 **Customer Sample #:** 2003D30-0019A/S-11208903-032620-CN-T10

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:10 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-020 **Customer Sample #:** 2003D30-0020A/S-11208903-032620-CN-V10

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 2:15 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-021 **Customer Sample #:** 2003D30-0021A/S-11208903-032620-CN-T11

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:35 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-022 **Customer Sample #:** 2003D30-0022A/S-11208903-032620-CN-V11

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:40 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-023 **Customer Sample #:** 2003D30-0023A/S-11208903-032620-CN-T12

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:20 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-024 **Customer Sample #:** 2003D30-0024A/S-11208903-032620-CN-V12

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:25 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-025 **Customer Sample #:** 2003D30-0025A/S-11208903-032620-CN-T13

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:05 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-026 **Customer Sample #:** 2003D30-0026A/S-11208903-032620-CN-V13

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-027 **Customer Sample #:** 2003D30-0027A/S-11208903-032620-CN-T14

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:10 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name: HALL ENVIRONMENTAL ANALYSIS LAB
4901 HAWKINS NE SUITE D
ALBUQUERQUE NM 87109

Order ID: 200408003
Order Date: 4/8/2020

Contact Name: ANDY FREEMAN
Project Name: 2003D30
Comment:

Sample #: 200408003-028 **Customer Sample #:** 2003D30-0028A/S-11208903-032620-CN-V14

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 3:15 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-029 **Customer Sample #:** 2003D30-0029A/S-11208903-032620-CN-T15

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Sample #: 200408003-030 **Customer Sample #:** 2003D30-0030A/S-11208903-032620-CN-V15

Recv'd: ☑ **Matrix:** Solid **Collector:** **Date Collected:** 3/26/2020
Quantity: 1 **Date Received:** 4/8/2020 11:54:00 AM **Time Collected:** 4:05 PM
Comment:

Test	Lab	Method	Due Date	Priority
%Moisture	M	%moisture	4/20/2020	***Normal (~10 Days)***
MERCURY-ICPMS	M	EPA 6020A	4/20/2020	***Normal (~10 Days)***

Customer Name:	HALL ENVIRONMENTAL ANALYSIS LAB			**Order ID:**	200408003
	4901 HAWKINS NE SUITE D			**Order Date:**	4/8/2020
	ALBUQUERQUE	NM	87109		
Contact Name:	ANDY FREEMAN			**Project Name:**	2003D30
Comment:					

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	4.6
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	N/A
Are VOC samples free of headspace?	N/A
Is there a trip blank to accompany VOC samples?	N/A
Labels and chain agree?	Yes
Total number of containers?	30

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 3

200408 003 HALL Last Due 4/20/2020
1st SAMP 3/26/2020 1st RCVD 4/8/2020
2003D30

SUB CONTRATOR:	Anatek Labs	COMPANY:	Anatek Labs, Inc.	PHONE: (208) 883-2839	FAX: (208) 882-9246
ADDRESS:	1282 Alturas Dr			ACCOUNT #:	EMAIL:
CITY, STATE, ZIP:	Moscow, ID 83843				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2003D30-001B	S-11208903-032620-CN-T1	4OZGU	Soil	3/26/2020 10:35:00 AM	1	Hg by 6020
2	2003D30-002B	S-11208903-032620-CN-V1	4OZGU	Soil	3/26/2020 10:40:00 AM	1	Hg by 6020
3	2003D30-003B	S-11208903-032620-CN-T2	4OZGU	Soil	3/26/2020 11:00:00 AM	1	Hg by 6020
4	2003D30-004B	S-11208903-032620-CN-V2	4OZGU	Soil	3/26/2020 1:30:00 PM	1	Hg by 6020
5	2003D30-005B	S-11208903-032620-CN-T3	4OZGU	Soil	3/26/2020 1:40:00 PM	1	Hg by 6020
6	2003D30-006B	S-11208903-032620-CN-V3	4OZGU	Soil	3/26/2020 1:45:00 PM	1	Hg by 6020
7	2003D30-007B	S-11208903-032620-CN-T4	4OZGU	Soil	3/26/2020 1:50:00 PM	1	Hg by 6020
8	2003D30-008B	S-11208903-032620-CN-v4	4OZGU	Soil	3/26/2020 1:50:00 PM	1	Hg by 6020
9	2003D30-009B	S-11208903-032620-CN-T5	4OZGU	Soil	3/26/2020 2:05:00 PM	1	Hg by 6020
10	2003D30-010B	S-11208903-032620-CN-V5	4OZGU	Soil	3/26/2020 2:00:00 PM	1	Hg by 6020
11	2003D30-011B	S-11208903-032620-CN-T6	4OZGU	Soil	3/26/2020 2:10:00 PM	1	Hg by 6020
12	2003D30-012B	S-11208903-032620-CN-V6	4OZGU	Soil	3/26/2020 2:15:00 PM	1	Hg by 6020
13	2003D30-013B	S-11208903-032620-CN-T7	4OZGU	Soil	3/26/2020 2:25:00 PM	1	Hg by 6020

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/7/2020	Time: 12:00 PM	Received By: HS	Date: 4-8-20	Time: 11:54
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ ℃ Attempt to Cool ? ____
Comments: ____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 2 OF: 3

200408 003 HALL Last Due 4/20/2020
1st SAMP 3/26/2020 1st RCVD 4/8/2020
2003D30

SUB CONTRATOR:	Anatek Labs	COMPANY:	Anatek Labs, Inc.	PHONE: (208) 883-2839	FAX: (208) 882-9246
ADDRESS:	1282 Alturas Dr			ACCOUNT #:	EMAIL:
CITY, STATE, ZIP:	Moscow, ID 83843				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
14	2003D30-014B	S-11208903-032620-CN-V7	4OZGU	Soil	3/26/2020 2:30:00 PM	1	Hg by 6020
15	2003D30-015B	S-11208903-032620-CN-T8	4OZGU	Soil	3/26/2020 2:40:00 PM	1	Hg by 6020
16	2003D30-016B	S-11208903-032620-CN-V8	4OZGU	Soil	3/26/2020 2:50:00 PM	1	Hg by 6020
17	2003D30-017B	S-11208903-032620-CN-T9	4OZGU	Soil	3/26/2020 4:25:00 PM	1	Hg by 6020
18	2003D30-018B	S-11208903-032620-CN-V9	4OZGU	Soil	3/26/2020 4:35:00 PM	1	Hg by 6020
19	2003D30-019B	S-11208903-032620-CN-T10	4OZGU	Soil	3/26/2020 2:10:00 PM	1	Hg by 6020
20	2003D30-020B	S-11208903-032620-CN-V10	4OZGU	Soil	3/26/2020 2:15:00 PM	1	Hg by 6020
21	2003D30-021B	S-11208903-032620-CN-T11	4OZGU	Soil	3/26/2020 3:35:00 PM	1	Hg by 6020
22	2003D30-022B	S-11208903-032620-CN-V11	4OZGU	Soil	3/26/2020 3:40:00 PM	1	Hg by 6020
23	2003D30-023B	S-11208903-032620-CN-T12	4OZGU	Soil	3/26/2020 3:20:00 PM	1	Hg by 6020
24	2003D30-024B	S-11208903-032620-CN-V12	4OZGU	Soil	3/26/2020 3:25:00 PM	1	Hg by 6020
25	2003D30-025B	S-11208903-032620-CN-T13	4OZGU	Soil	3/26/2020 3:05:00 PM	1	Hg by 6020
26	2003D30-026B	S-11208903-032620-CN-V13	4OZGU	Soil	3/26/2020 3:00:00 PM	1	Hg by 6020

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/7/2020	Time: 12:00 PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ ℃ Attempt to Cool ? ____
Comments: ____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 3 OF: 3

200408 003 HALL Last Due 4/20/2020
1st SAMP 3/26/2020 1st RCVD 4/8/2020
2003D30

www.hallenvironmental.com

SUB CONTRATOR: Anatek Labs	COMPANY: Anatek Labs, Inc.		PHONE: (208) 883-2839	FAX: (208) 882-9246	
ADDRESS: 1282 Alturas Dr			ACCOUNT #:	EMAIL:	
CITY, STATE, ZIP: Moscow, ID 83843					

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
27	2003D30-027B	S-11208903-032620-CN-T14	4OZGU	Soil	3/26/2020 3:10:00 PM	1	Hg by 6020
28	2003D30-028B	S-11208903-032620-CN-V14	4OZGU	Soil	3/26/2020 3:15:00 PM	1	Hg by 6020
29	2003D30-029B	S-11208903-032620-CN-T15	4OZGU	Soil	3/26/2020 4:00:00 PM	1	Hg by 6020
30	2003D30-030B	S-11208903-032620-CN-V15	4OZGU	Soil	3/26/2020 4:05:00 PM	1	Hg by 6020

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 4/7/2020	Time: 12:00 PM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ ℃ Attempt to Cool ? ____
Comments: ____

Hannah Sullivan

From: Andy Freeman <andy@hallenvironmental.com>
Sent: Wednesday, April 8, 2020 1:45 PM
To: Hannah Sullivan
Subject: RE: Sample ID issue

Hi Hannah,

It is fine to use the A jars. You can log in as A.

We have two different jars per sample. A and B. We just sent the A instead of B. They are the same thing.

Thank you,

Andy Freeman - Hall Environmental, 4901 Hawkins NE, Albuquerque, NM 87109, 505-345-3975, 505-345-4107 fax
www.hallenvironmental.com - andy@hallenvironmental.com - https://www.surveymonkey.com/r/NGVXRBV

For easy access to all of your past reports, setup an account on the Hall Environmental Web Portal. Just visit our website and follow the instructions for setting up an account.
We welcome your feedback. Please visit the survey monkey link to complete a brief survey on your experience with Hall Environmental.

From: Hannah Sullivan <hannahs@anateklabs.com>
Sent: Wednesday, April 8, 2020 2:42 PM
To: Andy Freeman <andy@hallenvironmental.com>
Subject: Sample ID issue

Hi Andy,

We received the thirty soil samples for Hg 6020 analysis and have just a slight issue with the labels. The chain lists them as 2003D30-001B through -030B, but the jars all have -001A through -030A instead. The sample time and client IDs match exactly for all 30 though, so I wanted to check and see if that was a typo.

Thanks!

Hannah Sullivan
Shipping & Receiving
Anatek Labs, Inc
1282 Alturas Dr
Moscow, ID 83843
(208) 883-2839

Notice of Confidentiality

Anatek Labs, Inc.

Sample Receipt and Preservation Form

200408 003 **HALL** Last Due 4/20/2020

1st SAMP 3/26/2020 1st RCVD 4/8/2020

Client Name: Hall Project: 2003D30

TAT: (Normal) RUSH: _____ days

Samples Received From: (FedEx) UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: (Yes) No Custody Seals Intact: (Yes) No N/A

Number of Coolers/Boxes: 1 Type of Ice: Ice/(Ice Packs) Blue Ice Dry Ice None

Packing Material: (Bubble Wrap) Bags Foam/Peanuts (None) Other: paper

Cooler Temp As Read (°C): 4.6 Cooler Temp Corrected (°C): 4.6 Thermometer Used: IR-3

				Comments:
Samples Received Intact?	(Yes)	No	N/A	
Chain of Custody Present?	(Yes)	No	N/A	
Samples Received Within Hold Time?	(Yes)	No	N/A	
Samples Properly Preserved?	Yes	No	(N/A)	
VOC Vials Free of Headspace (<6mm)?	Yes	No	(N/A)	
VOC Trip Blanks Present?	Yes	No	(N/A)	
Labels and Chains Agree?	(Yes)	(No)	N/A	chain lists - XXXB, containers - XXXA
Total Number of Sample Bottles Received: 30				client ID is the same though. probably a typo, but will email to double check
Chain of Custody Fully Completed?	(Yes)	No	N/A	
Correct Containers Received?	(Yes)	No	N/A	
Anatek Bottles Used?	Yes	(No)	Unknown	

Record preservatives (and lot numbers, if known) for containers below:

None

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

see attached email HB

Received/Inspected By: HB Date/Time: 4-8-20 11:54

Form F18.00 - Eff 8 Feb 2019 Page 1 of 1

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-51532**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51532**	RunNo: **67815**							
Prep Date: **4/3/2020**	Analysis Date: **4/3/2020**	SeqNo: **2342819**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51532**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51532**	RunNo: **67815**							
Prep Date: **4/3/2020**	Analysis Date: **4/3/2020**	SeqNo: **2342820**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Sample ID: **MB-51558**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51558**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343754**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51558**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51558**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343755**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID: **MB-51561**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **51561**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343786**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-51561**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **51561**	RunNo: **67852**							
Prep Date: **4/4/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343787**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **LCS-51498**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **51498**	RunNo: **67841**							
Prep Date: **4/1/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343245**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	93.0	70	130			
Surr: DNOP	4.4		5.000		88.7	55.1	146			

Sample ID: **MB-51498**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **51498**	RunNo: **67841**							
Prep Date: **4/1/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343246**	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	8.2		10.00		82.4	55.1	146			

Sample ID: **MB-51523**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **51523**	RunNo: **67837**							
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343707**	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	10		10.00		105	55.1	146			

Sample ID: **LCS-51523**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **51523**	RunNo: **67837**							
Prep Date: **4/2/2020**	Analysis Date: **4/4/2020**	SeqNo: **2343709**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.3		5.000		86.3	55.1	146			

Sample ID: **2003D30-011AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **S-11208903-032620-**	Batch ID: **51523**	RunNo: **67858**							
Prep Date: **4/2/2020**	Analysis Date: **4/5/2020**	SeqNo: **2344533**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.2	45.87	0	119	47.4	136			
Surr: DNOP	5.1		4.587		111	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003D30-011AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-** Batch ID: **51523** RunNo: **67858**
Prep Date: **4/2/2020** Analysis Date: **4/5/2020** SeqNo: **2344534** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	68	9.9	49.60	0	137	47.4	136	21.6	43.4	S
Surr: DNOP	5.8		4.960		118	55.1	146	0	0	

Sample ID: **2003D30-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-** Batch ID: **51498** RunNo: **67874**
Prep Date: **4/1/2020** Analysis Date: **4/6/2020** SeqNo: **2344753** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	66	9.6	47.89	22.36	91.5	47.4	136			
Surr: DNOP	5.1		4.789		107	55.1	146			

Sample ID: **2003D30-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-032620-** Batch ID: **51498** RunNo: **67874**
Prep Date: **4/1/2020** Analysis Date: **4/6/2020** SeqNo: **2344756** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	9.7	48.69	22.36	73.4	47.4	136	13.0	43.4	
Surr: DNOP	4.4		4.869		91.4	55.1	146	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **mb-51485**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **51485**	RunNo: **67805**
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342066** Units: **mg/Kg**

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: 1,2-Dichloroethane-d4	0.47		0.5000		93.9	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.4	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.4	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID: **lcs-51485**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **51485**	RunNo: **67805**
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342067** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	70	130			
Toluene	1.1	0.050	1.000	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.1	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.44		0.5000		87.3	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: **mb-51487**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345162** Units: **mg/Kg**

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: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.2	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Sample ID: **lcs-51487**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345164** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **lcs-51487**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.6	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		97.0	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: **2003d30-011ams**	SampType: **MS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345169** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	0.9852	0	86.5	80	120			
Toluene	0.95	0.049	0.9852	0	96.6	80	120			
Ethylbenzene	0.99	0.049	0.9852	0	100	80	120			
Xylenes, Total	2.9	0.099	2.956	0	97.6	80	120			
Surr: 4-Bromofluorobenzene	0.45		0.4926		92.0	70	130			
Surr: Toluene-d8	0.48		0.4926		96.5	70	130			

Sample ID: **2003d30-011amsd**	SampType: **MSD4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.023	0.9200	0	89.1	80	120	3.83	20	
Toluene	0.94	0.046	0.9200	0	102	80	120	1.02	20	
Ethylbenzene	0.98	0.046	0.9200	0	106	80	120	1.03	20	
Xylenes, Total	2.8	0.092	2.760	0	102	80	120	2.43	20	
Surr: 4-Bromofluorobenzene	0.44		0.4600		96.6	70	130	0	0	
Surr: Toluene-d8	0.45		0.4600		98.4	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **LCS-51507**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**							
Client ID: **LCSS**	Batch ID: **51507**	RunNo: **67877**							
Prep Date: **4/2/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345006**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	22	2.5	25.00	0	88.5	80	120			
Barium	24	0.10	25.00	0	95.4	80	120			
Beryllium	24	0.15	25.00	0	95.9	80	120			
Cadmium	24	0.10	25.00	0	96.2	80	120			
Chromium	24	0.30	25.00	0	96.2	80	120			
Copper	26	0.40	25.00	0	105	80	120			
Iron	26	2.5	25.00	0	104	80	120			B
Lead	23	0.30	25.00	0	92.9	80	120			
Manganese	24	0.20	25.00	0	96.1	80	120			
Selenium	23	2.5	25.00	0	90.9	80	120			
Silver	4.4	0.25	5.000	0	87.3	80	120			
Zinc	24	2.5	25.00	0	95.9	80	120			

Sample ID: **MB-51507**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**							
Client ID: **PBS**	Batch ID: **51507**	RunNo: **67877**							
Prep Date: **4/2/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345007**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	3.6	2.5								

Sample ID: **MB-51507**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**							
Client ID: **PBS**	Batch ID: **51507**	RunNo: **67877**							
Prep Date: **4/2/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345024**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.40								
Lead	ND	0.30								
Manganese	ND	0.20								
Selenium	ND	2.5								
Silver	ND	0.25								
Zinc	ND	2.5								

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-51507** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	2.5								
Thallium	ND	2.5								

Sample ID: **LCS-51507** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345683** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	96.7	80	120			
Thallium	23	2.5	25.00	0	93.3	80	120			

Sample ID: **2003D30-024AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345724** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	5.0	25.24	0	0	75	125			S
Barium	82	0.20	25.24	60.30	86.0	75	125			
Beryllium	26	0.30	25.24	0.6851	102	75	125			
Cadmium	24	0.20	25.24	0	96.5	75	125			
Chromium	35	0.61	25.24	9.932	100	75	125			
Copper	28	0.81	25.24	2.618	99.9	75	125			
Manganese	86	0.40	25.24	134.1	-191	75	125			S
Selenium	21	5.0	25.24	0	83.8	75	125			
Silver	2.8	0.50	5.047	0	55.4	75	125			S
Thallium	ND	5.0	25.24	0	0	75	125			S
Zinc	49	5.0	25.24	23.18	102	75	125			

Sample ID: **2003D30-024AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	4.8	24.00	0	18.2	75	125	0	20	RS
Barium	94	0.19	24.00	60.30	139	75	125	13.3	20	S
Beryllium	24	0.29	24.00	0.6851	97.6	75	125	9.06	20	
Cadmium	23	0.19	24.00	0	94.3	75	125	7.32	20	
Chromium	34	0.58	24.00	9.932	98.4	75	125	4.96	20	
Copper	28	0.77	24.00	2.618	106	75	125	0.414	20	
Manganese	74	0.38	24.00	134.1	-249	75	125	14.5	20	S

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003D30-024AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-** Batch ID: **51507** RunNo: **67877**
Prep Date: **4/2/2020** Analysis Date: **4/6/2020** SeqNo: **2345725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	19	4.8	24.00	0	78.3	75	125	11.9	20	
Silver	2.8	0.48	4.799	0	58.8	75	125	0.821	20	S
Thallium	ND	4.8	24.00	0	0	75	125	0	20	S
Zinc	46	4.8	24.00	23.18	95.6	75	125	6.16	20	

Sample ID: **LCS-51629** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **51629** RunNo: **67961**
Prep Date: **4/7/2020** Analysis Date: **4/8/2020** SeqNo: **2348144** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	24	2.5	25.00	0	96.0	80	120			
Arsenic	24	2.5	25.00	0	95.9	80	120			
Barium	24	0.10	25.00	0	96.5	80	120			
Beryllium	25	0.15	25.00	0	102	80	120			
Cadmium	24	0.10	25.00	0	95.5	80	120			
Chromium	24	0.30	25.00	0	96.9	80	120			
Copper	26	0.40	25.00	0	102	80	120			B
Iron	27	2.5	25.00	0	107	80	120			
Lead	24	0.30	25.00	0	97.3	80	120			
Manganese	24	0.20	25.00	0	97.7	80	120			
Selenium	25	2.5	25.00	0	98.6	80	120			
Silver	4.7	0.25	5.000	0	93.0	80	120			
Thallium	24	2.5	25.00	0	95.5	80	120			
Uranium	25	5.0	25.00	0	101	80	120			
Zinc	23	2.5	25.00	0	93.9	80	120			

Sample ID: **MB-51629** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **51629** RunNo: **67961**
Prep Date: **4/7/2020** Analysis Date: **4/8/2020** SeqNo: **2348146** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Antimony	ND	2.5								
Arsenic	ND	2.5								
Barium	ND	0.10								
Beryllium	ND	0.15								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	0.45	0.40								
Iron	ND	2.5								
Lead	ND	0.30								

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-51629**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **51629**	RunNo: **67961**
Prep Date: **4/7/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348146** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Manganese	ND	0.20								
Selenium	ND	2.5								
Silver	ND	0.25								
Thallium	ND	2.5								
Uranium	ND	5.0								
Zinc	ND	2.5								

Sample ID: **MB-51507**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348150** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	ND	5.0								

Sample ID: **LCS-51507**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348151** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Uranium	25	5.0	25.00	0	99.3	80	120			

Sample ID: **2003D30-024AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348224** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	24	0.61	25.24	0	96.1	75	125			
Uranium	ND	10	25.24	0	0	75	125			S

Sample ID: **2003D30-024AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348225** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	22	0.58	24.00	0	91.0	75	125	10.4	20	
Uranium	ND	9.6	24.00	0	0	75	125	0	20	S

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003D30-024AMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348264** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	42	5.0	25.24	12.40	117	75	125			

Sample ID: **2003D30-024AMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-032620-**	Batch ID: **51507**	RunNo: **67961**
Prep Date: **4/2/2020**	Analysis Date: **4/8/2020**	SeqNo: **2348265** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	28	4.8	24.00	12.40	64.4	75	125	40.3	20	RS

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **mb-51485**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51485**	RunNo: **67805**
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342171** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	470		500.0		94.7	70	130			

Sample ID: **lcs-51485**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51485**	RunNo: **67805**
Prep Date: **4/1/2020**	Analysis Date: **4/2/2020**	SeqNo: **2342172** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.5	70	130			
Surr: BFB	490		500.0		98.5	70	130			

Sample ID: **mb-51487**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345213** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		98.6	70	130			

Sample ID: **lcs-51487**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/5/2020**	SeqNo: **2345214** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	70	130			
Surr: BFB	500		500.0		99.3	70	130			

Sample ID: **2003d30-012ams**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345218** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.37	0	93.0	70	130			
Surr: BFB	480		487.3		98.2	70	130			

Sample ID: **2003d30-012amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-11208903-032620-**	Batch ID: **51487**	RunNo: **67881**
Prep Date: **4/1/2020**	Analysis Date: **4/6/2020**	SeqNo: **2345219** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2003D30**
10-Jun-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2003d30-012amsd** SampType: **MSD** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-11208903-032620-** Batch ID: **51487** RunNo: **67881**
Prep Date: **4/1/2020** Analysis Date: **4/6/2020** SeqNo: **2345219** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.32	0	98.2	70	130	1.05	20	
Surr: BFB	470		466.4		101	70	130	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 Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: 2003D30 RcptNo: 1

Received By: Isaiah Ortiz 3/31/2020 8:50:00 AM I-Ot
Completed By: John Caldwell 3/31/2020 1:19:52 PM JohnCaldwell
Reviewed By: LB 3/31/2020 LB 4/1/2020

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? FedEx

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
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 ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: JR 4/1/20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Christine Matthews Date: 4/7/20
By Whom: Leah Baca Via: ☒ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: switched collection times on labels for -005, -006
Client Instructions: Go with the collection times on COC

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.0	Good				
2	0.4	Good				

Chain-of-Custody Record

Client: CHD Services

Mailing Address: 6121 Indian School Rd NE #200
Albuquerque NM, 87110

Phone #: 5058840672

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ XStandard ☐ Rush

Project Name: Jal Landfarm

Project #: 11208903

Project Manager: Christine Mathews

Sampler: CN
On Ice: ☒ XYes ☐ No
Sample Temperature: 0.1-0.1/CF/0.0°C 0.5-0.1/CF/0.4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 2003030	8021 BTEX	8015 TPH GRO DRO ORO	300.0 Chloride	6010 Metals (see notes)	6020 Mercury	Air Bubbles (Y or N)
3/26/2020	1035	S	S-11208903-032620-CN-T1	Various	none	-001	X	X	X	X	X	
3/26/2020	1040	S	S-11208903-032620-CN-V1	Various	none	-002	X	X	X	X	X	
3/26/2020	1100	S	S-11208903-032620-CN-T2	Various	none	-003	X	X	X	X	X	
3/26/2020	1330	S	S-11208903-032620-CN-V2	Various	none	-004	X	X	X	X	X	
3/26/2020	1340	S	S-11208903-032620-CN-T3	Various	none	-005	X	X	X	X	X	
3/26/2020	1345	S	S-11208903-032620-CN-V3	Various	none	-006	X	X	X	X	X	
3/26/2020	1350	S	S-11208903-032620-CN-T4	Various	none	-007	X	X	X	X	X	
3/26/2020	1350	S	S-11208903-032620-CN-V4	Various	none	-008	X	X	X	X	X	
3/26/2020	1405	S	S-11208903-032620-CN-T5	Various	none	-009	X	X	X	X	X	
3/26/2020	1400	S	S-11208903-032620-CN-V5	Various	none	-010	X	X	X	X	X	
3/26/2020	1410	S	S-11208903-032620-CN-T6	Various	none	-011	X	X	X	X	X	
3/26/2020	1415	S	S-11208903-032620-CN-V6	Various	none	-012	X	X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
3-30-20	0930		FedEx	3/31/20	0850
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
Metals List: Sb, AS, Ba, Be, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Tl (thallium), Zn, Hg, U

1/2 coolers 0.2-0.1/CF/0.1

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.

* Samples -005 and -006 were swapped by CHD in field. (TS) (JW3) Revise Report per cm. JWB 6/10/22

Chain-of-Custody Record

Client: CHD Services

Mailing Address: 6121 Indian School Rd NE #200
Albuquerque NM, 87110

Phone #: 5058840672

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ XStandard ☐ Rush

Project Name: Jal Landfarm

Project #: 11208903

Project Manager: Christine Mathews

Sampler: CN
On Ice: ☒ XYes ☐ No
Sample Temperature: 0.1-0.1(F) 0.0(C) 0.5-0.1(C) 0.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 2003D30	8021 BTEX	8015 TPH GRO DRO ORO	300.0 Chloride	6010 Metals (see notes)	6020 Mercury	Air Bubbles (Y or N)
3/26/2020	1425	S	S-11208903-032620-CN-T7	Various	none	-013	X	X	X	X	X	
3/26/2020	1430	S	S-11208903-032620-CN-V7	Various	none	-014	X	X	X	X	X	
3/26/2020	1440	S	S-11208903-032620-CN-T8	Various	none	-015	X	X	X	X	X	
3/26/2020	1450	S	S-11208903-032620-CN-V8	Various	none	-016	X	X	X	X	X	
3/26/2020	1625	S	S-11208903-032620-CN-T9	Various	none	-017	X	X	X	X	X	
3/26/2020	1635	S	S-11208903-032620-CN-V9	Various	none	-018	X	X	X	X	X	
3/26/2020	1610	S	S-11208903-032620-CN-T10	Various	none	-019	X	X	X	X	X	
3/26/2020	1615	S	S-11208903-032620-CN-V10	Various	none	-020	X	X	X	X	X	
3/26/2020	1535	S	S-11208903-032620-CN-T11	Various	none	-021	X	X	X	X	X	
3/26/2020	1540	S	S-11208903-032620-CN-V11	Various	none	-022	X	X	X	X	X	
3/26/2020	1520	S	S-11208903-032620-CN-T12	Various	none	-023	X	X	X	X	X	
3/26/2020	1525	S	S-11208903-032620-CN-V12	Various	none	-024	X	X	X	X	X	

Date	Time	Relinquished by	Received by	Date	Time
3/30/20	0920	Charles Nelson			
			Fedex	3/31/20	0850

Relinquished by: Received by:

Remarks:
Metals List: Sb, AS, Ba, Be, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Tl (thallium), Zn, Hg, U

2/3 coolers

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.

Chain-of-Custody Record

Client: CHD Services

Mailing Address: 6121 Indian School Rd NE #200
Albuquerque NM, 87110

Phone #: 5058840672

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☐ XStandard ☐ Rush_____

Project Name: Jal Landfarm

Project #: 11208903

Project Manager: Christine Mathews

Sampler: CN
On Ice: ☐ XYes ☐ No
Sample Temperature: 0.1-0.1|CF|0.0°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	0.5-0.1|CF|0.4 HEAL No. 2003D30	8021 BTEX	8015 TPH GRO DRO ORO	300.0 Chloride	6010 Metals (see notes)	6020 Mercury	Air Bubbles (Y or N)
3/26/2020	1565	S	S-11208903-032620-CN-T13	Various	none	-025	X	X	X	X	X	
3/26/2020	1500	S	S-11208903-032620-CN-V13	Various	none	-026	X	X	X	X	X	
3/26/2020	1510	S	S-11208903-032620-CN-T14	Various	none	-027	X	X	X	X	X	
3/26/2020	1515	S	S-11208903-032620-CN-V14	Various	none	-028	X	X	X	X	X	
3/26/2020	1600	S	S-11208903-032620-CN-T15	Various	none	-029	X	X	X	X	X	
3/26/2020	1605	S	S-11208903-032620-CN-V15	Various	none	-030	X	X	X	X	X	

Analysis Request

Date	Time	Relinquished by:	Received by:	Date	Time
3.30.20	0930		Fedex	3/31/20	0850
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
Metals List: Sb, AS, Ba, Be, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Tl (thallium), Zn, Hg, U

3/3 coolers. 0.2-0.1|CF|0.1°C

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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 10, 2020

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

RE: Jal Landfarm OrderNo.: 2008G23

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 30 sample(s) on 8/28/2020 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-001 **Collection Date:** 8/27/2020 9:25:00 AM
Client Sample ID: S-11208903-082720-CN-T1 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	21	7.5		mg/Kg	5	9/2/2020 9:15:05 PM	54886
Sulfate	110	7.5		mg/Kg	5	9/2/2020 9:15:05 PM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/31/2020 4:40:00 PM	54769
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/31/2020 4:40:00 PM	54769
Surr: DNOP	104	30.4-154		%Rec	1	8/31/2020 4:40:00 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 9:28:45 AM	54783
Surr: BFB	100	75.3-105		%Rec	1	8/31/2020 9:28:45 AM	54783

Lab ID: 2008G23-002 **Collection Date:** 8/27/2020 9:35:00 AM
Client Sample ID: S-11208903-082720-CN-V1 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/2/2020 9:39:54 PM	54886
Sulfate	60	7.5		mg/Kg	5	9/2/2020 9:39:54 PM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/31/2020 4:59:24 PM	54769
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/31/2020 4:59:24 PM	54769
Surr: DNOP	72.3	30.4-154		%Rec	1	8/31/2020 4:59:24 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/31/2020 10:48:31 AM	54783
Surr: BFB	93.9	75.3-105		%Rec	1	8/31/2020 10:48:31 AM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	8/31/2020 10:48:31 AM	54783
Toluene	ND	0.050		mg/Kg	1	8/31/2020 10:48:31 AM	54783
Ethylbenzene	ND	0.050		mg/Kg	1	8/31/2020 10:48:31 AM	54783
Xylenes, Total	ND	0.099		mg/Kg	1	8/31/2020 10:48:31 AM	54783
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	8/31/2020 10:48:31 AM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-003 **Collection Date:** 8/27/2020 9:45:00 AM
Client Sample ID: S-11208903-082720-CN-T2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	12	7.5		mg/Kg	5	9/2/2020 10:29:33 PM	54886
Sulfate	350	7.5		mg/Kg	5	9/2/2020 10:29:33 PM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	45	9.6		mg/Kg	1	9/1/2020 9:39:35 AM	54769
Motor Oil Range Organics (MRO)	200	48		mg/Kg	1	9/1/2020 9:39:35 AM	54769
Surr: DNOP	104	30.4-154		%Rec	1	9/1/2020 9:39:35 AM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 11:58:51 AM	54783
Surr: BFB	97.7	75.3-105		%Rec	1	8/31/2020 11:58:51 AM	54783

Lab ID: 2008G23-004 **Collection Date:** 8/27/2020 9:55:00 AM
Client Sample ID: S-11208903-082720-CN-V2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/2/2020 10:54:23 PM	54886
Sulfate	53	7.5		mg/Kg	5	9/2/2020 10:54:23 PM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/31/2020 5:19:01 PM	54769
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/31/2020 5:19:01 PM	54769
Surr: DNOP	68.0	30.4-154		%Rec	1	8/31/2020 5:19:01 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 12:22:15 PM	54783
Surr: BFB	97.9	75.3-105		%Rec	1	8/31/2020 12:22:15 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/31/2020 12:22:15 PM	54783
Toluene	ND	0.049		mg/Kg	1	8/31/2020 12:22:15 PM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2020 12:22:15 PM	54783
Xylenes, Total	ND	0.097		mg/Kg	1	8/31/2020 12:22:15 PM	54783
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/31/2020 12:22:15 PM	54783

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-005 **Collection Date:** 8/27/2020 10:00:00 AM
Client Sample ID: S-11208903-082720-CN-T3 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/2/2020 11:19:12 PM	54886
Sulfate	32	7.5		mg/Kg	5	9/2/2020 11:19:12 PM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	290	97		mg/Kg	10	8/31/2020 5:28:58 PM	54769
Motor Oil Range Organics (MRO)	750	480		mg/Kg	10	8/31/2020 5:28:58 PM	54769
Surr: DNOP	0	30.4-154	S	%Rec	10	8/31/2020 5:28:58 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 12:45:41 PM	54783
Surr: BFB	97.1	75.3-105		%Rec	1	8/31/2020 12:45:41 PM	54783

Lab ID: 2008G23-006 **Collection Date:** 8/27/2020 10:15:00 AM
Client Sample ID: S-11208903-082720-CN-V3 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/2/2020 11:44:01 PM	54886
Sulfate	28	7.5		mg/Kg	5	9/2/2020 11:44:01 PM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2020 5:38:57 PM	54769
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/31/2020 5:38:57 PM	54769
Surr: DNOP	68.6	30.4-154		%Rec	1	8/31/2020 5:38:57 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/31/2020 1:09:09 PM	54783
Surr: BFB	95.3	75.3-105		%Rec	1	8/31/2020 1:09:09 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	8/31/2020 1:09:09 PM	54783
Toluene	ND	0.050		mg/Kg	1	8/31/2020 1:09:09 PM	54783
Ethylbenzene	ND	0.050		mg/Kg	1	8/31/2020 1:09:09 PM	54783
Xylenes, Total	ND	0.099		mg/Kg	1	8/31/2020 1:09:09 PM	54783
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	1	8/31/2020 1:09:09 PM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-007 **Collection Date:** 8/27/2020 10:20:00 AM
Client Sample ID: S-11208903-082720-CN-T4 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 12:08:49 AM	54886
Sulfate	31	7.5		mg/Kg	5	9/3/2020 12:08:49 AM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	43	19		mg/Kg	2	8/31/2020 5:48:56 PM	54769
Motor Oil Range Organics (MRO)	150	96		mg/Kg	2	8/31/2020 5:48:56 PM	54769
Surr: DNOP	73.1	30.4-154		%Rec	2	8/31/2020 5:48:56 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 1:32:44 PM	54783
Surr: BFB	93.4	75.3-105		%Rec	1	8/31/2020 1:32:44 PM	54783

Lab ID: 2008G23-008 **Collection Date:** 8/27/2020 10:25:00 AM
Client Sample ID: S-11208903-082720-CN-V4 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 12:58:29 AM	54886
Sulfate	79	7.5		mg/Kg	5	9/3/2020 12:58:29 AM	54886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	11	9.2		mg/Kg	1	8/31/2020 5:58:57 PM	54769
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/31/2020 5:58:57 PM	54769
Surr: DNOP	75.8	30.4-154		%Rec	1	8/31/2020 5:58:57 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 1:56:10 PM	54783
Surr: BFB	98.6	75.3-105		%Rec	1	8/31/2020 1:56:10 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	8/31/2020 1:56:10 PM	54783
Toluene	ND	0.049		mg/Kg	1	8/31/2020 1:56:10 PM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2020 1:56:10 PM	54783
Xylenes, Total	ND	0.098		mg/Kg	1	8/31/2020 1:56:10 PM	54783
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/31/2020 1:56:10 PM	54783

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-009 **Collection Date:** 8/27/2020 10:30:00 AM
Client Sample ID: S-11208903-082720-CN-T5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 1:48:07 AM	54888
Sulfate	ND	7.5		mg/Kg	5	9/3/2020 1:48:07 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/31/2020 6:08:58 PM	54769
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/31/2020 6:08:58 PM	54769
Surr: DNOP	70.9	30.4-154		%Rec	1	8/31/2020 6:08:58 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/31/2020 2:19:45 PM	54783
Surr: BFB	98.5	75.3-105		%Rec	1	8/31/2020 2:19:45 PM	54783

Lab ID: 2008G23-010 **Collection Date:** 8/27/2020 10:40:00 AM
Client Sample ID: S-11208903-082720-CN-V5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 2:37:45 AM	54888
Sulfate	20	7.5		mg/Kg	5	9/3/2020 2:37:45 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/31/2020 6:19:00 PM	54769
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/31/2020 6:19:00 PM	54769
Surr: DNOP	72.8	30.4-154		%Rec	1	8/31/2020 6:19:00 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2020 2:43:09 PM	54783
Surr: BFB	95.3	75.3-105		%Rec	1	8/31/2020 2:43:09 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	8/31/2020 2:43:09 PM	54783
Toluene	ND	0.049		mg/Kg	1	8/31/2020 2:43:09 PM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2020 2:43:09 PM	54783
Xylenes, Total	ND	0.099		mg/Kg	1	8/31/2020 2:43:09 PM	54783
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	8/31/2020 2:43:09 PM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-011 **Collection Date:** 8/27/2020 10:45:00 AM
Client Sample ID: S-11208903-082720-CN-T6 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 3:27:23 AM	54888
Sulfate	51	7.5		mg/Kg	5	9/3/2020 3:27:23 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/1/2020 10:27:21 AM	54769
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/1/2020 10:27:21 AM	54769
Surr: DNOP	97.7	30.4-154		%Rec	1	9/1/2020 10:27:21 AM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 8:36:45 PM	54783
Surr: BFB	95.0	75.3-105		%Rec	1	9/1/2020 8:36:45 PM	54783

Lab ID: 2008G23-012 **Collection Date:** 8/27/2020 10:50:00 AM
Client Sample ID: S-11208903-082720-CN-V6 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 4:17:01 AM	54888
Sulfate	13	7.5		mg/Kg	5	9/3/2020 4:17:01 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	8/31/2020 6:39:06 PM	54769
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/31/2020 6:39:06 PM	54769
Surr: DNOP	67.5	30.4-154		%Rec	1	8/31/2020 6:39:06 PM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2020 9:00:13 PM	54783
Surr: BFB	96.3	75.3-105		%Rec	1	9/1/2020 9:00:13 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 9:00:13 PM	54783
Toluene	ND	0.050		mg/Kg	1	9/1/2020 9:00:13 PM	54783
Ethylbenzene	ND	0.050		mg/Kg	1	9/1/2020 9:00:13 PM	54783
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2020 9:00:13 PM	54783
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	9/1/2020 9:00:13 PM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-013 **Collection Date:** 8/27/2020 11:00:00 AM
Client Sample ID: S-11208903-082720-CN-T7 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 4:41:50 AM	54888
Sulfate	17	7.5		mg/Kg	5	9/3/2020 4:41:50 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	21	9.7		mg/Kg	1	9/1/2020 10:51:12 AM	54769
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	9/1/2020 10:51:12 AM	54769
Surr: DNOP	92.2	30.4-154		%Rec	1	9/1/2020 10:51:12 AM	54769
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2020 9:23:34 PM	54783
Surr: BFB	95.1	75.3-105		%Rec	1	9/1/2020 9:23:34 PM	54783

Lab ID: 2008G23-014 **Collection Date:** 8/27/2020 11:05:00 AM
Client Sample ID: S-11208903-082720-CN-V7 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 5:06:40 AM	54888
Sulfate	17	7.5		mg/Kg	5	9/3/2020 5:06:40 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2020 12:34:49 PM	54770
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/31/2020 12:34:49 PM	54770
Surr: DNOP	103	30.4-154		%Rec	1	8/31/2020 12:34:49 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 9:47:00 PM	54783
Surr: BFB	95.1	75.3-105		%Rec	1	9/1/2020 9:47:00 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/1/2020 9:47:00 PM	54783
Toluene	ND	0.049		mg/Kg	1	9/1/2020 9:47:00 PM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 9:47:00 PM	54783
Xylenes, Total	ND	0.097		mg/Kg	1	9/1/2020 9:47:00 PM	54783
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	1	9/1/2020 9:47:00 PM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-015 **Collection Date:** 8/27/2020 11:15:00 AM
Client Sample ID: S-11208903-082720-CN-T8 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	13	7.5		mg/Kg	5	9/3/2020 9:02:35 AM	54888
Sulfate	390	7.5		mg/Kg	5	9/3/2020 9:02:35 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	16	9.6		mg/Kg	1	9/1/2020 2:26:00 PM	54770
Motor Oil Range Organics (MRO)	79	48		mg/Kg	1	9/1/2020 2:26:00 PM	54770
Surr: DNOP	87.7	30.4-154		%Rec	1	9/1/2020 2:26:00 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 10:10:28 PM	54783
Surr: BFB	93.9	75.3-105		%Rec	1	9/1/2020 10:10:28 PM	54783

Lab ID: 2008G23-016 **Collection Date:** 8/27/2020 11:20:00 AM
Client Sample ID: S-11208903-082720-CN-V8 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 9:27:24 AM	54888
Sulfate	89	7.5		mg/Kg	5	9/3/2020 9:27:24 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/31/2020 2:11:59 PM	54770
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/31/2020 2:11:59 PM	54770
Surr: DNOP	93.5	30.4-154		%Rec	1	8/31/2020 2:11:59 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 10:34:00 PM	54783
Surr: BFB	95.4	75.3-105		%Rec	1	9/1/2020 10:34:00 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/1/2020 10:34:00 PM	54783
Toluene	ND	0.049		mg/Kg	1	9/1/2020 10:34:00 PM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 10:34:00 PM	54783
Xylenes, Total	ND	0.097		mg/Kg	1	9/1/2020 10:34:00 PM	54783
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	9/1/2020 10:34:00 PM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-017 **Collection Date:** 8/27/2020 11:40:00 AM
Client Sample ID: S-11208903-082720-CN-T9 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 9:52:13 AM	54888
Sulfate	170	7.5		mg/Kg	5	9/3/2020 9:52:13 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/1/2020 3:13:47 PM	54770
Motor Oil Range Organics (MRO)	48	47		mg/Kg	1	9/1/2020 3:13:47 PM	54770
Surr: DNOP	95.6	30.4-154		%Rec	1	9/1/2020 3:13:47 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 10:57:32 PM	54783
Surr: BFB	93.8	75.3-105		%Rec	1	9/1/2020 10:57:32 PM	54783

Lab ID: 2008G23-018 **Collection Date:** 8/27/2020 11:45:00 AM
Client Sample ID: S-11208903-082720-CN-V9 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 10:17:02 AM	54888
Sulfate	180	7.5		mg/Kg	5	9/3/2020 10:17:02 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2020 3:00:34 PM	54770
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/31/2020 3:00:34 PM	54770
Surr: DNOP	82.9	30.4-154		%Rec	1	8/31/2020 3:00:34 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 11:20:55 PM	54783
Surr: BFB	95.4	75.3-105		%Rec	1	9/1/2020 11:20:55 PM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 11:20:55 PM	54783
Toluene	ND	0.049		mg/Kg	1	9/1/2020 11:20:55 PM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 11:20:55 PM	54783
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2020 11:20:55 PM	54783
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/1/2020 11:20:55 PM	54783

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-019 **Collection Date:** 8/27/2020 11:30:00 AM
Client Sample ID: S-11208903-082720-CN-T10 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/3/2020 10:41:51 AM	54888
Sulfate	ND	7.5		mg/Kg	5	9/3/2020 10:41:51 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	14	9.0		mg/Kg	1	9/1/2020 3:37:44 PM	54770
Motor Oil Range Organics (MRO)	68	45		mg/Kg	1	9/1/2020 3:37:44 PM	54770
Surr: DNOP	96.7	30.4-154		%Rec	1	9/1/2020 3:37:44 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2020 11:44:17 PM	54783
Surr: BFB	96.4	75.3-105		%Rec	1	9/1/2020 11:44:17 PM	54783

Lab ID: 2008G23-020 **Collection Date:** 8/27/2020 11:35:00 AM
Client Sample ID: S-11208903-082720-CN-V10 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/4/2020 6:57:52 AM	54888
Sulfate	ND	7.5		mg/Kg	5	9/4/2020 6:57:52 AM	54888
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	8/31/2020 3:49:12 PM	54770
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/31/2020 3:49:12 PM	54770
Surr: DNOP	54.7	30.4-154		%Rec	1	8/31/2020 3:49:12 PM	54770
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/2/2020 12:07:40 AM	54783
Surr: BFB	97.4	75.3-105		%Rec	1	9/2/2020 12:07:40 AM	54783
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/2/2020 12:07:40 AM	54783
Toluene	ND	0.049		mg/Kg	1	9/2/2020 12:07:40 AM	54783
Ethylbenzene	ND	0.049		mg/Kg	1	9/2/2020 12:07:40 AM	54783
Xylenes, Total	ND	0.099		mg/Kg	1	9/2/2020 12:07:40 AM	54783
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	9/2/2020 12:07:40 AM	54783

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-021 **Collection Date:** 8/27/2020 12:00:00 PM
Client Sample ID: S-11208903-082720-CN-T11 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/4/2020 7:22:41 AM	54888
Sulfate	28	7.5		mg/Kg	5	9/4/2020 7:22:41 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 2:22:48 PM	54788
Surr: BFB	104	70-130		%Rec	1	9/1/2020 2:22:48 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	8/31/2020 4:13:32 PM	54770
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/31/2020 4:13:32 PM	54770
Surr: DNOP	56.4	30.4-154		%Rec	1	8/31/2020 4:13:32 PM	54770

Lab ID: 2008G23-022 **Collection Date:** 8/27/2020 12:05:00 PM
Client Sample ID: S-11208903-082720-CN-V11 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/4/2020 7:47:29 AM	54888
Sulfate	200	7.5		mg/Kg	5	9/4/2020 7:47:29 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 3:48:32 PM	54788
Surr: BFB	104	70-130		%Rec	1	9/1/2020 3:48:32 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/31/2020 4:37:55 PM	54770
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2020 4:37:55 PM	54770
Surr: DNOP	52.2	30.4-154		%Rec	1	8/31/2020 4:37:55 PM	54770
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 3:48:32 PM	54788
Toluene	ND	0.049		mg/Kg	1	9/1/2020 3:48:32 PM	54788
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 3:48:32 PM	54788
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2020 3:48:32 PM	54788
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	9/1/2020 3:48:32 PM	54788
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	9/1/2020 3:48:32 PM	54788
Surr: Dibromofluoromethane	114	70-130		%Rec	1	9/1/2020 3:48:32 PM	54788
Surr: Toluene-d8	99.6	70-130		%Rec	1	9/1/2020 3:48:32 PM	54788

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-023 **Collection Date:** 8/27/2020 12:15:00 PM
Client Sample ID: S-11208903-082720-CN-T12 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/4/2020 8:12:18 AM	54888
Sulfate	980	30		mg/Kg	20	9/4/2020 8:24:43 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 5:14:09 PM	54788
Surr: BFB	99.4	70-130		%Rec	1	9/1/2020 5:14:09 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/31/2020 5:02:36 PM	54770
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/31/2020 5:02:36 PM	54770
Surr: DNOP	43.5	30.4-154		%Rec	1	8/31/2020 5:02:36 PM	54770

Lab ID: 2008G23-024 **Collection Date:** 8/27/2020 12:20:00 PM
Client Sample ID: S-11208903-082720-CN-V12 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/4/2020 8:37:07 AM	54888
Sulfate	630	7.5		mg/Kg	5	9/4/2020 8:37:07 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2020 5:42:39 PM	54788
Surr: BFB	103	70-130		%Rec	1	9/1/2020 5:42:39 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/31/2020 5:26:58 PM	54770
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2020 5:26:58 PM	54770
Surr: DNOP	30.5	30.4-154		%Rec	1	8/31/2020 5:26:58 PM	54770
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 5:42:39 PM	54788
Toluene	ND	0.050		mg/Kg	1	9/1/2020 5:42:39 PM	54788
Ethylbenzene	ND	0.050		mg/Kg	1	9/1/2020 5:42:39 PM	54788
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2020 5:42:39 PM	54788
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	9/1/2020 5:42:39 PM	54788
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/1/2020 5:42:39 PM	54788
Surr: Dibromofluoromethane	114	70-130		%Rec	1	9/1/2020 5:42:39 PM	54788
Surr: Toluene-d8	101	70-130		%Rec	1	9/1/2020 5:42:39 PM	54788

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-025 **Collection Date:** 8/27/2020 12:25:00 PM
Client Sample ID: S-11208903-082720-CN-T13 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	7.5		mg/Kg	5	9/4/2020 9:26:45 AM	54888
Sulfate	1600	30		mg/Kg	20	9/4/2020 9:39:09 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/1/2020 6:11:13 PM	54788
Surr: BFB	102	70-130		%Rec	1	9/1/2020 6:11:13 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	35	9.7		mg/Kg	1	9/1/2020 4:01:36 PM	54770
Motor Oil Range Organics (MRO)	150	48		mg/Kg	1	9/1/2020 4:01:36 PM	54770
Surr: DNOP	83.6	30.4-154		%Rec	1	9/1/2020 4:01:36 PM	54770

Lab ID: 2008G23-026 **Collection Date:** 8/27/2020 12:30:00 PM
Client Sample ID: S-11208903-082720-CN-V13 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	30	7.5		mg/Kg	5	9/4/2020 9:51:34 AM	54888
Sulfate	180	7.5		mg/Kg	5	9/4/2020 9:51:34 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 6:39:48 PM	54788
Surr: BFB	103	70-130		%Rec	1	9/1/2020 6:39:48 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/31/2020 6:15:51 PM	54770
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/31/2020 6:15:51 PM	54770
Surr: DNOP	45.4	30.4-154		%Rec	1	8/31/2020 6:15:51 PM	54770
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 6:39:48 PM	54788
Toluene	ND	0.049		mg/Kg	1	9/1/2020 6:39:48 PM	54788
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 6:39:48 PM	54788
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2020 6:39:48 PM	54788
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%Rec	1	9/1/2020 6:39:48 PM	54788
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	9/1/2020 6:39:48 PM	54788
Surr: Dibromofluoromethane	112	70-130		%Rec	1	9/1/2020 6:39:48 PM	54788
Surr: Toluene-d8	101	70-130		%Rec	1	9/1/2020 6:39:48 PM	54788

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-027 **Collection Date:** 8/27/2020 12:35:00 PM
Client Sample ID: S-11208903-082720-CN-T14 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	10	7.5		mg/Kg	5	9/4/2020 10:16:24 AM	54888
Sulfate	43	7.5		mg/Kg	5	9/4/2020 10:16:24 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 7:08:18 PM	54788
Surr: BFB	104	70-130		%Rec	1	9/1/2020 7:08:18 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/1/2020 4:25:31 PM	54770
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/1/2020 4:25:31 PM	54770
Surr: DNOP	86.9	30.4-154		%Rec	1	9/1/2020 4:25:31 PM	54770

Lab ID: 2008G23-028 **Collection Date:** 8/27/2020 12:40:00 PM
Client Sample ID: S-11208903-082720-CN-V14 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	7.5		mg/Kg	5	9/4/2020 10:41:12 AM	54888
Sulfate	39	7.5		mg/Kg	5	9/4/2020 10:41:12 AM	54888
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 7:36:49 PM	54788
Surr: BFB	106	70-130		%Rec	1	9/1/2020 7:36:49 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/31/2020 7:05:06 PM	54770
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2020 7:05:06 PM	54770
Surr: DNOP	31.6	30.4-154		%Rec	1	8/31/2020 7:05:06 PM	54770
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 7:36:49 PM	54788
Toluene	ND	0.049		mg/Kg	1	9/1/2020 7:36:49 PM	54788
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 7:36:49 PM	54788
Xylenes, Total	ND	0.099		mg/Kg	1	9/1/2020 7:36:49 PM	54788
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	9/1/2020 7:36:49 PM	54788
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	9/1/2020 7:36:49 PM	54788
Surr: Dibromofluoromethane	114	70-130		%Rec	1	9/1/2020 7:36:49 PM	54788
Surr: Toluene-d8	98.4	70-130		%Rec	1	9/1/2020 7:36:49 PM	54788

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

Qualifiers:

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

Analytical Report
Lab Order: **2008G23**
Date Reported: **9/10/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD **Lab Order:** 2008G23
Project: Jal Landfarm

Lab ID: 2008G23-029 **Collection Date:** 8/27/2020 11:50:00 AM
Client Sample ID: S-11208903-082720-CN-T15 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	7.5		mg/Kg	5	9/8/2020 9:10:00 PM	55006
Sulfate	4800	300		mg/Kg	200	9/9/2020 1:35:13 PM	55006
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 8:05:22 PM	54788
Surr: BFB	103	70-130		%Rec	1	9/1/2020 8:05:22 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	110	46		mg/Kg	5	9/1/2020 1:38:15 PM	54770
Motor Oil Range Organics (MRO)	580	230		mg/Kg	5	9/1/2020 1:38:15 PM	54770
Surr: DNOP	84.7	30.4-154		%Rec	5	9/1/2020 1:38:15 PM	54770

Lab ID: 2008G23-030 **Collection Date:** 8/27/2020 11:55:00 AM
Client Sample ID: S-11208903-082720-CN-V15 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	7.5		mg/Kg	5	9/8/2020 9:34:42 PM	55006
Sulfate	690	30		mg/Kg	20	9/8/2020 9:47:02 PM	55006
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/1/2020 8:33:55 PM	54788
Surr: BFB	104	70-130		%Rec	1	9/1/2020 8:33:55 PM	54788
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2020 7:54:07 PM	54770
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/31/2020 7:54:07 PM	54770
Surr: DNOP	60.4	30.4-154		%Rec	1	8/31/2020 7:54:07 PM	54770
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	0.025		mg/Kg	1	9/1/2020 8:33:55 PM	54788
Toluene	ND	0.049		mg/Kg	1	9/1/2020 8:33:55 PM	54788
Ethylbenzene	ND	0.049		mg/Kg	1	9/1/2020 8:33:55 PM	54788
Xylenes, Total	ND	0.098		mg/Kg	1	9/1/2020 8:33:55 PM	54788
Surr: 1,2-Dichloroethane-d4	97.5	70-130		%Rec	1	9/1/2020 8:33:55 PM	54788
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	9/1/2020 8:33:55 PM	54788
Surr: Dibromofluoromethane	112	70-130		%Rec	1	9/1/2020 8:33:55 PM	54788
Surr: Toluene-d8	95.6	70-130		%Rec	1	9/1/2020 8:33:55 PM	54788

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-54886**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **54886**	RunNo: **71554**
Prep Date: **9/2/2020**	Analysis Date: **9/2/2020**	SeqNo: **2501564** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sulfate	ND	1.5								

Sample ID: **LCS-54886**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **54886**	RunNo: **71554**
Prep Date: **9/2/2020**	Analysis Date: **9/2/2020**	SeqNo: **2501565** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			
Sulfate	29	1.5	30.00	0	96.0	90	110			

Sample ID: **MB-54888**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **54888**	RunNo: **71554**
Prep Date: **9/2/2020**	Analysis Date: **9/3/2020**	SeqNo: **2501606** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sulfate	ND	1.5								

Sample ID: **LCS-54888**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **54888**	RunNo: **71554**
Prep Date: **9/2/2020**	Analysis Date: **9/3/2020**	SeqNo: **2501607** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			
Sulfate	29	1.5	30.00	0	95.3	90	110			

Sample ID: **2008G23-009AMS**	SampType: **ms**	TestCode: **EPA Method 300.0: Anions**
Client ID: **S-11208903-082720-**	Batch ID: **54888**	RunNo: **71554**
Prep Date: **9/2/2020**	Analysis Date: **9/3/2020**	SeqNo: **2501609** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	7.5	15.00	0	95.8	47.2	156			
Sulfate	29	7.5	30.00	0	97.6	54.5	144			

Sample ID: **2008G23-009AMSD**	SampType: **msd**	TestCode: **EPA Method 300.0: Anions**
Client ID: **S-11208903-082720-**	Batch ID: **54888**	RunNo: **71554**
Prep Date: **9/2/2020**	Analysis Date: **9/3/2020**	SeqNo: **2501610** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2008G23-009AMSD** SampType: **msd** TestCode: **EPA Method 300.0: Anions**
Client ID: **S-11208903-082720-** Batch ID: **54888** RunNo: **71554**
Prep Date: **9/2/2020** Analysis Date: **9/3/2020** SeqNo: **2501610** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	7.5	15.00	0	95.1	47.2	156	0.675	20	
Sulfate	29	7.5	30.00	0	98.0	54.5	144	0.399	20	

Sample ID: **2008G23-011AMS** SampType: **ms** TestCode: **EPA Method 300.0: Anions**
Client ID: **S-11208903-082720-** Batch ID: **54888** RunNo: **71554**
Prep Date: **9/2/2020** Analysis Date: **9/3/2020** SeqNo: **2501617** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	19	7.5	15.00	0	126	47.2	156			
Sulfate	69	7.5	30.00	50.75	61.6	54.5	144			

Sample ID: **2008G23-011AMSD** SampType: **msd** TestCode: **EPA Method 300.0: Anions**
Client ID: **S-11208903-082720-** Batch ID: **54888** RunNo: **71554**
Prep Date: **9/2/2020** Analysis Date: **9/3/2020** SeqNo: **2501618** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	16	7.5	15.00	0	105	47.2	156	17.7	20	
Sulfate	72	7.5	30.00	50.75	69.9	54.5	144	3.51	20	

Sample ID: **MB-55006** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **55006** RunNo: **71685**
Prep Date: **9/8/2020** Analysis Date: **9/8/2020** SeqNo: **2506856** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sulfate	ND	1.5								

Sample ID: **LCS-55006** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **55006** RunNo: **71685**
Prep Date: **9/8/2020** Analysis Date: **9/8/2020** SeqNo: **2506857** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			
Sulfate	29	1.5	30.00	0	98.1	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
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **MB-54770**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **54770**	RunNo: **71494**
Prep Date: **8/28/2020**	Analysis Date: **8/31/2020**	SeqNo: **2496848** 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	11		10.00		105	30.4	154			

Sample ID: **LCS-54770**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **54770**	RunNo: **71494**
Prep Date: **8/28/2020**	Analysis Date: **8/31/2020**	SeqNo: **2496851** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	70	130			
Surr: DNOP	4.9		5.000		98.3	30.4	154			

Sample ID: **2008G23-014AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-082720-**	Batch ID: **54770**	RunNo: **71496**
Prep Date: **8/28/2020**	Analysis Date: **8/31/2020**	SeqNo: **2496901** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	48.17	0	100	47.4	136			
Surr: DNOP	4.3		4.817		88.5	30.4	154			

Sample ID: **2008G23-014AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-082720-**	Batch ID: **54770**	RunNo: **71496**
Prep Date: **8/28/2020**	Analysis Date: **8/31/2020**	SeqNo: **2496902** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.7	48.50	0	103	47.4	136	3.38	43.4	
Surr: DNOP	4.4		4.850		90.8	30.4	154	0	0	

Sample ID: **MB-54769**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **54769**	RunNo: **71495**
Prep Date: **8/28/2020**	Analysis Date: **8/31/2020**	SeqNo: **2496912** 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	10		10.00		104	30.4	154			

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **LCS-54769** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **54769** RunNo: **71495**
Prep Date: **8/28/2020** Analysis Date: **8/31/2020** SeqNo: **2496916** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	77.6	70	130			
Surr: DNOP	5.0		5.000		100	30.4	154			

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **mb-54783**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **54783**	RunNo: **71512**
Prep Date: **8/29/2020**	Analysis Date: **8/31/2020**	SeqNo: **2497421** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.1	75.3	105			

Sample ID: **lcs-54783**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **54783**	RunNo: **71512**
Prep Date: **8/29/2020**	Analysis Date: **8/31/2020**	SeqNo: **2497422** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.0	72.5	106			
Surr: BFB	1100		1000		114	75.3	105			S

Sample ID: **2008g23-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-11208903-082720-**	Batch ID: **54783**	RunNo: **71512**
Prep Date: **8/29/2020**	Analysis Date: **8/31/2020**	SeqNo: **2497425** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.51	0	91.8	61.3	114			
Surr: BFB	1000		980.4		105	75.3	105			S

Sample ID: **2008g23-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-11208903-082720-**	Batch ID: **54783**	RunNo: **71512**
Prep Date: **8/29/2020**	Analysis Date: **8/31/2020**	SeqNo: **2497426** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.98	0	84.3	61.3	114	6.66	20	
Surr: BFB	1000		999.0		105	75.3	105	0	0	S

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **mb-54783** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **54783** RunNo: **71512**
Prep Date: **8/29/2020** Analysis Date: **8/31/2020** SeqNo: **2497437** Units: **mg/Kg**

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	1.0		1.000		104	80	120			

Sample ID: **LCS-54783** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **54783** RunNo: **71512**
Prep Date: **8/29/2020** Analysis Date: **8/31/2020** SeqNo: **2497438** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.91	0.050	1.000	0	91.1	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID: **2008g23-001ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-11208903-082720-** Batch ID: **54783** RunNo: **71512**
Prep Date: **8/29/2020** Analysis Date: **8/31/2020** SeqNo: **2497440** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.96	0.099	0.9881	0	97.5	78.1	153			
Benzene	0.85	0.025	0.9881	0	85.6	76.3	120			
Toluene	0.88	0.049	0.9881	0	89.1	78.5	120			
Ethylbenzene	0.90	0.049	0.9881	0	91.2	78.1	124			
Xylenes, Total	2.7	0.099	2.964	0	91.5	79.3	125			
Surr: 4-Bromofluorobenzene	1.0		0.9881		106	80	120			

Sample ID: **2008g23-001amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-11208903-082720-** Batch ID: **54783** RunNo: **71512**
Prep Date: **8/29/2020** Analysis Date: **8/31/2020** SeqNo: **2497441** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9960	0	88.1	76.3	120	3.59	20	
Toluene	0.90	0.050	0.9960	0	90.6	78.5	120	2.55	20	
Ethylbenzene	0.91	0.050	0.9960	0	91.6	78.1	124	1.33	20	
Xylenes, Total	2.8	0.10	2.988	0	92.1	79.3	125	1.50	20	
Surr: 4-Bromofluorobenzene	1.0		0.9960		99.9	80	120	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **lcs-54788**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **54788**	RunNo: **71550**
Prep Date: **8/30/2020**	Analysis Date: **9/1/2020**	SeqNo: **2499255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.0	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.4	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.1	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.49		0.5000		97.7	70	130			

Sample ID: **mb-54788**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **54788**	RunNo: **71550**
Prep Date: **8/30/2020**	Analysis Date: **9/1/2020**	SeqNo: **2499256** Units: **mg/Kg**

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: 1,2-Dichloroethane-d4	0.48		0.5000		96.0	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.49		0.5000		97.4	70	130			

Sample ID: **2008g23-021ams**	SampType: **MS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-11208903-082720-**	Batch ID: **54788**	RunNo: **71550**
Prep Date: **8/30/2020**	Analysis Date: **9/1/2020**	SeqNo: **2499258** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9990	0	102	71.1	115			
Toluene	1.0	0.050	0.9990	0	105	79.6	132			
Ethylbenzene	1.0	0.050	0.9990	0	104	83.8	134			
Xylenes, Total	3.3	0.10	2.997	0	111	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.46		0.4995		93.1	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.4995		99.5	70	130			
Surr: Dibromofluoromethane	0.56		0.4995		111	70	130			
Surr: Toluene-d8	0.49		0.4995		97.7	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **2008g23-021amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-11208903-082720-** Batch ID: **54788** RunNo: **71550**
Prep Date: **8/30/2020** Analysis Date: **9/1/2020** SeqNo: **2499259** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9891	0	95.1	71.1	115	8.32	20	
Toluene	0.98	0.049	0.9891	0	99.2	79.6	132	6.31	20	
Ethylbenzene	0.96	0.049	0.9891	0	97.0	83.8	134	8.07	20	
Xylenes, Total	3.0	0.099	2.967	0	99.8	82.4	132	11.6	20	
Surr: 1,2-Dichloroethane-d4	0.47		0.4946		94.7	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.51		0.4946		103	70	130	0	0	
Surr: Dibromofluoromethane	0.53		0.4946		107	70	130	0	0	
Surr: Toluene-d8	0.48		0.4946		96.7	70	130	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2008G23**
10-Sep-20

Client: GHD
Project: Jal Landfarm

Sample ID: **lcs-54788** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS** Batch ID: **54788** RunNo: **71550**
Prep Date: **8/30/2020** Analysis Date: **9/1/2020** SeqNo: **2499281** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.8	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: **mb-54788** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS** Batch ID: **54788** RunNo: **71550**
Prep Date: **8/30/2020** Analysis Date: **9/1/2020** SeqNo: **2499282** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	530		500.0		107	70	130			

Sample ID: **2008g23-022ams** SampType: **MS** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-11208903-082720-** Batch ID: **54788** RunNo: **71550**
Prep Date: **8/30/2020** Analysis Date: **9/1/2020** SeqNo: **2499285** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.61	0	85.3	49.2	122			
Surr: BFB	520		492.1		106	70	130			

Sample ID: **2008g23-022amsd** SampType: **MSD** TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-11208903-082720-** Batch ID: **54788** RunNo: **71550**
Prep Date: **8/30/2020** Analysis Date: **9/1/2020** SeqNo: **2499286** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.73	0	104	49.2	122	20.2	20	R
Surr: BFB	530		494.6		107	70	130	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 Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **GHD** Work Order Number: **2008G23** RcptNo: **1**

Received By: **Juan Rojas** **8/28/2020 8:00:00 AM** Juan Rojas

Completed By: **Leah Baca** **8/28/2020 11:07:13 AM** Leah Baca

Reviewed By: DAD 8/28/20

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
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 ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: SPA 8.28.20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good				
2	4.9	Good				
3	1.3	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

Phone #: 505 269 0088

email or Fax#: Christine.Mathews@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Jal Landfarm

Project #: 11208903

Project Manager: Christine Mathews.

Sampler: CN

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Remarks (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2008G23	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Full Range TPH GRO, DRO, MRO	BTEX	Chloride and Sulfate			
8-27-20	0915	S	S-11208903-082720-CN-T1	2 4oz Jar		-001											X		X			
	0935		S-11208903-082720-CN-V1			-002											X	X	X			
	0946		S-11208903-082720-CN-T2			-003											X		X			
	0955		S-11208903-082720-CN-V2			-004											X	X	X			
	1000		S-11208903-082720-CN-T3			-005											X		X			
	1015		S-11208903-082720-CN-V3			-006											X	X	X			
	1020		S-11208903-082720-CN-T4			-007											X		X			
	1025		S-11208903-082720-CN-V4			-008											X	X	X			
	1030		S-11208903-082720-CN-T5			-009											X		X			
	1040		S-11208903-082720-CN-V5			-010											X	X	X			
	1046		S-11208903-082720-CN-T6			-011											X		X			
↓	1050	↓	S-11208903-082720-CN-V6	↓		-012											X	X	X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8-27-20	1515				8/27/20	1515
8/27/20	1900			Courier	8/28/20	8:00

Remarks:
0.6 - 0 = 0.6
4.9 - 0 = 4.9
1.3 - 0 = 1.3

Chain-of-Custody Record

Client: GHD

Mailing Address:

Phone #: 505 269 0086

email or Fax#: Christine.Mathews@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Jal Landfarm

Project #: 11208903

Project Manager: Christine Mathews.

Sampler: CN

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Remarks (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2008G23	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	full range TPH, GRO/DRO, ORO	Chloride and Sulfate	BTEX			
8.27.20	1100	S	S-11208903-082720-CN-T7	2 4oz Jar		-013											X	X				
	1105		S-11208903-082720-CN-V7			-014											X	X	X			
	1115		S-11208903-082720-CN-T8			-015											X	X				
	1120		S-11208903-082720-CN-V8			-016											X	X	X			
	1140		S-11208903-082720-CN-T9			-017											X	X				
	1145		S-11208903-082720-CN-V9			-018											X	X	X			
	1130		S-11208903-082720-CN-T10			-019											X	X				
	1135		S-11208903-082720-CN-V10			-020											X	X	X			
	1200		S-11208903-082720-CN-T11			-021											X	X				
	1205		S-11208903-082720-CN-V11			-022											X	X	X			
	1215		S-11208903-082720-CN-T12			-023											X	X				
	1220		S-11208903-082720-CN-V12			-024											X	X	X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8.27.20	1515				8/27/20	1515
8/27/20	1900			courier	8/28/20	8:00

Remarks:
0.6 - 0 = 0.6
4.9 - 0 = 4.9
1.3 - 0 = 1.3

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.

Chain-of-Custody Record

Client: GHD

Mailing Address:

Phone #: 505 269 0088

email or Fax#: christine.mathews@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Jal Landfarm

Project #: 1120B903

Project Manager: Christine Mathews

Sampler: CN

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Remarks (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2008623	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Full Range TPH, GRO, DRO, ORO	Chloride and Sulfate	BTEX			
8-27-20	1225	S	S-1120B903-082720-CN-T13	2 4oz Jar		-025											X	X				
	1230		S-1120B903-082720-CN-V13			-026											X	X	X			
	1235		S-1120B903-082720-CN-T14			-027											X	X				
	1240		S-1120B903-082720-CN-V14			-028											X	X	X			
	1150		S-1120B903-082720-CN-T15			-029											X	X				
	1155		S-1120B903-082720-CN-V15			-030											X	X	X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
8-27-20	1515				8/27/20	1515
8/27/20	1710			courier	8/28/20	8:00

Remarks:
0.6 - 0 = 0.6
4.9 - 0 = 4.9
1.3 - 0 = 1.3

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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

December 29, 2020

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

RE: Landfarm OrderNo.: 2011912

Dear Christine Mathews:

Hall Environmental Analysis Laboratory received 30 sample(s) on 11/18/2020 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 #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V1
Project: Landfarm
Collection Date: 11/17/2020 8:55:00 AM
Lab ID: 2011912-001 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	42	2.9	9.8		mg/Kg	1	11/23/2020 2:07:41 PM	56549
Motor Oil Range Organics (MRO)	270	49	49		mg/Kg	1	11/23/2020 2:07:41 PM	56549
Surr: DNOP	93.9	0	30.4-154		%Rec	1	11/23/2020 2:07:41 PM	56549
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 8:54:02 PM	56543
Toluene	ND	0.0050	0.047		mg/Kg	1	11/20/2020 8:54:02 PM	56543
Ethylbenzene	ND	0.012	0.047		mg/Kg	1	11/20/2020 8:54:02 PM	56543
Xylenes, Total	ND	0.025	0.095		mg/Kg	1	11/20/2020 8:54:02 PM	56543
Surr: 1,2-Dichloroethane-d4	96.7		70-130		%Rec	1	11/20/2020 8:54:02 PM	56543
Surr: 4-Bromofluorobenzene	97.9		70-130		%Rec	1	11/20/2020 8:54:02 PM	56543
Surr: Dibromofluoromethane	105		70-130		%Rec	1	11/20/2020 8:54:02 PM	56543
Surr: Toluene-d8	97.2		70-130		%Rec	1	11/20/2020 8:54:02 PM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.7		mg/Kg	1	11/20/2020 8:54:02 PM	56543
Surr: BFB	94.4	0	70-130		%Rec	1	11/20/2020 8:54:02 PM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-002 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-T1
Collection Date: 11/17/2020 11:55:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	36	2.9	10		mg/Kg	1	11/23/2020 2:31:40 PM	56549
Motor Oil Range Organics (MRO)	200	50	50		mg/Kg	1	11/23/2020 2:31:40 PM	56549
Surr: DNOP	92.1	0	30.4-154		%Rec	1	11/23/2020 2:31:40 PM	56549
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 1:34:19 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.027	0.0026	0.033	J	mg/Kg	1	11/20/2020 9:45:10 AM	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	3.7	2.8	4.9	J	mg/Kg	2	11/23/2020 6:35:06 PM	56576
Barium	150	0.12	0.20		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Cadmium	ND	0.099	0.20		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Chromium	5.3	0.30	0.59		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Copper	2.9	0.61	0.79		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Iron	6100	250	250		mg/Kg	100	11/23/2020 6:02:29 PM	56576
Lead	0.54	0.53	0.59	J	mg/Kg	2	11/23/2020 3:23:03 PM	56576
Manganese	60	0.33	0.39		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Silver	1.6	0.29	0.49		mg/Kg	2	11/23/2020 4:38:22 PM	56576
Uranium	ND	1.4	9.9		mg/Kg	2	11/23/2020 3:23:03 PM	56576
Zinc	13	2.7	4.9		mg/Kg	2	11/23/2020 3:23:03 PM	56576
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0090	0.023		mg/Kg	1	11/20/2020 9:21:09 PM	56543
Toluene	ND	0.0049	0.047		mg/Kg	1	11/20/2020 9:21:09 PM	56543
Ethylbenzene	ND	0.011	0.047		mg/Kg	1	11/20/2020 9:21:09 PM	56543
Xylenes, Total	ND	0.024	0.093		mg/Kg	1	11/20/2020 9:21:09 PM	56543
Surr: 1,2-Dichloroethane-d4	97.8		70-130		%Rec	1	11/20/2020 9:21:09 PM	56543
Surr: 4-Bromofluorobenzene	97.2		70-130		%Rec	1	11/20/2020 9:21:09 PM	56543
Surr: Dibromofluoromethane	108		70-130		%Rec	1	11/20/2020 9:21:09 PM	56543
Surr: Toluene-d8	97.9		70-130		%Rec	1	11/20/2020 9:21:09 PM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.7		mg/Kg	1	11/20/2020 9:21:09 PM	56543
Surr: BFB	95.9	0	70-130		%Rec	1	11/20/2020 9:21:09 PM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V2
Project: Landfarm
Collection Date: 11/17/2020 9:10:00 AM
Lab ID: 2011912-003 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	11	2.9	10		mg/Kg	1	11/20/2020 2:11:17 PM	56549
Motor Oil Range Organics (MRO)	ND	50	50		mg/Kg	1	11/20/2020 2:11:17 PM	56549
Surr: DNOP	93.8	0	30.4-154		%Rec	1	11/20/2020 2:11:17 PM	56549
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 9:48:09 PM	56543
Toluene	ND	0.0050	0.047		mg/Kg	1	11/20/2020 9:48:09 PM	56543
Ethylbenzene	ND	0.012	0.047		mg/Kg	1	11/20/2020 9:48:09 PM	56543
Xylenes, Total	ND	0.025	0.095		mg/Kg	1	11/20/2020 9:48:09 PM	56543
Surr: 1,2-Dichloroethane-d4	99.4		70-130		%Rec	1	11/20/2020 9:48:09 PM	56543
Surr: 4-Bromofluorobenzene	98.6		70-130		%Rec	1	11/20/2020 9:48:09 PM	56543
Surr: Dibromofluoromethane	108		70-130		%Rec	1	11/20/2020 9:48:09 PM	56543
Surr: Toluene-d8	98.0		70-130		%Rec	1	11/20/2020 9:48:09 PM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.7		mg/Kg	1	11/20/2020 9:48:09 PM	56543
Surr: BFB	96.6	0	70-130		%Rec	1	11/20/2020 9:48:09 PM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T2
Project: Landfarm
Collection Date: 11/17/2020 12:05:00 PM
Lab ID: 2011912-004 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	ND	2.9	10		mg/Kg	1	11/23/2020 3:19:19 PM	56549
Motor Oil Range Organics (MRO)	120	50	50		mg/Kg	1	11/23/2020 3:19:19 PM	56549
Surr: DNOP	86.9	0	30.4-154		%Rec	1	11/23/2020 3:19:19 PM	56549
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	59	59		mg/Kg	20	11/24/2020 1:46:43 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.21	0.0025	0.031		mg/Kg	1	11/20/2020 9:57:55 AM	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	2.8	2.8	4.9	J	mg/Kg	2	11/23/2020 6:36:39 PM	56576
Barium	160	0.12	0.19		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Cadmium	ND	0.097	0.19		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Chromium	8.4	0.29	0.58		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Copper	7.6	0.60	0.78		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Iron	11000	120	120		mg/Kg	50	11/23/2020 5:30:35 PM	56576
Lead	2.2	0.52	0.58		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Manganese	96	0.32	0.39		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Silver	ND	0.28	0.49		mg/Kg	2	11/23/2020 4:39:56 PM	56576
Uranium	ND	1.4	9.7		mg/Kg	2	11/23/2020 3:24:38 PM	56576
Zinc	19	2.6	4.9		mg/Kg	2	11/23/2020 3:24:38 PM	56576
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0089	0.023		mg/Kg	1	11/20/2020 10:15:14 P	56543
Toluene	ND	0.0048	0.046		mg/Kg	1	11/20/2020 10:15:14 P	56543
Ethylbenzene	ND	0.011	0.046		mg/Kg	1	11/20/2020 10:15:14 P	56543
Xylenes, Total	ND	0.024	0.093		mg/Kg	1	11/20/2020 10:15:14 P	56543
Surr: 1,2-Dichloroethane-d4	95.1		70-130		%Rec	1	11/20/2020 10:15:14 P	56543
Surr: 4-Bromofluorobenzene	100		70-130		%Rec	1	11/20/2020 10:15:14 P	56543
Surr: Dibromofluoromethane	103		70-130		%Rec	1	11/20/2020 10:15:14 P	56543
Surr: Toluene-d8	96.4		70-130		%Rec	1	11/20/2020 10:15:14 P	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.6		mg/Kg	1	11/20/2020 10:15:14 P	56543
Surr: BFB	97.0	0	70-130		%Rec	1	11/20/2020 10:15:14 P	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-005 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-V3
Collection Date: 11/17/2020 9:20:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	3.3	2.8	9.6	J	mg/Kg	1	11/20/2020 2:31:01 PM	56549
Motor Oil Range Organics (MRO)	ND	48	48		mg/Kg	1	11/20/2020 2:31:01 PM	56549
Surr: DNOP	111	0	30.4-154		%Rec	1	11/20/2020 2:31:01 PM	56549
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 10:42:23 P	56543
Toluene	ND	0.0049	0.047		mg/Kg	1	11/20/2020 10:42:23 P	56543
Ethylbenzene	ND	0.011	0.047		mg/Kg	1	11/20/2020 10:42:23 P	56543
Xylenes, Total	ND	0.025	0.094		mg/Kg	1	11/20/2020 10:42:23 P	56543
Surr: 1,2-Dichloroethane-d4	95.8		70-130		%Rec	1	11/20/2020 10:42:23 P	56543
Surr: 4-Bromofluorobenzene	101		70-130		%Rec	1	11/20/2020 10:42:23 P	56543
Surr: Dibromofluoromethane	105		70-130		%Rec	1	11/20/2020 10:42:23 P	56543
Surr: Toluene-d8	97.1		70-130		%Rec	1	11/20/2020 10:42:23 P	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.7		mg/Kg	1	11/20/2020 10:42:23 P	56543
Surr: BFB	96.2	0	70-130		%Rec	1	11/20/2020 10:42:23 P	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T3
Project: Landfarm
Collection Date: 11/17/2020 12:20:00 PM
Lab ID: 2011912-006 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	770	58	200		mg/Kg	20	11/23/2020 3:43:06 PM	56549
Motor Oil Range Organics (MRO)	2400	990	990		mg/Kg	20	11/23/2020 3:43:06 PM	56549
Surr: DNOP	0	0	30.4-154	S	%Rec	20	11/23/2020 3:43:06 PM	56549
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 1:59:08 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.29	0.012	0.16		mg/Kg	5	11/20/2020 12:08:55 P	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.7	4.8		mg/Kg	2	11/23/2020 6:38:13 PM	56576
Barium	61	0.12	0.19		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Cadmium	ND	0.097	0.19		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Chromium	5.8	0.29	0.58		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Copper	2.6	0.59	0.77		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Iron	6200	240	240		mg/Kg	100	11/23/2020 6:09:15 PM	56576
Lead	0.86	0.52	0.58		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Manganese	47	0.32	0.39		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Selenium	ND	4.3	4.8		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Silver	ND	0.28	0.48		mg/Kg	2	11/23/2020 4:46:46 PM	56576
Uranium	ND	1.4	9.7		mg/Kg	2	11/23/2020 3:26:12 PM	56576
Zinc	13	2.6	4.8		mg/Kg	2	11/23/2020 3:26:12 PM	56576
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0095	0.025		mg/Kg	1	11/20/2020 11:09:34 P	56543
Toluene	ND	0.0052	0.049		mg/Kg	1	11/20/2020 11:09:34 P	56543
Ethylbenzene	ND	0.012	0.049		mg/Kg	1	11/20/2020 11:09:34 P	56543
Xylenes, Total	ND	0.026	0.099		mg/Kg	1	11/20/2020 11:09:34 P	56543
Surr: 1,2-Dichloroethane-d4	96.3		70-130		%Rec	1	11/20/2020 11:09:34 P	56543
Surr: 4-Bromofluorobenzene	102		70-130		%Rec	1	11/20/2020 11:09:34 P	56543
Surr: Dibromofluoromethane	107		70-130		%Rec	1	11/20/2020 11:09:34 P	56543
Surr: Toluene-d8	97.1		70-130		%Rec	1	11/20/2020 11:09:34 P	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.4	4.9		mg/Kg	1	11/20/2020 11:09:34 P	56543
Surr: BFB	97.8	0	70-130		%Rec	1	11/20/2020 11:09:34 P	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-007 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-V4
Collection Date: 11/17/2020 9:25:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	3.0	2.8	9.5	J	mg/Kg	1	11/20/2020 2:50:40 PM	56549
Motor Oil Range Organics (MRO)	ND	47	47		mg/Kg	1	11/20/2020 2:50:40 PM	56549
Surr: DNOP	98.5	0	30.4-154		%Rec	1	11/20/2020 2:50:40 PM	56549
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0095	0.025		mg/Kg	1	11/21/2020 8:10:18 AM	56543
Toluene	ND	0.0052	0.049		mg/Kg	1	11/21/2020 8:10:18 AM	56543
Ethylbenzene	ND	0.012	0.049		mg/Kg	1	11/21/2020 8:10:18 AM	56543
Xylenes, Total	ND	0.026	0.099		mg/Kg	1	11/21/2020 8:10:18 AM	56543
Surr: 1,2-Dichloroethane-d4	96.3		70-130		%Rec	1	11/21/2020 8:10:18 AM	56543
Surr: 4-Bromofluorobenzene	102		70-130		%Rec	1	11/21/2020 8:10:18 AM	56543
Surr: Dibromofluoromethane	103		70-130		%Rec	1	11/21/2020 8:10:18 AM	56543
Surr: Toluene-d8	95.7		70-130		%Rec	1	11/21/2020 8:10:18 AM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.4	4.9		mg/Kg	1	11/21/2020 8:10:18 AM	56543
Surr: BFB	99.7	0	70-130		%Rec	1	11/21/2020 8:10:18 AM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T4
Project: Landfarm
Collection Date: 11/17/2020 12:40:00 PM
Lab ID: 2011912-008 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	220	2.8	9.5		mg/Kg	1	11/23/2020 4:30:37 PM	56549
Motor Oil Range Organics (MRO)	490	47	47		mg/Kg	1	11/23/2020 4:30:37 PM	56549
Surr: DNOP	104	0	30.4-154		%Rec	1	11/23/2020 4:30:37 PM	56549
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	59	59		mg/Kg	20	11/24/2020 2:11:32 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.026	0.0028	0.035	J	mg/Kg	1	11/20/2020 10:02:14 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	4.5	2.8	4.9	J	mg/Kg	2	11/23/2020 6:39:41 PM	56576
Barium	95	0.12	0.20		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Cadmium	ND	0.098	0.20		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Chromium	5.1	0.29	0.59		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Copper	2.2	0.60	0.78		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Iron	5300	240	240		mg/Kg	100	11/23/2020 6:10:44 PM	56576
Lead	ND	0.52	0.59		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Manganese	48	0.32	0.39		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Silver	ND	0.28	0.49		mg/Kg	2	11/23/2020 4:48:20 PM	56576
Uranium	ND	1.4	9.8		mg/Kg	2	11/23/2020 3:27:46 PM	56576
Zinc	11	2.6	4.9		mg/Kg	2	11/23/2020 3:27:46 PM	56576
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0090	0.023		mg/Kg	1	11/21/2020 1:53:07 AM	56543
Toluene	ND	0.0049	0.047		mg/Kg	1	11/21/2020 1:53:07 AM	56543
Ethylbenzene	ND	0.011	0.047		mg/Kg	1	11/21/2020 1:53:07 AM	56543
Xylenes, Total	ND	0.024	0.093		mg/Kg	1	11/21/2020 1:53:07 AM	56543
Surr: 1,2-Dichloroethane-d4	95.2		70-130		%Rec	1	11/21/2020 1:53:07 AM	56543
Surr: 4-Bromofluorobenzene	99.1		70-130		%Rec	1	11/21/2020 1:53:07 AM	56543
Surr: Dibromofluoromethane	108		70-130		%Rec	1	11/21/2020 1:53:07 AM	56543
Surr: Toluene-d8	99.3		70-130		%Rec	1	11/21/2020 1:53:07 AM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.7		mg/Kg	1	11/21/2020 1:53:07 AM	56543
Surr: BFB	96.9	0	70-130		%Rec	1	11/21/2020 1:53:07 AM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V5
Project: Landfarm
Collection Date: 11/17/2020 9:40:00 AM
Lab ID: 2011912-009 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	3.2	2.7	9.3	J	mg/Kg	1	11/20/2020 3:10:16 PM	56549
Motor Oil Range Organics (MRO)	ND	46	46		mg/Kg	1	11/20/2020 3:10:16 PM	56549
Surr: DNOP	74.6	0	30.4-154		%Rec	1	11/20/2020 3:10:16 PM	56549
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0092	0.024		mg/Kg	1	11/21/2020 2:20:22 AM	56543
Toluene	ND	0.0050	0.048		mg/Kg	1	11/21/2020 2:20:22 AM	56543
Ethylbenzene	ND	0.012	0.048		mg/Kg	1	11/21/2020 2:20:22 AM	56543
Xylenes, Total	ND	0.025	0.096		mg/Kg	1	11/21/2020 2:20:22 AM	56543
Surr: 1,2-Dichloroethane-d4	96.1		70-130		%Rec	1	11/21/2020 2:20:22 AM	56543
Surr: 4-Bromofluorobenzene	97.1		70-130		%Rec	1	11/21/2020 2:20:22 AM	56543
Surr: Dibromofluoromethane	104		70-130		%Rec	1	11/21/2020 2:20:22 AM	56543
Surr: Toluene-d8	98.3		70-130		%Rec	1	11/21/2020 2:20:22 AM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.8		mg/Kg	1	11/21/2020 2:20:22 AM	56543
Surr: BFB	96.0	0	70-130		%Rec	1	11/21/2020 2:20:22 AM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T5
Project: Landfarm
Collection Date: 11/17/2020 12:55:00 PM
Lab ID: 2011912-010 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	3.9	2.9	9.8	J	mg/Kg	1	11/20/2020 3:20:01 PM	56549
Motor Oil Range Organics (MRO)	61	49	49		mg/Kg	1	11/20/2020 3:20:01 PM	56549
Surr: DNOP	86.0	0	30.4-154		%Rec	1	11/20/2020 3:20:01 PM	56549
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 2:23:56 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	5.6	0.12	1.5		mg/Kg	50	11/20/2020 12:11:04 P	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.8	4.9		mg/Kg	2	11/23/2020 6:41:09 PM	56576
Barium	56	0.12	0.19		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Cadmium	ND	0.097	0.19		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Chromium	7.7	0.29	0.58		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Copper	6.0	0.60	0.78		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Iron	6200	240	240		mg/Kg	100	11/23/2020 6:12:11 PM	56576
Lead	5.7	0.52	0.58		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Manganese	69	0.32	0.39		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Silver	ND	0.28	0.49		mg/Kg	2	11/23/2020 4:49:53 PM	56576
Uranium	ND	1.4	9.7		mg/Kg	2	11/23/2020 3:29:19 PM	56576
Zinc	26	2.6	4.9		mg/Kg	2	11/23/2020 3:29:19 PM	56576
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: **DJF**	
Benzene	ND	0.0092	0.024		mg/Kg	1	11/21/2020 7:43:02 AM	56543
Toluene	ND	0.0050	0.048		mg/Kg	1	11/21/2020 7:43:02 AM	56543
Ethylbenzene	ND	0.012	0.048		mg/Kg	1	11/21/2020 7:43:02 AM	56543
Xylenes, Total	ND	0.025	0.096		mg/Kg	1	11/21/2020 7:43:02 AM	56543
Surr: 1,2-Dichloroethane-d4	89.7		70-130		%Rec	1	11/21/2020 7:43:02 AM	56543
Surr: 4-Bromofluorobenzene	102		70-130		%Rec	1	11/21/2020 7:43:02 AM	56543
Surr: Dibromofluoromethane	102		70-130		%Rec	1	11/21/2020 7:43:02 AM	56543
Surr: Toluene-d8	96.6		70-130		%Rec	1	11/21/2020 7:43:02 AM	56543
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: **DJF**	
Gasoline Range Organics (GRO)	ND	1.3	4.8		mg/Kg	1	11/21/2020 7:43:02 AM	56543
Surr: BFB	93.7	0	70-130		%Rec	1	11/21/2020 7:43:02 AM	56543

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V6
Project: Landfarm
Collection Date: 11/17/2020 9:50:00 AM
Lab ID: 2011912-011 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	2.8	9.5		mg/Kg	1	11/20/2020 9:10:05 AM	56552
Motor Oil Range Organics (MRO)	ND	47	47		mg/Kg	1	11/20/2020 9:10:05 AM	56552
Surr: DNOP	126	0	30.4-154		%Rec	1	11/20/2020 9:10:05 AM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 9:24:40 AM	56548
Surr: BFB	92.6	0	75.3-105		%Rec	1	11/20/2020 9:24:40 AM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 9:24:40 AM	56548
Toluene	ND	0.0024	0.048		mg/Kg	1	11/20/2020 9:24:40 AM	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 9:24:40 AM	56548
Xylenes, Total	ND	0.012	0.097		mg/Kg	1	11/20/2020 9:24:40 AM	56548
Surr: 4-Bromofluorobenzene	98.2	0	80-120		%Rec	1	11/20/2020 9:24:40 AM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T6
Project: Landfarm
Collection Date: 11/17/2020 1:10:00 PM
Lab ID: 2011912-012 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	ND	2.8	9.7		mg/Kg	1	11/23/2020 9:30:00 AM	56552
Motor Oil Range Organics (MRO)	83	49	49		mg/Kg	1	11/23/2020 9:30:00 AM	56552
Surr: DNOP	97.0	0	30.4-154		%Rec	1	11/23/2020 9:30:00 AM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 10:35:04 A	56548
Surr: BFB	92.0	0	75.3-105		%Rec	1	11/20/2020 10:35:04 A	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0090	0.024		mg/Kg	1	11/20/2020 10:35:04 A	56548
Toluene	0.010	0.0023	0.048	J	mg/Kg	1	11/20/2020 10:35:04 A	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 10:35:04 A	56548
Xylenes, Total	ND	0.012	0.096		mg/Kg	1	11/20/2020 10:35:04 A	56548
Surr: 4-Bromofluorobenzene	97.5	0	80-120		%Rec	1	11/20/2020 10:35:04 A	56548
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 2:36:20 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.017	0.0026	0.032	J	mg/Kg	1	11/20/2020 10:10:42 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.8	4.9		mg/Kg	2	11/23/2020 5:03:54 PM	56576
Barium	96	0.12	0.20		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Cadmium	ND	0.098	0.20		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Chromium	5.3	0.29	0.59		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Copper	2.9	0.60	0.78		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Iron	5500	240	240		mg/Kg	100	11/23/2020 6:13:39 PM	56576
Lead	0.69	0.52	0.59		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Manganese	56	0.32	0.39		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Silver	ND	0.28	0.49		mg/Kg	2	11/23/2020 5:03:54 PM	56576
Uranium	ND	1.4	9.8		mg/Kg	2	11/23/2020 3:30:53 PM	56576
Zinc	12	2.6	4.9		mg/Kg	2	11/23/2020 3:30:53 PM	56576

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

Qualifiers:

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

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-013 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-V7
Collection Date: 11/17/2020 10:00:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	2.8	9.6		mg/Kg	1	11/20/2020 9:47:43 AM	56552
Motor Oil Range Organics (MRO)	ND	48	48		mg/Kg	1	11/20/2020 9:47:43 AM	56552
Surr: DNOP	101	0	30.4-154		%Rec	1	11/20/2020 9:47:43 AM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 11:45:38 A	56548
Surr: BFB	93.7	0	75.3-105		%Rec	1	11/20/2020 11:45:38 A	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	0.013	0.0091	0.024	J	mg/Kg	1	11/20/2020 11:45:38 A	56548
Toluene	0.010	0.0024	0.048	J	mg/Kg	1	11/20/2020 11:45:38 A	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 11:45:38 A	56548
Xylenes, Total	0.015	0.012	0.097	J	mg/Kg	1	11/20/2020 11:45:38 A	56548
Surr: 4-Bromofluorobenzene	101	0	80-120		%Rec	1	11/20/2020 11:45:38 A	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T7
Project: Landfarm
Collection Date: 11/17/2020 1:25:00 PM
Lab ID: 2011912-014 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	17	2.9	10		mg/Kg	1	11/20/2020 9:57:10 AM	56552
Motor Oil Range Organics (MRO)	77	50	50		mg/Kg	1	11/20/2020 9:57:10 AM	56552
Surr: DNOP	102	0	30.4-154		%Rec	1	11/20/2020 9:57:10 AM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 12:09:13 P	56548
Surr: BFB	90.8	0	75.3-105		%Rec	1	11/20/2020 12:09:13 P	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0090	0.024		mg/Kg	1	11/20/2020 12:09:13 P	56548
Toluene	ND	0.0023	0.048		mg/Kg	1	11/20/2020 12:09:13 P	56548
Ethylbenzene	ND	0.0041	0.048		mg/Kg	1	11/20/2020 12:09:13 P	56548
Xylenes, Total	ND	0.011	0.096		mg/Kg	1	11/20/2020 12:09:13 P	56548
Surr: 4-Bromofluorobenzene	98.0	0	80-120		%Rec	1	11/20/2020 12:09:13 P	56548
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 2:48:45 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.033	0.0026	0.033		mg/Kg	1	11/20/2020 10:12:47 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	3.5	2.7	4.8	J	mg/Kg	2	11/23/2020 5:05:29 PM	56576
Barium	130	0.12	0.19		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Cadmium	ND	0.096	0.19		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Chromium	4.5	0.29	0.57		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Copper	2.5	0.59	0.77		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Iron	4800	240	240		mg/Kg	100	11/23/2020 6:15:06 PM	56576
Lead	ND	0.51	0.57		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Manganese	46	0.32	0.38		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Selenium	ND	4.2	4.8		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Silver	1.6	0.28	0.48		mg/Kg	2	11/23/2020 5:05:29 PM	56576
Uranium	ND	1.4	9.6		mg/Kg	2	11/23/2020 3:32:20 PM	56576
Zinc	9.8	2.6	4.8		mg/Kg	2	11/23/2020 3:32:20 PM	56576

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V8
Project: Landfarm
Collection Date: 11/17/2020 10:15:00 AM
Lab ID: 2011912-015 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	4.2	2.8	9.6	J	mg/Kg	1	11/20/2020 10:06:39 A	56552
Motor Oil Range Organics (MRO)	ND	48	48		mg/Kg	1	11/20/2020 10:06:39 A	56552
Surr: DNOP	114	0	30.4-154		%Rec	1	11/20/2020 10:06:39 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.7		mg/Kg	1	11/20/2020 12:32:53 P	56548
Surr: BFB	92.0	0	75.3-105		%Rec	1	11/20/2020 12:32:53 P	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0087	0.023		mg/Kg	1	11/20/2020 12:32:53 P	56548
Toluene	ND	0.0023	0.047		mg/Kg	1	11/20/2020 12:32:53 P	56548
Ethylbenzene	ND	0.0040	0.047		mg/Kg	1	11/20/2020 12:32:53 P	56548
Xylenes, Total	ND	0.011	0.093		mg/Kg	1	11/20/2020 12:32:53 P	56548
Surr: 4-Bromofluorobenzene	99.2	0	80-120		%Rec	1	11/20/2020 12:32:53 P	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T8
Project: Landfarm
Collection Date: 11/17/2020 1:40:00 PM
Lab ID: 2011912-016 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	17	2.9	9.7		mg/Kg	1	11/23/2020 9:53:32 AM	56552
Motor Oil Range Organics (MRO)	120	49	49		mg/Kg	1	11/23/2020 9:53:32 AM	56552
Surr: DNOP	93.2	0	30.4-154		%Rec	1	11/23/2020 9:53:32 AM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.7		mg/Kg	1	11/20/2020 12:56:33 P	56548
Surr: BFB	91.5	0	75.3-105		%Rec	1	11/20/2020 12:56:33 P	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0088	0.023		mg/Kg	1	11/20/2020 12:56:33 P	56548
Toluene	ND	0.0023	0.047		mg/Kg	1	11/20/2020 12:56:33 P	56548
Ethylbenzene	ND	0.0041	0.047		mg/Kg	1	11/20/2020 12:56:33 P	56548
Xylenes, Total	ND	0.011	0.094		mg/Kg	1	11/20/2020 12:56:33 P	56548
Surr: 4-Bromofluorobenzene	97.8	0	80-120		%Rec	1	11/20/2020 12:56:33 P	56548
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 3:25:58 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.041	0.0028	0.035		mg/Kg	1	11/20/2020 10:14:52 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.9	5.0		mg/Kg	2	11/23/2020 5:06:57 PM	56576
Barium	120	0.12	0.20		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Cadmium	ND	0.10	0.20		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Chromium	5.9	0.30	0.60		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Copper	2.7	0.62	0.81		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Iron	4800	50	50		mg/Kg	20	11/23/2020 5:49:18 PM	56576
Lead	1.3	0.54	0.60		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Manganese	51	0.33	0.40		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Selenium	ND	4.4	5.0		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Silver	0.90	0.29	0.50		mg/Kg	2	11/23/2020 5:06:57 PM	56576
Uranium	ND	1.5	10		mg/Kg	2	11/23/2020 3:33:48 PM	56576
Zinc	12	2.7	5.0		mg/Kg	2	11/23/2020 3:33:48 PM	56576

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

Qualifiers:

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

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V9
Project: Landfarm
Collection Date: 11/17/2020 10:50:00 AM
Lab ID: 2011912-017 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	ND	2.6	8.7		mg/Kg	1	11/23/2020 10:40:42 A	56552
Motor Oil Range Organics (MRO)	120	44	44		mg/Kg	1	11/23/2020 10:40:42 A	56552
Surr: DNOP	90.2	0	30.4-154		%Rec	1	11/23/2020 10:40:42 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.6		mg/Kg	1	11/20/2020 1:20:06 PM	56548
Surr: BFB	91.7	0	75.3-105		%Rec	1	11/20/2020 1:20:06 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0087	0.023		mg/Kg	1	11/20/2020 1:20:06 PM	56548
Toluene	ND	0.0023	0.046		mg/Kg	1	11/20/2020 1:20:06 PM	56548
Ethylbenzene	ND	0.0040	0.046		mg/Kg	1	11/20/2020 1:20:06 PM	56548
Xylenes, Total	ND	0.011	0.093		mg/Kg	1	11/20/2020 1:20:06 PM	56548
Surr: 4-Bromofluorobenzene	98.6	0	80-120		%Rec	1	11/20/2020 1:20:06 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T9
Project: Landfarm
Collection Date: 11/17/2020 1:55:00 PM
Lab ID: 2011912-018 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	4.3	2.8	9.4	J	mg/Kg	1	11/20/2020 10:35:16 A	56552
Motor Oil Range Organics (MRO)	61	47	47		mg/Kg	1	11/20/2020 10:35:16 A	56552
Surr: DNOP	103	0	30.4-154		%Rec	1	11/20/2020 10:35:16 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.7		mg/Kg	1	11/20/2020 1:43:47 PM	56548
Surr: BFB	91.1	0	75.3-105		%Rec	1	11/20/2020 1:43:47 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0089	0.024		mg/Kg	1	11/20/2020 1:43:47 PM	56548
Toluene	ND	0.0023	0.047		mg/Kg	1	11/20/2020 1:43:47 PM	56548
Ethylbenzene	ND	0.0041	0.047		mg/Kg	1	11/20/2020 1:43:47 PM	56548
Xylenes, Total	ND	0.011	0.095		mg/Kg	1	11/20/2020 1:43:47 PM	56548
Surr: 4-Bromofluorobenzene	98.2	0	80-120		%Rec	1	11/20/2020 1:43:47 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 3:38:23 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.11	0.0026	0.033		mg/Kg	1	11/20/2020 10:16:58 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	4.8	2.8	4.9	J	mg/Kg	2	11/23/2020 5:08:24 PM	56576
Barium	63	0.12	0.20		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Cadmium	ND	0.098	0.20		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Chromium	5.4	0.29	0.59		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Copper	2.8	0.60	0.78		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Iron	4700	240	240		mg/Kg	100	11/23/2020 6:18:01 PM	56576
Lead	1.4	0.52	0.59		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Manganese	47	0.32	0.39		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Silver	ND	0.28	0.49		mg/Kg	2	11/23/2020 5:08:24 PM	56576
Uranium	ND	1.4	9.8		mg/Kg	2	11/23/2020 3:35:16 PM	56576
Zinc	13	2.6	4.9		mg/Kg	2	11/23/2020 3:35:16 PM	56576

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V10
Project: Landfarm
Collection Date: 11/17/2020 10:35:00 AM
Lab ID: 2011912-019 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	26	2.7	9.3		mg/Kg	1	11/23/2020 11:27:55 A	56552
Motor Oil Range Organics (MRO)	140	46	46		mg/Kg	1	11/23/2020 11:27:55 A	56552
Surr: DNOP	91.6	0	30.4-154		%Rec	1	11/23/2020 11:27:55 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.9		mg/Kg	1	11/20/2020 2:07:24 PM	56548
Surr: BFB	90.3	0	75.3-105		%Rec	1	11/20/2020 2:07:24 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 2:07:24 PM	56548
Toluene	ND	0.0024	0.049		mg/Kg	1	11/20/2020 2:07:24 PM	56548
Ethylbenzene	ND	0.0042	0.049		mg/Kg	1	11/20/2020 2:07:24 PM	56548
Xylenes, Total	ND	0.012	0.097		mg/Kg	1	11/20/2020 2:07:24 PM	56548
Surr: 4-Bromofluorobenzene	97.7	0	80-120		%Rec	1	11/20/2020 2:07:24 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T10
Project: Landfarm
Collection Date: 11/17/2020 2:10:00 PM
Lab ID: 2011912-020 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	18	2.7	9.2		mg/Kg	1	11/20/2020 10:54:27 A	56552
Motor Oil Range Organics (MRO)	71	46	46		mg/Kg	1	11/20/2020 10:54:27 A	56552
Surr: DNOP	101	0	30.4-154		%Rec	1	11/20/2020 10:54:27 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.9	4.9		mg/Kg	1	11/20/2020 2:30:41 PM	56548
Surr: BFB	90.7	0	75.3-105		%Rec	1	11/20/2020 2:30:41 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 2:30:41 PM	56548
Toluene	ND	0.0024	0.049		mg/Kg	1	11/20/2020 2:30:41 PM	56548
Ethylbenzene	ND	0.0042	0.049		mg/Kg	1	11/20/2020 2:30:41 PM	56548
Xylenes, Total	ND	0.012	0.097		mg/Kg	1	11/20/2020 2:30:41 PM	56548
Surr: 4-Bromofluorobenzene	97.6	0	80-120		%Rec	1	11/20/2020 2:30:41 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	59	59		mg/Kg	20	11/24/2020 3:50:47 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.045	0.0025	0.032		mg/Kg	1	11/20/2020 10:19:04 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.8	5.0		mg/Kg	2	11/23/2020 5:09:58 PM	56576
Barium	53	0.12	0.20		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Cadmium	ND	0.10	0.20		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Chromium	5.3	0.30	0.60		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Copper	1.7	0.62	0.80		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Iron	5900	250	250		mg/Kg	100	11/23/2020 6:19:29 PM	56576
Lead	1.2	0.54	0.60		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Manganese	42	0.33	0.40		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Selenium	ND	4.4	5.0		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Silver	ND	0.29	0.50		mg/Kg	2	11/23/2020 5:09:58 PM	56576
Uranium	ND	1.4	10		mg/Kg	2	11/23/2020 3:36:49 PM	56576
Zinc	11	2.7	5.0		mg/Kg	2	11/23/2020 3:36:49 PM	56576

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-021 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-V11
Collection Date: 11/17/2020 11:10:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	3.5	2.8	9.7	J	mg/Kg	1	11/20/2020 11:04:17 A	56552
Motor Oil Range Organics (MRO)	ND	48	48		mg/Kg	1	11/20/2020 11:04:17 A	56552
Surr: DNOP	118	0	30.4-154		%Rec	1	11/20/2020 11:04:17 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.7		mg/Kg	1	11/20/2020 4:04:36 PM	56548
Surr: BFB	93.3	0	75.3-105		%Rec	1	11/20/2020 4:04:36 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	0.012	0.0088	0.023	J	mg/Kg	1	11/20/2020 4:04:36 PM	56548
Toluene	0.0095	0.0023	0.047	J	mg/Kg	1	11/20/2020 4:04:36 PM	56548
Ethylbenzene	ND	0.0041	0.047		mg/Kg	1	11/20/2020 4:04:36 PM	56548
Xylenes, Total	0.014	0.011	0.094	J	mg/Kg	1	11/20/2020 4:04:36 PM	56548
Surr: 4-Bromofluorobenzene	101	0	80-120		%Rec	1	11/20/2020 4:04:36 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T11
Project: Landfarm
Collection Date: 11/17/2020 2:25:00 PM
Lab ID: 2011912-022 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	5.1	2.9	10	J	mg/Kg	1	11/20/2020 11:13:57 A	56552
Motor Oil Range Organics (MRO)	ND	50	50		mg/Kg	1	11/20/2020 11:13:57 A	56552
Surr: DNOP	119	0	30.4-154		%Rec	1	11/20/2020 11:13:57 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.6		mg/Kg	1	11/20/2020 4:27:52 PM	56548
Surr: BFB	92.6	0	75.3-105		%Rec	1	11/20/2020 4:27:52 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0087	0.023		mg/Kg	1	11/20/2020 4:27:52 PM	56548
Toluene	ND	0.0023	0.046		mg/Kg	1	11/20/2020 4:27:52 PM	56548
Ethylbenzene	ND	0.0040	0.046		mg/Kg	1	11/20/2020 4:27:52 PM	56548
Xylenes, Total	ND	0.011	0.093		mg/Kg	1	11/20/2020 4:27:52 PM	56548
Surr: 4-Bromofluorobenzene	99.0	0	80-120		%Rec	1	11/20/2020 4:27:52 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **VP**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 4:28:01 AM	56608
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.097	0.0025	0.032		mg/Kg	1	11/20/2020 10:21:11 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	4.7	2.8	4.9	J	mg/Kg	2	11/23/2020 5:11:31 PM	56576
Barium	64	0.12	0.20		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Cadmium	ND	0.098	0.20		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Chromium	4.0	0.30	0.59		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Copper	2.5	0.60	0.79		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Iron	5100	250	250		mg/Kg	100	11/23/2020 6:20:56 PM	56576
Lead	ND	0.53	0.59		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Manganese	55	0.33	0.39		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Silver	ND	0.29	0.49		mg/Kg	2	11/23/2020 5:11:31 PM	56576
Uranium	ND	1.4	9.8		mg/Kg	2	11/23/2020 3:44:51 PM	56576
Zinc	8.4	2.6	4.9		mg/Kg	2	11/23/2020 3:44:51 PM	56576

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-023 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-V12
Collection Date: 11/17/2020 11:25:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	2.5	8.7		mg/Kg	1	11/20/2020 11:23:38 A	56552
Motor Oil Range Organics (MRO)	ND	43	43		mg/Kg	1	11/20/2020 11:23:38 A	56552
Surr: DNOP	96.3	0	30.4-154		%Rec	1	11/20/2020 11:23:38 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.7		mg/Kg	1	11/20/2020 4:51:10 PM	56548
Surr: BFB	94.2	0	75.3-105		%Rec	1	11/20/2020 4:51:10 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0089	0.024		mg/Kg	1	11/20/2020 4:51:10 PM	56548
Toluene	ND	0.0023	0.047		mg/Kg	1	11/20/2020 4:51:10 PM	56548
Ethylbenzene	ND	0.0041	0.047		mg/Kg	1	11/20/2020 4:51:10 PM	56548
Xylenes, Total	ND	0.011	0.095		mg/Kg	1	11/20/2020 4:51:10 PM	56548
Surr: 4-Bromofluorobenzene	102	0	80-120		%Rec	1	11/20/2020 4:51:10 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T12
Project: Landfarm
Collection Date: 11/17/2020 2:40:00 PM
Lab ID: 2011912-024 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	8.0	2.9	9.8	J	mg/Kg	1	11/20/2020 11:33:21 A	56552
Motor Oil Range Organics (MRO)	ND	49	49		mg/Kg	1	11/20/2020 11:33:21 A	56552
Surr: DNOP	122	0	30.4-154		%Rec	1	11/20/2020 11:33:21 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 5:14:27 PM	56548
Surr: BFB	94.0	0	75.3-105		%Rec	1	11/20/2020 5:14:27 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0090	0.024		mg/Kg	1	11/20/2020 5:14:27 PM	56548
Toluene	ND	0.0023	0.048		mg/Kg	1	11/20/2020 5:14:27 PM	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 5:14:27 PM	56548
Xylenes, Total	ND	0.012	0.096		mg/Kg	1	11/20/2020 5:14:27 PM	56548
Surr: 4-Bromofluorobenzene	99.5	0	80-120		%Rec	1	11/20/2020 5:14:27 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **MRA**	
Chloride	ND	59	59		mg/Kg	20	11/24/2020 4:42:48 PM	56627
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.041	0.0027	0.034		mg/Kg	1	11/20/2020 10:23:19 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.8	5.0		mg/Kg	2	11/23/2020 5:12:59 PM	56577
Barium	66	0.12	0.20		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Cadmium	ND	0.10	0.20		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Chromium	7.1	0.30	0.60		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Copper	45	0.62	0.80		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Iron	7100	250	250		mg/Kg	100	11/24/2020 2:40:46 PM	56577
Lead	1.5	0.54	0.60		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Manganese	67	0.33	0.40		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Selenium	ND	4.4	5.0		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Silver	ND	0.29	0.50		mg/Kg	2	11/23/2020 5:12:59 PM	56577
Uranium	ND	1.5	10		mg/Kg	2	11/23/2020 3:46:26 PM	56577
Zinc	14	2.7	5.0		mg/Kg	2	11/23/2020 3:46:26 PM	56577

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V13
Project: Landfarm
Collection Date: 11/17/2020 11:35:00 AM
Lab ID: 2011912-025 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	ND	3.0	10		mg/Kg	1	11/20/2020 11:43:05 A	56552
Motor Oil Range Organics (MRO)	ND	50	50		mg/Kg	1	11/20/2020 11:43:05 A	56552
Surr: DNOP	95.7	0	30.4-154		%Rec	1	11/20/2020 11:43:05 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.9	4.9		mg/Kg	1	11/20/2020 5:37:43 PM	56548
Surr: BFB	94.5	0	75.3-105		%Rec	1	11/20/2020 5:37:43 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0092	0.025		mg/Kg	1	11/20/2020 5:37:43 PM	56548
Toluene	ND	0.0024	0.049		mg/Kg	1	11/20/2020 5:37:43 PM	56548
Ethylbenzene	ND	0.0043	0.049		mg/Kg	1	11/20/2020 5:37:43 PM	56548
Xylenes, Total	ND	0.012	0.098		mg/Kg	1	11/20/2020 5:37:43 PM	56548
Surr: 4-Bromofluorobenzene	102	0	80-120		%Rec	1	11/20/2020 5:37:43 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-026 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-T13
Collection Date: 11/17/2020 2:55:00 PM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	28	2.8	9.7		mg/Kg	1	11/20/2020 11:52:49 A	56552
Motor Oil Range Organics (MRO)	110	48	48		mg/Kg	1	11/20/2020 11:52:49 A	56552
Surr: DNOP	106	0	30.4-154		%Rec	1	11/20/2020 11:52:49 A	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.7		mg/Kg	1	11/20/2020 6:00:56 PM	56548
Surr: BFB	92.6	0	75.3-105		%Rec	1	11/20/2020 6:00:56 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0088	0.023		mg/Kg	1	11/20/2020 6:00:56 PM	56548
Toluene	ND	0.0023	0.047		mg/Kg	1	11/20/2020 6:00:56 PM	56548
Ethylbenzene	ND	0.0040	0.047		mg/Kg	1	11/20/2020 6:00:56 PM	56548
Xylenes, Total	ND	0.011	0.093		mg/Kg	1	11/20/2020 6:00:56 PM	56548
Surr: 4-Bromofluorobenzene	99.9	0	80-120		%Rec	1	11/20/2020 6:00:56 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **MRA**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 4:55:12 PM	56627
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.12	0.0025	0.031		mg/Kg	1	11/20/2020 10:25:27 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	3.6	2.8	4.9	J	mg/Kg	2	11/23/2020 5:24:32 PM	56577
Barium	96	0.12	0.20		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Cadmium	ND	0.098	0.20		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Chromium	5.9	0.30	0.59		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Copper	3.4	0.60	0.79		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Iron	5300	250	250		mg/Kg	100	11/24/2020 2:42:13 PM	56577
Lead	ND	0.53	0.59		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Manganese	66	0.33	0.39		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Selenium	ND	4.3	4.9		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Silver	ND	0.29	0.49		mg/Kg	2	11/23/2020 5:24:32 PM	56577
Uranium	ND	1.4	9.8		mg/Kg	2	11/23/2020 3:52:42 PM	56577
Zinc	12	2.6	4.9		mg/Kg	2	11/23/2020 3:52:42 PM	56577

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Project: Landfarm
Lab ID: 2011912-027 **Matrix:** SOIL

Client Sample ID: S-11208903-111720-CN-V14
Collection Date: 11/17/2020 11:50:00 AM
Received Date: 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	9.4	2.7	9.1		mg/Kg	1	11/20/2020 12:02:44 P	56552
Motor Oil Range Organics (MRO)	56	46	46		mg/Kg	1	11/20/2020 12:02:44 P	56552
Surr: DNOP	85.6	0	30.4-154		%Rec	1	11/20/2020 12:02:44 P	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 6:24:12 PM	56548
Surr: BFB	92.9	0	75.3-105		%Rec	1	11/20/2020 6:24:12 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 6:24:12 PM	56548
Toluene	ND	0.0024	0.048		mg/Kg	1	11/20/2020 6:24:12 PM	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 6:24:12 PM	56548
Xylenes, Total	ND	0.012	0.097		mg/Kg	1	11/20/2020 6:24:12 PM	56548
Surr: 4-Bromofluorobenzene	100	0	80-120		%Rec	1	11/20/2020 6:24:12 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T14
Project: Landfarm
Collection Date: 11/17/2020 3:10:00 PM
Lab ID: 2011912-028 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **CLP**	
Diesel Range Organics (DRO)	4.8	2.7	9.2	J	mg/Kg	1	11/25/2020 8:25:09 AM	56552
Motor Oil Range Organics (MRO)	ND	46	46		mg/Kg	1	11/25/2020 8:25:09 AM	56552
Surr: DNOP	98.1	0	30.4-154		%Rec	1	11/25/2020 8:25:09 AM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 6:47:25 PM	56548
Surr: BFB	92.6	0	75.3-105		%Rec	1	11/20/2020 6:47:25 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0090	0.024		mg/Kg	1	11/20/2020 6:47:25 PM	56548
Toluene	ND	0.0023	0.048		mg/Kg	1	11/20/2020 6:47:25 PM	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 6:47:25 PM	56548
Xylenes, Total	ND	0.012	0.097		mg/Kg	1	11/20/2020 6:47:25 PM	56548
Surr: 4-Bromofluorobenzene	99.9	0	80-120		%Rec	1	11/20/2020 6:47:25 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **MRA**	
Chloride	ND	59	59		mg/Kg	20	11/24/2020 5:07:36 PM	56627
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.0069	0.0025	0.031	J	mg/Kg	1	11/20/2020 10:27:35 A	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	ND	2.7	4.8		mg/Kg	2	11/23/2020 5:26:07 PM	56577
Barium	140	0.12	0.19		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Cadmium	ND	0.096	0.19		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Chromium	4.6	0.29	0.57		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Copper	2.3	0.59	0.77		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Iron	4100	240	240		mg/Kg	100	11/24/2020 2:43:40 PM	56577
Lead	ND	0.51	0.57		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Manganese	53	0.32	0.38		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Selenium	ND	4.2	4.8		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Silver	1.3	0.28	0.48		mg/Kg	2	11/23/2020 5:26:07 PM	56577
Uranium	ND	1.4	9.6		mg/Kg	2	11/23/2020 3:54:16 PM	56577
Zinc	9.5	2.6	4.8		mg/Kg	2	11/23/2020 3:54:16 PM	56577

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-V15
Project: Landfarm
Collection Date: 11/17/2020 11:00:00 AM
Lab ID: 2011912-029 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	42	2.8	9.4		mg/Kg	1	11/23/2020 12:15:14 P	56552
Motor Oil Range Organics (MRO)	96	47	47		mg/Kg	1	11/23/2020 12:15:14 P	56552
Surr: DNOP	92.2	0	30.4-154		%Rec	1	11/23/2020 12:15:14 P	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.7	4.6		mg/Kg	1	11/20/2020 7:10:39 PM	56548
Surr: BFB	92.7	0	75.3-105		%Rec	1	11/20/2020 7:10:39 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0087	0.023		mg/Kg	1	11/20/2020 7:10:39 PM	56548
Toluene	ND	0.0022	0.046		mg/Kg	1	11/20/2020 7:10:39 PM	56548
Ethylbenzene	ND	0.0040	0.046		mg/Kg	1	11/20/2020 7:10:39 PM	56548
Xylenes, Total	ND	0.011	0.092		mg/Kg	1	11/20/2020 7:10:39 PM	56548
Surr: 4-Bromofluorobenzene	100	0	80-120		%Rec	1	11/20/2020 7:10:39 PM	56548

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
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2011912**
Date Reported: **12/29/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD
Client Sample ID: S-11208903-111720-CN-T15
Project: Landfarm
Collection Date: 11/17/2020 3:30:00 PM
Lab ID: 2011912-030 **Matrix:** SOIL **Received Date:** 11/18/2020 8:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: **mb**	
Diesel Range Organics (DRO)	55	2.8	9.6		mg/Kg	1	11/23/2020 1:43:48 PM	56552
Motor Oil Range Organics (MRO)	240	48	48		mg/Kg	1	11/23/2020 1:43:48 PM	56552
Surr: DNOP	79.7	0	30.4-154		%Rec	1	11/23/2020 1:43:48 PM	56552
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **RAA**	
Gasoline Range Organics (GRO)	ND	3.8	4.8		mg/Kg	1	11/20/2020 7:33:59 PM	56548
Surr: BFB	92.2	0	75.3-105		%Rec	1	11/20/2020 7:33:59 PM	56548
EPA METHOD 8021B: VOLATILES							Analyst: **RAA**	
Benzene	ND	0.0091	0.024		mg/Kg	1	11/20/2020 7:33:59 PM	56548
Toluene	ND	0.0024	0.048		mg/Kg	1	11/20/2020 7:33:59 PM	56548
Ethylbenzene	ND	0.0042	0.048		mg/Kg	1	11/20/2020 7:33:59 PM	56548
Xylenes, Total	ND	0.012	0.097		mg/Kg	1	11/20/2020 7:33:59 PM	56548
Surr: 4-Bromofluorobenzene	98.0	0	80-120		%Rec	1	11/20/2020 7:33:59 PM	56548
EPA METHOD 300.0: ANIONS							Analyst: **MRA**	
Chloride	ND	60	60		mg/Kg	20	11/24/2020 5:20:01 PM	56627
EPA METHOD 7471: MERCURY							Analyst: **ags**	
Mercury	0.073	0.0026	0.033		mg/Kg	1	11/20/2020 12:02:35 P	56542
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	3.6	2.8	5.0	J	mg/Kg	2	11/23/2020 5:27:35 PM	56577
Barium	210	0.12	0.20		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Cadmium	ND	0.10	0.20		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Chromium	17	0.30	0.60		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Copper	260	0.61	0.80		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Iron	12000	250	250		mg/Kg	100	11/24/2020 2:45:13 PM	56577
Lead	3.9	0.53	0.60		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Manganese	110	0.33	0.40		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Selenium	ND	4.4	5.0		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Silver	ND	0.29	0.50		mg/Kg	2	11/23/2020 5:27:35 PM	56577
Uranium	ND	1.4	10		mg/Kg	2	11/23/2020 3:55:44 PM	56577
Zinc	31	2.7	5.0		mg/Kg	2	11/23/2020 3:55:44 PM	56577

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
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **MB-56608**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **56608**	RunNo: **73569**							
Prep Date: **11/23/2020**	Analysis Date: **11/23/2020**	SeqNo: **2591826**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-56608**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **56608**	RunNo: **73569**							
Prep Date: **11/23/2020**	Analysis Date: **11/23/2020**	SeqNo: **2591827**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: **MB-56627**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **56627**	RunNo: **73617**							
Prep Date: **11/24/2020**	Analysis Date: **11/24/2020**	SeqNo: **2594053**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-56627**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **56627**	RunNo: **73617**							
Prep Date: **11/24/2020**	Analysis Date: **11/24/2020**	SeqNo: **2594054**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	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
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **MB-56549**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **56549**	RunNo: **73527**							
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589784**	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	11		10.00		108	30.4	154			

Sample ID: **MB-56552**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **56552**	RunNo: **73527**							
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589785**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	3.0	10								J
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	30.4	154			

Sample ID: **LCS-56549**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **56549**	RunNo: **73527**							
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589787**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	109	70	130			
Surr: DNOP	5.2		5.000		103	30.4	154			

Sample ID: **LCS-56552**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **56552**	RunNo: **73527**							
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589788**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	70	130			
Surr: DNOP	5.1		5.000		101	30.4	154			

Sample ID: **2011912-011AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **S-11208903-111720-**	Batch ID: **56552**	RunNo: **73527**							
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589844**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.9	49.41	0	106	15	184			
Surr: DNOP	4.8		4.941		97.3	30.4	154			

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **2011912-011AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-11208903-111720-** Batch ID: **56552** RunNo: **73527**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589847** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.8	49.12	0	120	15	184	12.2	23.9	
Surr: DNOP	6.4		4.912		130	30.4	154	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **2011912-011ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-11208903-111720-** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589679** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.46	0	112	61.3	114			
Surr: BFB	1000		978.5		105	75.3	105			

Sample ID: **2011912-011amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **S-11208903-111720-** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589680** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.58	0	112	61.3	114	1.06	20	
Surr: BFB	1000		983.3		105	75.3	105	0	0	S

Sample ID: **lcs-56548** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589712** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.2	72.5	106			
Surr: BFB	1000		1000		103	75.3	105			

Sample ID: **mb-56548** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589714** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.3	75.3	105			

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **2011912-012ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-11208903-111720-** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589732** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.023	0.9363	0	102	76.3	120			
Toluene	1.0	0.047	0.9363	0.01021	107	78.5	120			
Ethylbenzene	1.0	0.047	0.9363	0	109	78.1	124			
Xylenes, Total	3.1	0.094	2.809	0	109	79.3	125			
Surr: 4-Bromofluorobenzene	0.94		0.9363		100	80	120			

Sample ID: **2011912-012amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **S-11208903-111720-** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589733** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	0.9881	0	97.0	76.3	120	0.803	20	
Toluene	1.0	0.049	0.9881	0.01021	102	78.5	120	0.995	20	
Ethylbenzene	1.0	0.049	0.9881	0	104	78.1	124	1.00	20	
Xylenes, Total	3.1	0.099	2.964	0	105	79.3	125	1.06	20	
Surr: 4-Bromofluorobenzene	0.99		0.9881		99.7	80	120	0	0	

Sample ID: **LCS-56548** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589764** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: **mb-56548** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **56548** RunNo: **73525**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589766** Units: **mg/Kg**

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	0.98		1.000		97.7	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **mb-56543** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS** Batch ID: **56543** RunNo: **73528**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589871** Units: **mg/Kg**

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: 1,2-Dichloroethane-d4	0.48		0.5000		95.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.6	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Sample ID: **lcs-56543** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC** Batch ID: **56543** RunNo: **73528**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589872** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.2	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.49		0.5000		97.7	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **MB-56542** SampType: **MBLK** TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS** Batch ID: **56542** RunNo: **73512**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589059** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID: **LLLCS-56542** SampType: **LCSLL** TestCode: **EPA Method 7471: Mercury**
Client ID: **BatchQC** Batch ID: **56542** RunNo: **73512**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589060** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0048	0.033	0.006660	0	72.5	70	130			J

Sample ID: **LCS-56542** SampType: **LCS** TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS** Batch ID: **56542** RunNo: **73512**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589061** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.16	0.033	0.1667	0	94.7	80	120			

Sample ID: **2011912-002AMS** SampType: **MS** TestCode: **EPA Method 7471: Mercury**
Client ID: **S-11208903-111720-** Batch ID: **56542** RunNo: **73512**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589072** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.18	0.033	0.1680	0.02699	89.4	80	120			

Sample ID: **2011912-002AMSD** SampType: **MSD** TestCode: **EPA Method 7471: Mercury**
Client ID: **S-11208903-111720-** Batch ID: **56542** RunNo: **73512**
Prep Date: **11/19/2020** Analysis Date: **11/20/2020** SeqNo: **2589073** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.034	0.1696	0.02699	86.6	80	120	1.85	20	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **MB-56576**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **56576**	RunNo: **73564**
Prep Date: **11/20/2020**	Analysis Date: **11/23/2020**	SeqNo: **2591392** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Iron	ND	2.5								
Lead	ND	0.30								
Manganese	ND	0.20								
Selenium	ND	2.5								
Silver	ND	0.25								
Uranium	ND	5.0								
Zinc	ND	2.5								

Sample ID: **LCS-56576**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **56576**	RunNo: **73564**
Prep Date: **11/20/2020**	Analysis Date: **11/23/2020**	SeqNo: **2591394** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	2.5	25.00	0	102	80	120			
Barium	24	0.10	25.00	0	97.5	80	120			
Cadmium	24	0.10	25.00	0	97.2	80	120			
Chromium	25	0.30	25.00	0	98.7	80	120			
Copper	27	0.40	25.00	0	107	80	120			
Iron	26	2.5	25.00	0	106	80	120			
Lead	24	0.30	25.00	0	97.1	80	120			
Manganese	24	0.20	25.00	0	97.3	80	120			
Selenium	25	2.5	25.00	0	99.6	80	120			
Silver	4.7	0.25	5.000	0	94.1	80	120			
Uranium	25	5.0	25.00	0	99.2	80	120			
Zinc	25	2.5	25.00	0	98.9	80	120			

Sample ID: **MB-56577**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **56577**	RunNo: **73564**
Prep Date: **11/20/2020**	Analysis Date: **11/23/2020**	SeqNo: **2591395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.40								

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **MB-56577** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2591395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	ND	0.30								
Manganese	ND	0.20								
Selenium	ND	2.5								
Silver	ND	0.25								
Uranium	ND	5.0								
Zinc	ND	2.5								

Sample ID: **LCS-56577** SampType: **LCS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2591397** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	2.5	25.00	0	98.4	80	120			
Barium	24	0.10	25.00	0	97.5	80	120			
Cadmium	24	0.10	25.00	0	95.9	80	120			
Chromium	24	0.30	25.00	0	97.5	80	120			
Copper	27	0.40	25.00	0	107	80	120			
Lead	24	0.30	25.00	0	96.8	80	120			
Manganese	24	0.20	25.00	0	97.2	80	120			
Selenium	24	2.5	25.00	0	97.1	80	120			
Silver	4.6	0.25	5.000	0	91.1	80	120			
Uranium	25	5.0	25.00	0	98.8	80	120			
Zinc	24	2.5	25.00	0	96.2	80	120			

Sample ID: **2011912-024AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-111720-** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2591441** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	95	0.19	24.35	65.63	119	75	125			
Cadmium	22	0.19	24.35	0	91.2	75	125			
Chromium	31	0.58	24.35	7.087	97.8	75	125			
Copper	78	0.78	24.35	44.52	136	75	125			S
Lead	23	0.58	24.35	1.458	88.1	75	125			
Manganese	92	0.39	24.35	67.49	103	75	125			
Selenium	23	4.9	24.35	0	93.8	75	125			
Uranium	21	9.7	24.35	0	87.6	75	125			
Zinc	37	4.9	24.35	13.74	94.8	75	125			

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **2011912-024AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-111720-** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2591442** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	94	0.20	24.61	65.63	113	75	125	1.13	20	
Cadmium	22	0.20	24.61	0	91.1	75	125	0.876	20	
Chromium	30	0.59	24.61	7.087	94.1	75	125	2.16	20	
Copper	84	0.79	24.61	44.52	161	75	125	8.00	20	S
Lead	23	0.59	24.61	1.458	87.7	75	125	0.563	20	
Manganese	92	0.39	24.61	67.49	98.8	75	125	0.728	20	
Selenium	21	4.9	24.61	0	84.9	75	125	8.94	20	
Uranium	21	9.8	24.61	0	85.8	75	125	1.01	20	
Zinc	36	4.9	24.61	13.74	91.9	75	125	1.29	20	

Sample ID: **MB-56576** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **56576** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2592586** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	ND	0.40								

Sample ID: **MB-56577** SampType: **MBLK** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2592587** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	2.5								

Sample ID: **2011912-024AMS** SampType: **MS** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-111720-** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2592597** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	28	4.9	24.35	0	115	75	125			
Silver	3.2	0.49	4.871	0	65.5	75	125			S

Sample ID: **2011912-024AMSD** SampType: **MSD** TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **S-11208903-111720-** Batch ID: **56577** RunNo: **73564**
Prep Date: **11/20/2020** Analysis Date: **11/23/2020** SeqNo: **2592598** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	26	4.9	24.61	0	105	75	125	7.82	20	
Silver	3.3	0.49	4.922	0	66.3	75	125	2.18	20	S

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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **MB-56577**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **56577**	RunNo: **73592**
Prep Date: **11/20/2020**	Analysis Date: **11/24/2020**	SeqNo: **2593064** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	ND	2.5								

Sample ID: **LCS-56577**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **56577**	RunNo: **73592**
Prep Date: **11/20/2020**	Analysis Date: **11/24/2020**	SeqNo: **2593074** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Iron	26	2.5	25.00	0	102	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 Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2011912**
29-Dec-20

Client: GHD
Project: Landfarm

Sample ID: **mb-56543**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **56543**	RunNo: **73528**
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589890** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		96.4	70	130			

Sample ID: **lcs-56543**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **56543**	RunNo: **73528**
Prep Date: **11/19/2020**	Analysis Date: **11/20/2020**	SeqNo: **2589891** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.6	70	130			
Surr: BFB	480		500.0		96.6	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 Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD | Work Order Number: 2011912 | RcptNo: 1

Received By: Emily Mocho 11/18/2020 8:00:00 AM

Completed By: Emily Mocho 11/18/2020 10:55:52 AM

Reviewed By: SGL 11/18/20

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☑	No ☐	NA ☐
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
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 ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: SPA 11.18.20

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			
2	2.2	Good	Yes			
3	2.5	Not Good	Yes			

Chain-of-Custody Record

Client: GHD

Mailing Address: on File

Phone #: 505 269 0888

email or Fax#: Christine.Mathews@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: 11208903

Project #: Landfarm

Project Manager: Christine Mathews.

Sampler: CM

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See remarks (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2011912	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8015M TPH GRO/DRO/ORO	BTEX 8021B	Metals 6010	Chlor. Ide 300	Mercury 7470	
11-17-20	0855	S	S-11208903-111720-CN-V1	4oz Jar	—	001											X	X				
	1155		S-11208903-111720-CN-T1			002											X	X	X	X	X	X
	0910		S-11208903-111720-CN-V2			003											X	X				
	1205		S-11208903-111720-CN-T2			004											X	X	X	X	X	X
	0920		S-11208903-111720-CN-V3			005											X	X				
	1220		S-11208903-111720-CN-T3			006											X	X	X	X	X	X
	0935		S-11208903-111720-CN-V4			007											X	X	[redacted]			
	1240		S-11208903-111720-CN-T4			008											X	X	X	X	X	X
	0940		S-11208903-111720-CN-V5			009											X	X				
	1255		S-11208903-111720-CN-T5			010											X	X	X	X	X	X
	0950		S-11208903-111720-CN-V6			011											X	X				
↓	1310	↓	S-11208903-111720-CN-T6	↓		012											X	X	X	X	X	X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11-17-20	1700				11/17/20	1700
11/17/20	1900			em courier	11/18/20	800

Remarks:
Metals - As, Ba, Cd, Cr, Co, Fe, Mn, Pb
Se, Ag, Zn, V 2.1 ±0=2.1
2.2 ±0=2.2
2.5 ±0=2.5

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.

Chain-of-Custody Record

Client: GHD

Mailing Address: Cust File

Phone #: 505 - 269 0088

email or Fax#: Christine.Mathews@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☐ Rush_____

Project Name: Land Farm

Project #: 1120890 3

Project Manager: Christine Mathews.

Sampler:

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF): (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8015 TPH GRO/DRO/ORO	8021B BTEX	6010 Metals	300 Chloride	7470 Mercury	
Analysis Request																						
11-17-20	1000	S	S-1120890 3-111720-CN-V7	4oz Jar		013											X	X				
	1325		S-1120890 3-111720-CN-T7			014											X	X	X	X	X	X
	1015		S-1120890 3-111720-CN-V8			015											X	X				
	1340		S-1120890 3-111720-CN-T8			016											X	X	X	X	X	X
	1050		S-1120890 3-111720-CN-V9			017											X	X				
	1355		S-1120890 3-111720-CN-T9			018											X	X	X	X	X	X
	1035		S-1120890 3-111720-CN-V10			019											X	X				
	1410		S-1120890 3-111720-CN-T10			020											X	X	X	X	X	X
	1110		S-1120890 3-111720-CN-V11			021											X	X				
	1425		S-1120890 3-111720-CN-T11			022											X	X	X	X	X	X
	1125		S-1120890 3-111720-CN-V12			023											X	X				
	1440		S-1120890 3-111720-CN-T12			024											X	X	X	X	X	X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11-17-20	1700				11/17/20	1700
11/17/20	1700		EM	courier	11/18/20	800

Remarks: Metals, As, Ba, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Zn, U.
2.1 ± 0 = 2.1
2.2 ± 0 = 2.2
2.5 ± 0 = 2.5

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Chain-of-Custody Record

Client: GHD

Mailing Address: On File

Phone #: 505 269 0088

email or Fax#: Christine.Mathews@ghd.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Land Farm

Project #: 11208903

Project Manager: Christine Mathews

Sampler: CM

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See remarks (°C)

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4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8015 TPH GRO/DRO/ORO	8021B BTEX	6010 Metals	300 Chlorides	6020 Mercury	
11-17-20	1135	S	S-11208903-111720-CN-V13	4 oz Jar		025											X	X				
	1455		S-11208903-111720-CN-T13			026											X	X	X	X	X	X
	1150		S-11208903-111720-CN-V14			027											X	X				
	1510		S-11208903-111720-CN-T14			028											X	X	X	X	X	X
	1100		S-11208903-111720-CN-V15			029											X	X				
↓	1530	↓	S-11208903-111720-CN-T15	↓		030											X	X	X	X	X	X

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-17-20	1700					
11/17/20	1900				11/17/20	1700
			EM	courier	11/18/20	800

Remarks: Metals: As, Ba, Cd, Cr, Cu, Fe, Mn, Pb, Se, Ag, Zn, V.
2.1 ± 0 = 2.1
2.2 ± 0 = 2.2 2.5 ± 0 = 2.5

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.

Jones, Brad A., EMNRD

From: Jones, Brad A., EMNRD
Sent: Thursday, March 17, 2022 8:59 AM
To: Boultinghouse, Stacy
Cc: Christine.Mathews@ghd.com
Subject: 2020 Annual Monitoring Report Review
Attachments: 2022 0317 NM2-019 ETC Texas Pipeline Ltd Limited Partnership 2020 Annual Monitoring Report Review signed.pdf

Stacy,

Please see the attached. OCD has completed the review of the 2020 Annual Monitoring Report. If you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Brad Jones

Brad A. Jones ● Environmental Scientist Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
1220 S. Saint Francis Drive | Santa Fe, New Mexico 87505
(505) 469-7486 | brad.a.jones@state.nm.us
www.emnrd.nm.gov

State of New Mexico
Energy, Minerals and Natural Resources Department

March 17, 2022

Stacy Boultinghouse
ETC Texas Pipeline Ltd., Limited Partnership
8111 Westchester Dr., Suite 600
Dallas, Texas 75225

Re: 2020 Annual Monitoring Report Review
ETC Texas Pipeline Ltd., Limited Partnership (OGRID 328923)
Permit NM2-019
Location: Unit F of Section 36, Township 23 South, Range 36 East, NMPM,
Lea County, New Mexico

Ms. Boultinghouse:

The Oil Conservation Division (OCD) has completed its review of ETC Texas Pipeline Ltd., Limited Partnership's (ETC) 2020 Annual Monitoring Report, submitted to OCD on December 14, 2021 through OCD Permitting, for Jal No. 4 landfarm under OCD permit NM2-019. OCD's review of the annual report has resulted in the discovery of the absence of the second quarter vadose zone sampling event laboratory analytical results and partial compliance to the requirements of 19.15.36 NMAC when a release has been detected in the vadose zone from the required routine quarterly monitoring.

In Appendix A, Laboratory Analytical Reports, OCD discovered that the laboratory data reports from Hall Environmental Analysis Laboratory, dated May 20, 2020 and June 10, 2020, are both duplicates of the results from the first quarter sampling event performed on March 26, 2020. OCD was unable to locate the laboratory analytical results that represent the second quarter vadose zone sampling event performed on May 21, 2020 and the results provided on Table 3.

In the last paragraph/sentence of Section 2.3, ETC/GHD states the following: "In accordance with NMAC 19.15.36. 15 E (5), an assessment of the above listed vadose detections of chloride, BTEX and TPH constituents will be completed at the Landfarm." OCD wishes to clarify that the release notice to OCD, the additional sampling, and the submittal of the sampling results and the release response action plan of 19.15.36.15.E(5) NMAC is required after each quarterly routine vadose zone sampling event if TPH, BTEX, and/or chloride exceed the higher of the PQL or the background soil concentrations. Even though ETC/GHD is still working with OCD to resolve the facility background, the non-detect background results for the BTEX constituents and TPH constituents of GRO. DRO and MRO should be considered and applied to the quarterly vadose zone sample results. As for Chloride, the facility background results demonstrate a range from non-detects at 2.5 mg/kg to the highest detection of 9.32 mg/kg. OCD noticed that chloride was assessed at a reporting/detection limit of 60 mg/kg during the March 26, 2020 vadose

zone sampling event. OCD does not consider this to be a proper assessment for a release of chlorides in the vadose zone.

In accordance with 19.15.36.15.E(5) NMAC, if vadose zone sampling results show that the concentrations of TPH, BTEX or chlorides exceed the higher of the PQL or the background soil concentrations, then the operator shall notify the division's environmental bureau of the exceedance and shall immediately collect and analyze a minimum of four randomly selected, independent samples for TPH, BTEX, chlorides and the constituents listed in Subsections A and B of 20.6.2.3103 NMAC. The operator shall submit the results of the re-sampling event and a response action plan for the division's approval within 45 days of the initial notification. The response action plan shall address changes in the landfarm's operation to prevent further contamination and, if necessary, a plan for remediating existing contamination. The additional 4 samples should be taken around the location of each detected vadose zone release and demonstrated exceedance to investigate and determine if additional constituents are associated with the detected release locations of TPH, BTEX and/or chloride from the routine quarterly vadose zone monitoring. In the future, immediately provide the notice to OCD of the detected releases of TPH, BTEX, and chlorides from the routine quarterly vadose zone monitoring and complete the additional sampling and analysis required of 19.15.36.15.E(5) NMAC. When ETC/GHD and OCD resolve the facility background, then ETC/GHD can complete the assessment of the additional sampling and analysis required of 19.15.36.15.E(5) NMAC and submit a response action plan to OCD for review and consideration of approval.

In the future, if compliance with the additional sampling required of 19.15.36.15.E(5) NMAC coincides with a routine vadose zone sampling event, please perform each sampling event separately. The next routine vadose zone sampling event should not be performed in the same vicinity in which releases were detected from the previous routine sampling event and the additional investigation of 19.15.36.15.E(5) NMAC is required.

OCD also recommends reviewing the OCD April 21, 2021 policy on *How to address a release to the vadose zone at a Part 36 landfarm pursuant to Part 29* at the following hyperlink: https://www.emnrd.nm.gov/ocd/wp-content/uploads/sites/6/2021-0421-How-to-address-a-release-to-the-vadose-zone-at-a-Part-36-landfarm-pursuant-to-Part-29.pdf. This document is to advise parties on how to address the following scenario: When a landfarm operator completes the release response sampling required of 19.15.36.15.E(5) NMAC and submits a response action plan proposing to remediate the "unauthorized" release discovered in the vadose zone pursuant to 19.15.29 NMAC and OCD approves the response action plan.

If there are any questions regarding this matter, please do not hesitate to email me at brad.a.jones@state.nm.us.

Respectfully,

Brad A. Jones
Environmental Specialist

Cc: Christine Mathews, GHD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 66901

CONDITIONS

Operator:	OGRID:
ETC Texas Pipeline Ltd., Limited Partnership 8111 Westchester Drive Dallas, TX 75225	328923
	Action Number: 66901
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

CONDITIONS

Created By	Condition	Condition Date
bjones	OCD emailed the review to Stacy Boultinhouse (ETC) and Christine Mathews (GHD) on March 17, 2022. Please see the OCD's Response attached to the bottom of the report.	3/17/2022