

2135 S. Loop 250 W,  
Midland, Texas 79703  
United States  
www.ghd.com

Our ref: 11220758

February 21, 2022

New Mexico Oil Conservation Division  
District 2  
811 South First Street  
Artesia, New Mexico 88210

Re: **Site Characterization and Closure Report**  
**Madison 1 Fee COM #1 Release Site**  
**EOG Resources Inc.**  
**2RP-4640**  
**E-01-22S-27E, Eddy County, New Mexico**

To Whom It May Concern:

## 1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, analyses, and remedial activities in the affected areas at the EOG Madison 1 Fee COM #1 Release Site (Site). The Site is located in Unit Letter E, Section 01 of Township 22 South and Range 27 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.423508 N latitude and 104.147116 W longitude. The release occurred on private land owned by Clark Sammy D & Elizabeth A. Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figures 2 and 3, respectively.

## 2. Background Information

A C-141 initial report for this release was submitted to the NMOCD on February 28, 2018. The C-141 stated the release was caused by a “water dump on the production unit not working”. Approximately fifty-one (51) barrels (bbls) of crude oil were released with 0 bbls being recovered. No known date or time could be determined with this release.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Remediation Permit 2RP-4640. The Release Notification, Site Assessment/Characterization and closure portions of Form C-141 are provided as Attachment A.

### 3. Groundwater and Site Characterization

GHD characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12). The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico.

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i). No groundwater data could be located within one-half mile of the site; therefore, the release must be treated as if it occurred less than 50 feet from groundwater. No other receptors (water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. The Site characterization documentation (Karst Potential, FEMA, Points of Diversion, significant watercourse, and Wetlands maps) are provided in Attachment B. The soil closure criteria are provided below:

**General Site Characterization and Groundwater:**

Site Characterization	Average Groundwater Depth (ft.)
No Receptors	Unknown, Treated as <50 ft

**Table 3.1** Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Constituent	Limits
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	Not Applicable
Benzene	10 mg/kg
BTEX	50 mg/kg

### 4. Initial Soil Delineation Assessment Summary and Findings

On March 3, 2021, GHD Services Inc. (GHD) and EOG's contractor SDR Enterprise, LLC (SDR), on behalf of EOG, installed four (4) test pits and one (1) hand boring within the former tank battery containment at the Site. Soil samples were collected at depths ranging from the ground surface to thirteen (13) feet below ground surface (bgs). All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Eurofins Scientific Inc. (Eurofins) in Carlsbad, New Mexico.

Seventeen (17) of the thirty-one (31) soil samples exceeded applicable NMAC 19.15.29.12 Table I (Table I) Closure Criteria: TP1-S, TP1-2, TP1-4, TP1-6, TP2-S, TP3-S, TP3-2, TP3-4, TP3-6, TP4-S, TP4-2, TP4-4, TP4-6, TP4-8, HA1-S, HA1-2 and HA1-4. Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1 – Summary of Soil Analytical Data, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment C.

## 5. **Excavation, Waste Management, and Confirmation Sampling**

Due to the preliminary soil sampling activities exhibiting TPH concentrations above the closure criteria EOG had the tanks and other equipment within the impacted area removed to allow for excavation of the impacted material. GHD and SDR returned to the Site on November 15 through 17, 2021, to excavate the impacted soils. Confirmation soil samples (BH-1 through BH-16 and SW-1 through SW-10) were collected in areas representing no greater than two hundred (200) square feet. All confirmation samples were taken to Eurofins in Carlsbad, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated that confirmation soil samples BH-1 and SW-1 exhibited TPH concentrations above the closure criteria of 100 mg/kg for TPH. Laboratory Analytical Reports and Chain-of-Custody Documentation are provided in Attachment D. Analytical results are summarized in the attached Table 1 – Summary of Soil Analytical Data.

On November 19, 2021, GHD and SDR returned to the Site, to further excavate the areas exhibiting TPH concentrations above 100 mg/kg. After excavation activities were completed, GHD collected one (1) bottom hole confirmation sample (BH-1A) and one (1) sidewall confirmation sample (SW-1A), from areas representing no more than 200 square feet. All confirmation samples were taken to Eurofins in Carlsbad, New Mexico and analysed for BTEX by EPA Method 8021 B, TPH by Method 8015B Modified and Chloride EPA Method 300. Analytical results indicated benzene, BTEX, TPH and chloride concentrations were below NMAC Table I closure criteria. Photos of the excavation are provided as Attachment C.

Waste Management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM 64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 1,023.97 tons of impacted soil and rock were disposed at the Lea Land, LLC facility, from November 16 through 22, 2021. The Approved C-138 and disposal manifests are provided in Attachment E.

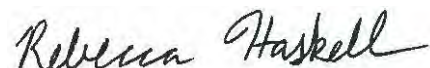
## 6. **nAPP1806032261 Closure Requests**

The excavation was backfilled with non-impacted material on November 29 through December 1, 2021. Site Characterization, soil delineation, and remediation activities for Remediation Permit 2RP-4640 have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for Remediation Permit 2RP-4640.

If you have any questions or comments concerning this Site Characterization and Closure Report, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

GHD



Becky Haskell  
Senior Project Manager



Zach H. Comino  
Field Geologist

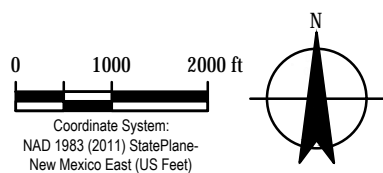
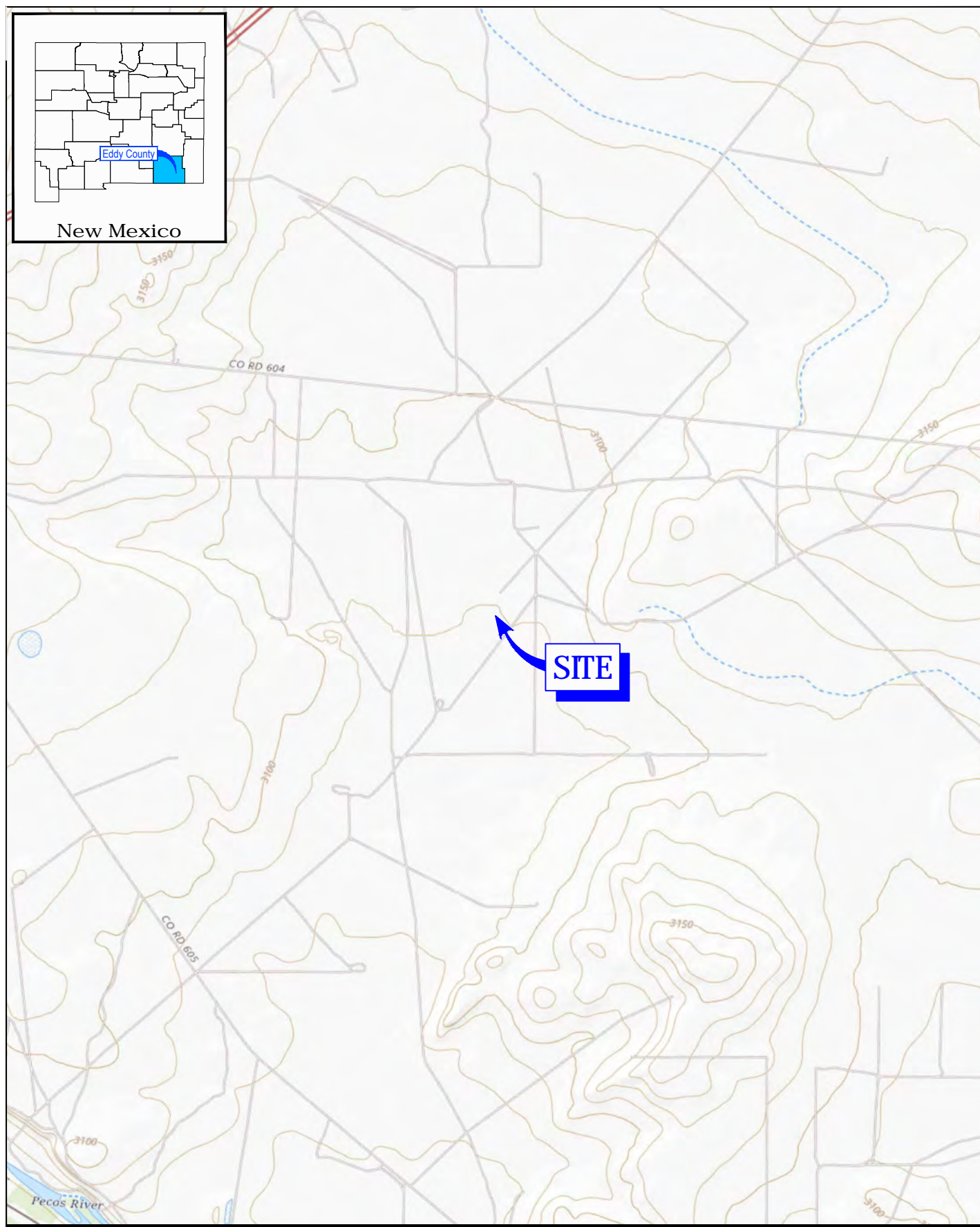
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Encl.    Figure 1 – Site Location Map  
          Figure 2 – Initial Site Assessment: Analytical Results Map  
          Figure 3 – Confirmation Sampling: Analytical Results Map  
          Table 1 – Summary of Soil Analytical Data  
          Attachment A – C-141 for Remediation Permit 2RP-4640  
          Attachment B – Site Characterization Documentation  
          Attachment C – Photographic Log  
          Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation  
          Attachment E – Approved C-138 and Disposal Manifests

cc:        James Kennedy



## Figures



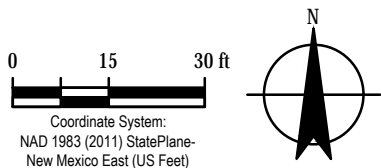
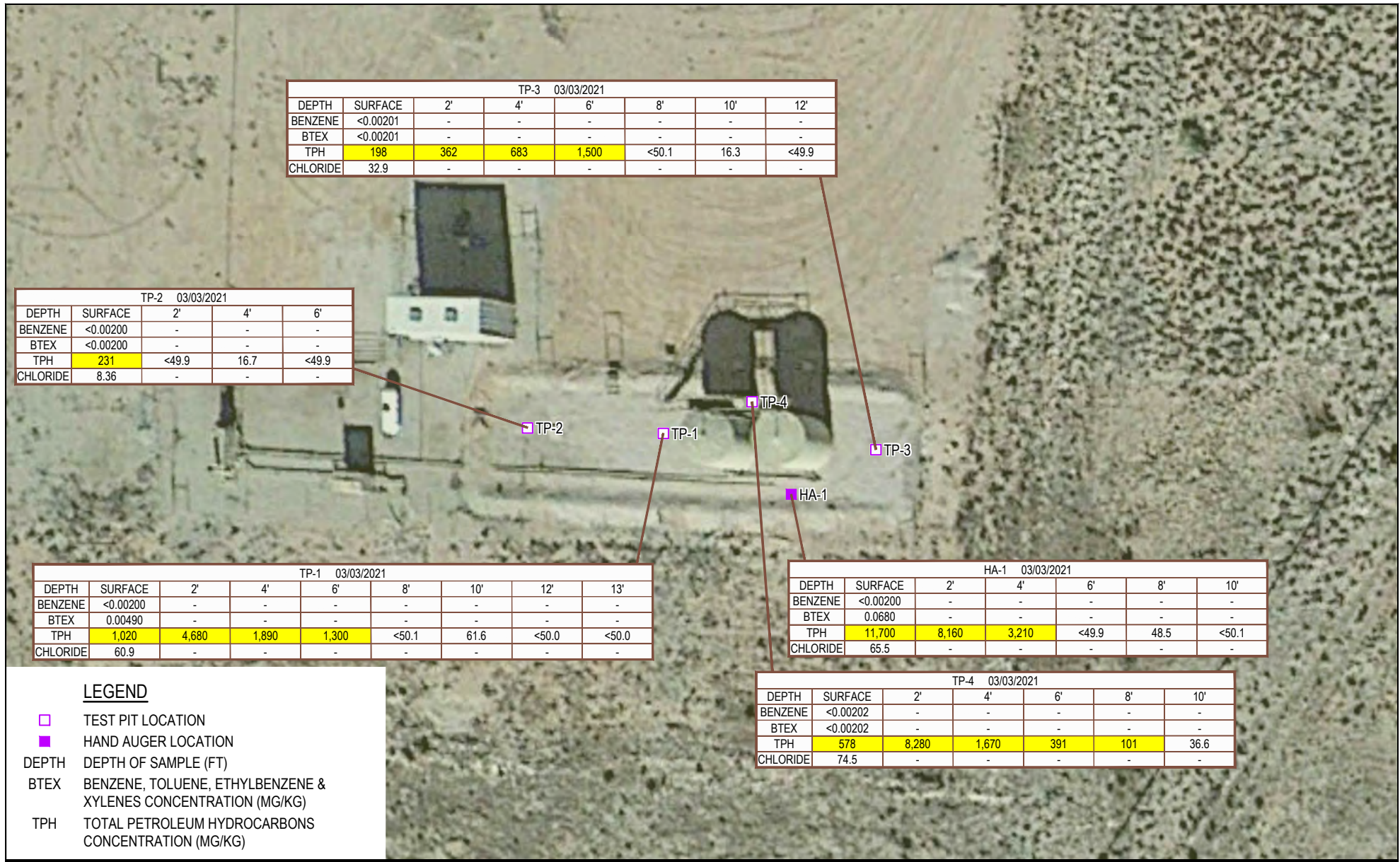
EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
MADISON 1 FEE COM #1

Project No. 11220758  
Date August 2021

SITE LOCATION MAP

FIGURE 1



**NOTES:**

1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.



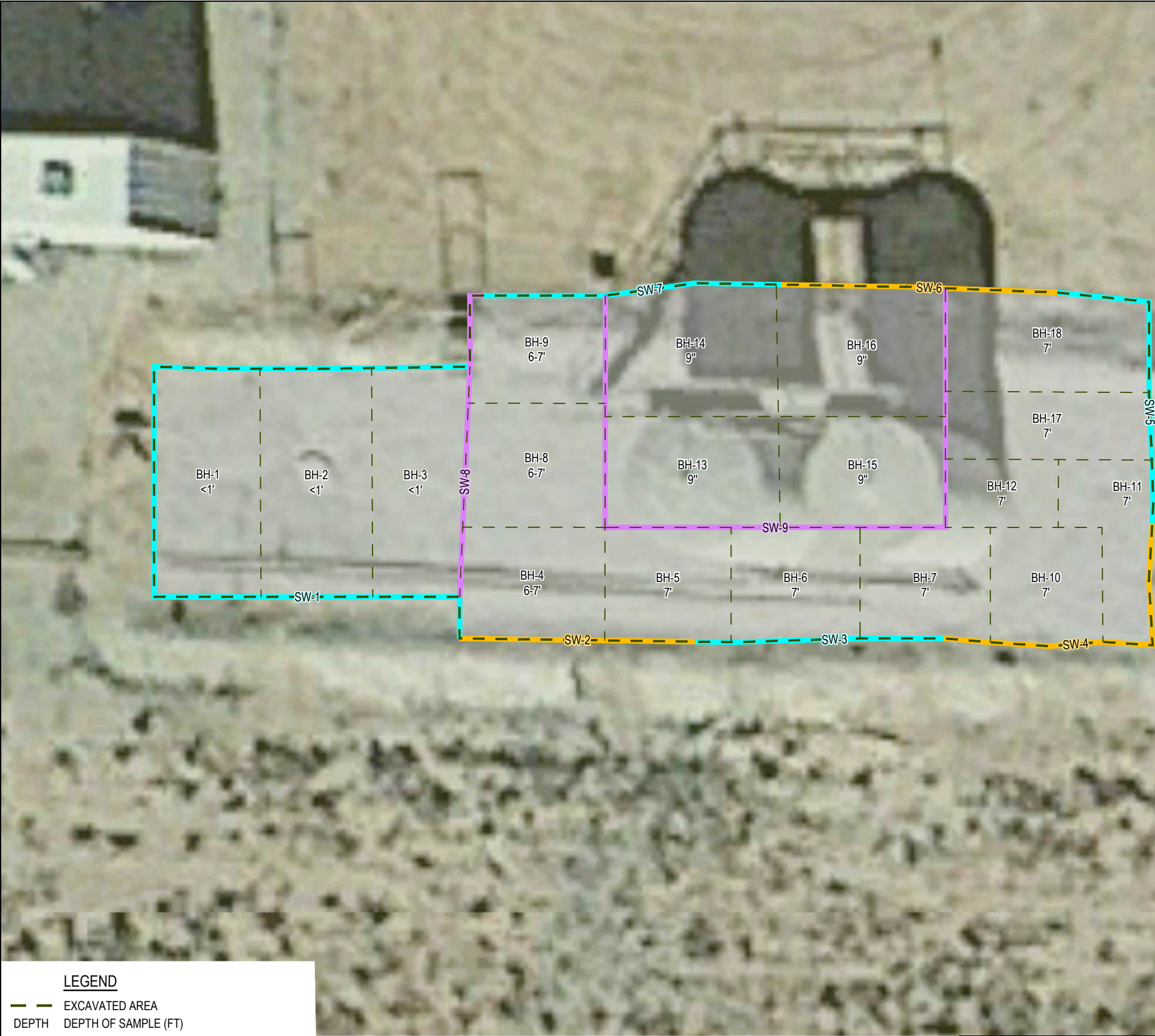
EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
MADISON 1 FEE COM #1

Project No. 11220758  
Date August 2021

SITE ASSESSMENT:  
SOIL ANALYTICAL RESULTS MAP

FIGURE 2





Sample ID	Sample Date	Depth (feet bgs)	Benzene	BTEX	TPH Total GRO/DRO/MRO	Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			Table I Closure Criteria for Soils <50 feet Depth to			
			10 mg/Kg	50 mg/Kg	100 mg/Kg	600 mg/Kg
Initial Assessment Samples						
Bottom Hole Confirmation Samples						
BH-1	11/15/21	<0.5	<0.00201	<0.00402	179.5	19.2
BH-1A	11/19/21	0.5-1	0.000401 J	0.00141 J	<50.0	152
BH-2	11/15/21	<0.5	<0.00199	<0.00398	70.8	11.5
BH-3	11/15/21	<0.5	<0.00199	<0.00398	38.6 J	8.22
BH-4	11/15/21	6	<0.00202	<0.00404	34.7 J	28.5
BH-5	11/15/21	6	0.000469 J	0.00104 J	42.1 J	6.3
BH-6	11/15/21	6-7	<0.00199	<0.00398	32.6 J	80.1
BH-7	11/15/21	7	<0.00201	0.00136 J	36.5 J	283
BH-8	11/15/21	6-7	0.000432 J	0.00181 J	17.0 J	18.9
BH-9	11/15/21	6-7	<0.00202	<0.00403	37.1 J	<5.04
BH-10	11/15/21	7	0.000855 J	0.00125 J	<49.8	100
BH-11	11/16/21	7	<0.00200	0.00243 J	<49.9	106
BH-12	11/16/21	7	0.000388 J	0.00500	<50.0	97.8
BH-13	11/16/21	9	0.000606 J F1	0.00112 J	<50.0	175
BH-14	11/16/21	9	<0.00200	0.00148 J	17.3 J	67.4
BH-15	11/16/21	9	0.000985 J	0.00284 J	28.3 J	18.7
BH-16	11/16/21	9	0.00165 J	0.00212 J	<49.9	84.9
BH-17	11/17/21	7	<0.00201	<0.00402	16.9 J	89.8
BH-18	11/17/21	7	<0.00201	<0.00402	15.8 J	9.73
Side Wall Confirmation Samples						
SW-1	11/15/21	-	<0.00200	0.00143 J	174.5	158
SW-1A	11/19/21	-	<0.00198	<0.00396	<50.0	50.9
SW-2	11/15/21	-	<0.00200	<0.00399	54.7	40.1
SW-3	11/15/21	-	<0.00200	<0.00399	57.5	455
SW-4	11/15/21	-	<0.00199	<0.00398	23.7 J	<4.98
SW-5	11/16/21	-	0.00116 J	0.00506	<49.9	79.6
SW-6	11/16/21	-	0.000526 J	0.00101 J	<50.0	155
SW-7	11/16/21	-	<0.00201	0.00371 J	16.5 J	92.3
SW-8	11/16/21	-	0.00166 J	0.00616	<49.9	149
SW-9	11/16/21	-	0.00104 J	0.00104 J	<49.8	82.2
SW-10	11/16/21	-	0.000864 J	0.00211 J	18.0 J	110

LEGEND

- EXCAVATED AREA
- DEPTH

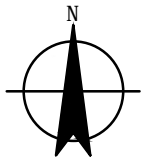
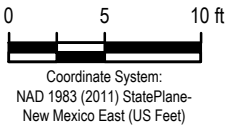
DEPTH OF SAMPLE (FT)
- BTEX

BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)
- TPH

TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)
- INDICATES SIDE WALL COMPOSITE SAMPLE
- INDICATES SIDE WALL COMPOSITE SAMPLE
- INDICATES SIDE WALL COMPOSITE SAMPLE

NOTES:

1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
PERDOMO BMP STATE COM No. 1

CONFIRMATION SAMPLING:  
ANALYTICAL RESULTS MAP

Project No. 11220758  
Date February 2022

FIGURE 3

## Tables



**Table 1**  
**Summary of Soil Analytical Data**  
**Madison Fee COM #1**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/Kg)
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/Kg	---	---	---	50 mg/Kg	---	---	---	100 mg/Kg	600 mg/Kg
<b>Initial Assessment Samples</b>												
TP1-S	3/3/21	S	<0.00200	0.00490	<0.00200	<0.00200	0.00490	<50.0	1,020	<50.0	1,020	60.9
TP1-2	3/3/21	2	-	-	-	-	-	943	3,740	<49.9	4,680	-
TP1-4	3/3/21	4	-	-	-	-	-	358	1,530	<50.0	1,890	-
TP1-6	3/3/21	6	-	-	-	-	-	236	1,060	<50.0	1,300	-
TP1-8	3/3/21	8	-	-	-	-	-	<50.1	<50.1	<50.1	<50.1	-
TP1-10	3/3/21	10	-	-	-	-	-	<49.8	61.6	<49.8	61.6	-
TP1-12	3/3/21	12	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	-
TP1-13	3/3/21	13	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	-
TP2-S	3/3/21	S	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	59.9	118	52.9	231	8.36
TP2-2	3/3/21	2	-	-	-	-	-	<49.9	<49.9	<49.9	<49.9	-
TP2-4	3/3/21	4	-	-	-	-	-	<50.0	16.7	<50.0	16.7	-
TP2-6	3/3/21	6	-	-	-	-	-	<49.9	<49.9	<49.9	<49.9	-
TP4-S	3/3/21	S	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	578	<50.0	578	74.5
TP4-2	3/3/21	2	-	-	-	-	-	2610	5,670	<49.8	8,280	-
TP4-4	3/3/21	4	-	-	-	-	-	419	1,250	<50.1	1,670	-
TP4-6	3/3/21	6	-	-	-	-	-	85.2	306	<50.0	391	-
TP4-8	3/3/21	8	-	-	-	-	-	<50.0	101	<50.0	101	-
TP4-10	3/3/21	10	-	-	-	-	-	<50.0	36.6	<50.0	36.6	-
TP3-S	3/3/21	S	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	198	<49.9	198	32.9
TP3-2	3/3/21	2	-	-	-	-	-	27.2	335	<49.9	362	-
TP3-4	3/3/21	4	-	-	-	-	-	121	562	<49.8	689	-
TP3-6	3/3/21	6	-	-	-	-	-	245	1,250	<50.0	1,500	-
TP3-8	3/3/21	8	-	-	-	-	-	<50.1	<50.1	<50.1	<50.1	-
TP3-10	3/3/21	10	-	-	-	-	-	<49.9	16.3	<49.9	16.3	-
TP3-12	3/3/21	12	-	-	-	-	-	<49.9	<49.9	<49.9	<49.9	-
HA1-S	3/3/21	S	<0.00200	0.00694	0.00245	0.0586	0.0680	406	11,300	<249	11,700	65.5
HA1-2	3/3/21	2	-	-	-	-	-	2,120	6,040	<49.8	8,160	-
HA1-4	3/3/21	4	-	-	-	-	-	839	2,370	<50.1	3,210	-
HA1-6	3/3/21	6	-	-	-	-	-	<49.9	<49.9	<49.9	<49.9	-
HA1-8	3/3/21	8	-	-	-	-	-	<50.1	48.5	<50.1	48.5	-
HA1-10	3/3/21	10	-	-	-	-	-	<50.1	<50.1	<50.1	<50.1	-
<b>Bottom Hole Confirmation Samples</b>												
BH-1	11/15/21	<0.5	<0.00201	0.000520 J	<0.00201	<0.00402	<0.00402	<50.0	116 B	63.5 B	179.5	19.2
BH-1A	11/19/21	0.5-1	0.000401 J	<0.00199	<0.00199	0.00101 J	0.00141 J	<50.0	<50.0	<50.0	<50.0	152
BH-2	11/15/21	<0.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	51.1 B	19.7 J B	70.8	11.5
BH-3	11/15/21	<0.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	38.6 J B	<49.8	38.6 J	8.22
BH-4	11/15/21	6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	34.7 J B	<50.0	34.7 J	28.5

**Table 1**  
**Summary of Soil Analytical Data**  
**Madison Fee COM #1**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/Kg)
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMOC									
			10 mg/Kg	---	---	---	50 mg/Kg	---	---	---	100 mg/Kg	600 mg/Kg
BH-5	11/15/21	6	<b>0.000469 J</b>	<0.00200	<0.00200	<0.00400	<b>0.00104 J</b>	<b>17.8 J</b>	<b>24.3 J B</b>	<50.0	<b>42.1 J</b>	<b>6.3</b>
BH-6	11/15/21	6-7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<b>16.6 J B</b>	<b>16.0 J B</b>	<b>32.6 J</b>	<b>80.1</b>
BH-7	11/15/21	7	<0.00201	<b>0.000693 J</b>	<0.00201	<0.00402	<b>0.00136 J</b>	<b>20.7J</b>	<b>15.8 J B</b>	<49.9	<b>36.5 J</b>	<b>283</b>
BH-8	11/15/21	6-7	<b>0.000432 J</b>	<b>0.000886 J</b>	<0.00200	<0.00401	<b>0.00181 J</b>	<49.9 U	<b>17.0 J B</b>	<49.9	<b>17.0 J</b>	<b>18.9</b>
BH-9	11/15/21	6-7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<b>17.6 J</b>	<b>19.5 J B</b>	<50.0 U	<b>37.1 J</b>	<5.04
BH-10	11/15/21	7	<b>0.000855 J</b>	<0.00199	<0.00199	<0.00398	<b>0.00125 J</b>	<49.8	<49.8	<49.8	<49.8	<b>100</b>
BH-11	11/16/21	7	<0.00200	<0.00200	<0.00200	<b>0.00243 J</b>	<b>0.00243 J</b>	<49.9	<49.9	<49.9	<49.9	<b>106</b>
BH-12	11/16/21	7	<b>0.000388 J</b>	<b>0.000582 J</b>	<b>0.00147 J</b>	<b>0.00256 J</b>	<b>0.00500</b>	<50.0	<50.0	<50.0	<50.0	<b>97.8</b>
BH-13	11/16/21	9	<b>0.000606 J F1</b>	<0.00198	<0.00198	<0.00397	<b>0.00112 J</b>	<50.0	<50.0	<50.0	<50.0	<b>175</b>
BH-14	11/16/21	9	<0.00200	<b>0.000787 J</b>	<0.00200	<0.00400	<b>0.00148 J</b>	<49.8	<b>17.3 J</b>	<49.8	<b>17.3 J</b>	<b>67.4</b>
BH-15	11/16/21	9	<b>0.000985 J</b>	<0.00200	<0.00200	<b>0.00186 J</b>	<b>0.00284 J</b>	<49.9	<b>28.3 J</b>	<49.9	<b>28.3 J</b>	<b>18.7</b>
BH-16	11/16/21	9	<b>0.00165 J</b>	<b>0.000473 J</b>	<0.00199	<0.00398	<b>0.00212 J</b>	<49.9	<49.9	<49.9	<49.9	<b>84.9</b>
BH-17	11/17/21	7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<b>16.9 J</b>	<49.9	<b>16.9 J</b>	<b>89.8</b>
BH-18	11/17/21	7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<b>15.8 J B</b>	<49.8	<b>15.8 J</b>	<b>9.73</b>
<b>Side Wall Confirmation Samples</b>												
SW-1	11/15/21	-	<0.00200	<b>0.000672 J</b>	<0.00200	<0.00399	<b>0.00143 J</b>	<50.0	<b>112 B</b>	<b>62.5 B</b>	<b>174.5</b>	<b>158</b>
SW-1A	11/19/21	-	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	<b>50.9</b>
SW-2	11/15/21	-	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<b>18.1 J</b>	<b>36.6 J B</b>	<49.8	<b>54.7</b>	<b>40.1</b>
SW-3	11/15/21	-	<0.00200	<b>0.000589 J</b>	<0.00200	<0.00399	<0.00399	<b>20.5 J</b>	<b>19.5 J B</b>	<b>17.5 J B</b>	<b>57.5</b>	<b>455</b>
SW-4	11/15/21	-	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<b>23.7 J B</b>	<50.0	<b>23.7 J</b>	<4.98
SW-5	11/16/21	-	<b>0.00116 J</b>	<b>0.000734 J</b>	<0.00200	<b>0.00317 J</b>	<b>0.00506</b>	<49.9	<49.9	<49.9	<49.9	<b>79.6</b>
SW-6	11/16/21	-	<b>0.000526 J</b>	<b>0.00486 J</b>	<0.00199	<0.00398	<b>0.00101 J</b>	<50.0	<50.0	<50.0	<50.0	<b>155</b>
SW-7	11/16/21	-	<0.00201	<b>0.00135 J</b>	<0.00201	<b>0.00236 J</b>	<b>0.00371 J</b>	<50.0	<b>16.5 J</b>	<50.0	<b>16.5 J</b>	<b>92.3</b>
SW-8	11/16/21	-	<b>0.00166 J</b>	<b>0.000893 J</b>	<b>0.00178 J</b>	<b>0.00183 J</b>	<b>0.00616</b>	<49.9	<49.9	<49.9	<49.9	<b>149</b>
SW-9	11/16/21	-	<b>0.00104 J</b>	<0.00200	<0.00200	<0.00401	<b>0.00104 J</b>	<49.8	<49.8	<49.8	<49.8	<b>82.2</b>
SW-10	11/16/21	-	<b>0.000864 J</b>	<b>0.000477 J</b>	<0.00199	<0.00398	<b>0.00211 J</b>	<49.9	<b>18.0 J B</b>	<49.9	<b>18.0 J</b>	<b>110</b>

**Notes:**

1. Values reported in mg/kg = milligrams per kilogram
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMOC 19.15.29.12 Table 1 Closure Criteria
8. J - Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value
9. - Not analyzed

B-BH-2 Sample Point Excavated

# Attachment A C-141 for Remediation Permit 2RP-4640



FEB 28 2018

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

RECEIVED

Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

NAB1806032261

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	EOG Resources, Inc.	15445	Contact	Zane Kurtz
Address	5509 Champions Drive, Midland, TX 79706		Telephone No.	(432) 686-3667
Facility Name	Madison 1 Fee Com #1		Facility Type	well site

Surface Owner	Private	Mineral Owner	Private	API No.	30-015-33705
---------------	---------	---------------	---------	---------	--------------

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	1	22S	27E	1980	North	1310	West	Eddy

Latitude 32.423508 Longitude -104.147116 NAD83

## NATURE OF RELEASE

Type of Release	Oil	Volume of Release	51 bbls	Volume Recovered	0
Source of Release	Water dump on production unit	Date and Hour of Occurrence	unknown	Date and Hour of Discovery	2/27/18 1:40 pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	NMOCD District 2 via email		
By Whom?	Zane Kurtz	Date and Hour	2/28/18 11:00 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

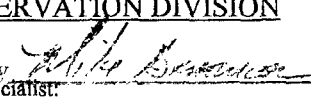
Describe Cause of Problem and Remedial Action Taken.\*

Operator found that the water dump on the production unit wasn't working. Lead shut well in until repairs could be done. Impacted soil in the area of the release will be excavated and soil samples will be collected for laboratory analysis. Vertical and horizontal delineation of the impacted soil will be performed and a work plan for remediation will be prepared for approval by NMOCD.

Describe Area Affected and Cleanup Action Taken.\*

Soils were stained around the tanks.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Zane Kurtz	Signed By:  Approved by Environmental Specialist:		
Title: Sr. Safety Environmental Rep., EOG Resources	Approval Date: 3/1/18	Expiration Date: N/A	
E-mail Address: sane_kurtz@eogresources.com	Conditions of Approval: See attached		Attached: 277-4640
Date: 2/28/2018	Phone: 432-425-2023		

\* Attach Additional Sheets If Necessary

Incident ID	
District RP	2RP-4640
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>Unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

## Oil Conservation Division

Incident ID	
District RP	2RP-4640
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: James F. Kennedy Title: Environmental Specialist  
Signature: James F Kennedy Date: February 21, 2022  
email: James\_Kennedy@eogresources.com Telephone: 432-848-9146

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	2RP-4640
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: James F. Kennedy Title: Environmental Specialist  
Signature: James F Kennedy Date: February 21, 2022  
email: James\_Kennedy@eogresources.com Telephone: 432-848-9146

**OCD Only**

Received by: OCD Date: 10/18/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 9/13/2022  
Printed Name: Ashley Maxwell Title: Environmental Specialist

# Attachment B

## Site Characterization Documentation



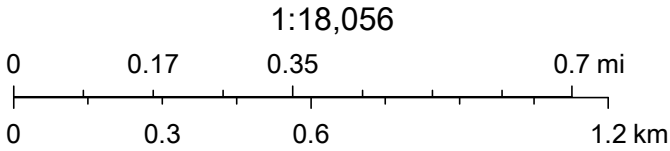
# Madison 1 Fee Com #1



11/24/2020 1:05:30 PM

GIS WATERS PODs  OSE District Boundary  SiteBoundaries

- Active
- Pending
- Conveyances
- Ditch







USDA FSA, GeoEye, Maxar, Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC



# Madison 1 Fee Com #1

Karst Map

## Legend

-  High
-  Low
-  Madison 1 Fee Com #1
-  Medium

 Madison 1 Fee Com #1




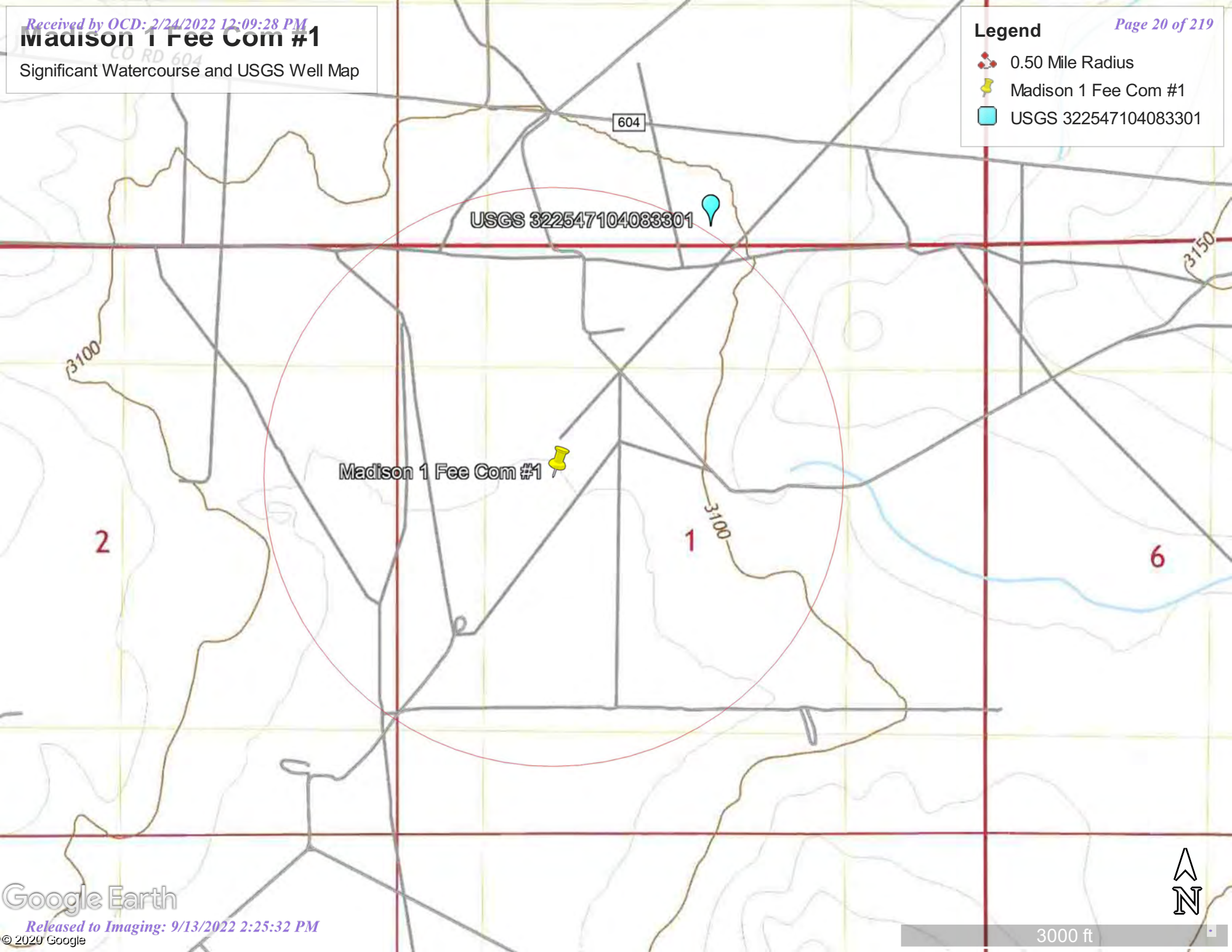
400 ft

# Madison 1 Fee Com #1

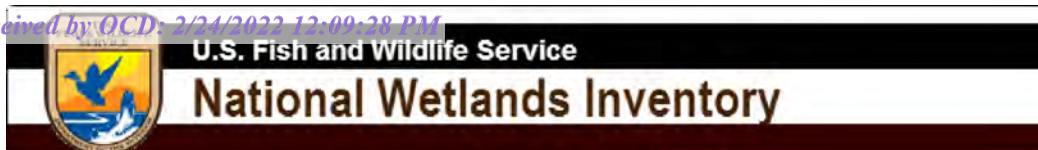
Significant Watercourse and USGS Well Map

## Legend

-  0.50 Mile Radius
-  Madison 1 Fee Com #1
-  USGS 322547104083301







## Madison 1 Fee Com #1



November 24, 2020

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMette



104°9'8"W 32°25'40"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°8'31"W 32°25'9"N

Released to Imaging: 9/13/2022 2:25:32 PM

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/24/2020 at 2:38 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Attachment C Photographic Log





**Site Photograph**  
**EOG Madison 1 Fee COM #1**  
GHD | Report for EOG | 11220758

# Appendix D

## Laboratory Analytical Reports and Chain-of-Custody Documentation





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-246-1

Laboratory Sample Delivery Group: 11220758

Client Project/Site: Madison Fee COM #1/11220758

**For:**

GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

A handwritten signature in black ink, appearing to read "Debbie Simmons".

Authorized for release by:  
3/25/2021 3:47:37 PM

Debbie Simmons, Project Manager  
(281)240-4200  
[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Laboratory Job ID: 890-246-1  
SDG: 11220758

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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Qualifiers

## GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## Subcontract

Qualifier	Qualifier Description
**	Surrogate recovered outside laboratory control limit.
F	RPD exceeded lab control limits.
U	Analyte was not detected.
X	MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



## Case Narrative

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

**Job ID: 890-246-1****Laboratory: Eurofins Xenco, Carlsbad****Narrative**

**Job Narrative**  
**890-246-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 3/3/2021 4:14 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 15.0° C.

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: TP1-S (890-246-1), TP1-2 (890-246-2), TP1-4 (890-246-3), TP1-6 (890-246-4), TP1-8 (890-246-5), TP1-10 (890-246-6), TP1-12 (890-246-7), TP1-13 (890-246-8), TP2-S (890-246-9), TP2-2 (890-246-10), TP2-4 (890-246-11), TP2-6 (890-246-12), TP4-S (890-246-13), TP4-2 (890-246-14), TP4-4 (890-246-15), TP4-6 (890-246-16), TP4-8 (890-246-17), TP4-10 (890-246-18), TP3-S (890-246-19), TP3-2 (890-246-20), TP3-4 (890-246-21), TP3-6 (890-246-22), TP3-8 (890-246-23), TP3-10 (890-246-24), TP3-12 (890-246-25), HA1-S (890-246-26), HA1-2 (890-246-27), HA1-4 (890-246-28), HA1-6 (890-246-29), HA1-8 (890-246-30) and HA1-10 (890-246-31).

**BTEX 8021**

The following samples were received at the laboratory outside the required temperature criteria: TP1-S (890-246-1), TP1-2 (890-246-2), TP1-4 (890-246-3), TP1-6 (890-246-4), TP1-8 (890-246-5), TP1-10 (890-246-6), TP1-12 (890-246-7), TP1-13 (890-246-8), TP2-S (890-246-9), TP2-2 (890-246-10), TP2-4 (890-246-11), TP2-6 (890-246-12), TP4-S (890-246-13), TP4-2 (890-246-14), TP4-4 (890-246-15), TP4-6 (890-246-16), TP4-8 (890-246-17), TP4-10 (890-246-18), TP3-S (890-246-19), TP3-2 (890-246-20), TP3-4 (890-246-21), TP3-6 (890-246-22), TP3-8 (890-246-23), TP3-10 (890-246-24), TP3-12 (890-246-25), HA1-S (890-246-26), HA1-2 (890-246-27), HA1-4 (890-246-28), HA1-6 (890-246-29), HA1-8 (890-246-30) and HA1-10 (890-246-31). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun. The temp was 15.2/15.0

**GC Semi VOA**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**Subcontract non-Sister**

See attached subcontract report.

**Organic Prep**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**Subcontract Work**

Methods 300.0 - Chloride, 8015B - Mod TPH NM, 8021 - BTEX: These methods were subcontracted to Eurofins Midland. The subcontract laboratory certifications are different from that of the facility issuing the final report.

Batch: LBA-3153495 BTEX by 8021

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7723142-1-BLK.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 690437-001

Lab Sample ID 690437-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 690437-001.

Case Narrative

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Job ID: 890-246-1 (Continued)

Laboratory: Eurofins Xenco, Carlsbad (Continued)

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP1-S

## Lab Sample ID: 890-246-1

Date Collected: 03/03/21 08:45

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 300.0 - Chloride - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.9		24.9		mg/kg		03/11/21 09:10	03/11/21 12:04	5

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	1020		50.0		mg/kg		03/10/21 17:00	03/11/21 05:55	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/10/21 17:00	03/11/21 05:55	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/10/21 17:00	03/11/21 05:55	1
Total TPH	1020		50.0		mg/kg		03/10/21 17:00	03/11/21 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 135	03/10/21 17:00	03/11/21 05:55	1
o-Terphenyl	92		70 - 135	03/10/21 17:00	03/11/21 05:55	1

## Method: 8021 - BTEX - Volatiles by 8021

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U X F	0.00200		mg/kg		03/11/21 17:00	03/12/21 12:51	1
Ethylbenzene	<0.00200	U X F	0.00200		mg/kg		03/11/21 17:00	03/12/21 12:51	1
m,p-Xylenes	<0.00400	U X F	0.00400		mg/kg		03/11/21 17:00	03/12/21 12:51	1
o-Xylene	<0.00200	U X F	0.00200		mg/kg		03/11/21 17:00	03/12/21 12:51	1
Toluene	0.00490	X F	0.00200		mg/kg		03/11/21 17:00	03/12/21 12:51	1
Total BTEX	0.00490		0.00200		mg/kg		03/11/21 17:00	03/12/21 12:51	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/11/21 17:00	03/12/21 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	96		70 - 130	03/11/21 17:00	03/12/21 12:51	1
4-Bromofluorobenzene	105		70 - 130	03/11/21 17:00	03/12/21 12:51	1

## Client Sample ID: TP1-2

## Lab Sample ID: 890-246-2

Date Collected: 03/03/21 08:50

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	943		49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 02:41	1
Diesel Range Organics (Over C10-C28)	3740	F1	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 02:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 02:41	1
Total TPH	4680	F1	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	179	S1+	70 - 130	03/17/21 16:14	03/19/21 02:41	1
o-Terphenyl	88		70 - 130	03/17/21 16:14	03/19/21 02:41	1

## Client Sample ID: TP1-4

## Lab Sample ID: 890-246-3

Date Collected: 03/03/21 08:55

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	358		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 03:48	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Client Sample ID: TP1-4

Lab Sample ID: 890-246-3

Date Collected: 03/03/21 08:55

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1530		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 03:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 03:48	1
Total TPH	1890		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				03/17/21 16:14	03/19/21 03:48	1
o-Terphenyl	96		70 - 130				03/17/21 16:14	03/19/21 03:48	1

Client Sample ID: TP1-6

Lab Sample ID: 890-246-4

Date Collected: 03/03/21 09:00

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	236		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:09	1
Diesel Range Organics (Over C10-C28)	1060		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:09	1
Total TPH	1300		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				03/17/21 16:14	03/19/21 04:09	1
o-Terphenyl	104		70 - 130				03/17/21 16:14	03/19/21 04:09	1

Client Sample ID: TP1-8

Lab Sample ID: 890-246-5

Date Collected: 03/03/21 09:05

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:30	1
Total TPH	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/17/21 16:14	03/19/21 04:30	1
o-Terphenyl	100		70 - 130				03/17/21 16:14	03/19/21 04:30	1

Client Sample ID: TP1-10

Lab Sample ID: 890-246-6

Date Collected: 03/03/21 09:10

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 04:51	1
Diesel Range Organics (Over C10-C28)	61.6		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 04:51	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP1-10

Date Collected: 03/03/21 09:10

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-6

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 04:51	1
<b>Total TPH</b>	<b>61.6</b>		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				03/17/21 16:14	03/19/21 04:51	1
o-Terphenyl	101		70 - 130				03/17/21 16:14	03/19/21 04:51	1

## Client Sample ID: TP1-12

Date Collected: 03/03/21 09:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-7

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:12	1
<b>Total TPH</b>	<b>&lt;50.0</b>	<b>U</b>	<b>50.0</b>	<b>15.0</b>	<b>mg/Kg</b>		<b>03/17/21 16:14</b>	<b>03/19/21 05:12</b>	<b>1</b>
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/17/21 16:14	03/19/21 05:12	1
o-Terphenyl	96		70 - 130				03/17/21 16:14	03/19/21 05:12	1

## Client Sample ID: TP1-13

Date Collected: 03/03/21 09:55

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-8

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:34	1
<b>Total TPH</b>	<b>&lt;50.0</b>	<b>U</b>	<b>50.0</b>	<b>15.0</b>	<b>mg/Kg</b>		<b>03/17/21 16:14</b>	<b>03/19/21 05:34</b>	<b>1</b>
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				03/17/21 16:14	03/19/21 05:34	1
o-Terphenyl	105		70 - 130				03/17/21 16:14	03/19/21 05:34	1

## Client Sample ID: TP2-S

Date Collected: 03/03/21 10:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-9

Matrix: Solid

## Method: 300.0 - Chloride - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>8.36</b>		5.04		mg/kg		03/12/21 16:45	03/15/21 11:20	1

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Diesel Range Organics (DRO)</b>	<b>118</b>		50.0		mg/kg		03/13/21 10:00	03/14/21 07:21	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Client Sample ID: TP2-S

Lab Sample ID: 890-246-9

Date Collected: 03/03/21 10:30

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	59.9		50.0		mg/kg		03/13/21 10:00	03/14/21 07:21	1
Motor Oil Range Hydrocarbons (MRO)	52.9		50.0		mg/kg		03/13/21 10:00	03/14/21 07:21	1
Total TPH	231		50.0		mg/kg		03/13/21 10:00	03/14/21 07:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 135	03/13/21 10:00	03/14/21 07:21	1
o-Terphenyl	93		70 - 135	03/13/21 10:00	03/14/21 07:21	1

## Method: 8021 - BTEX - Volatiles by 8021

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 22:47	1
m,p-Xylenes	<0.00401	U	0.00401		mg/kg		03/12/21 17:00	03/12/21 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 22:47	1
Toluene	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 22:47	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 22:47	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	106		70 - 130	03/12/21 17:00	03/12/21 22:47	1
4-Bromofluorobenzene	98		70 - 130	03/12/21 17:00	03/12/21 22:47	1

Client Sample ID: TP2-2

Lab Sample ID: 890-246-10

Date Collected: 03/03/21 10:35

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:55	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	03/17/21 16:14	03/19/21 05:55	1
o-Terphenyl	102		70 - 130	03/17/21 16:14	03/19/21 05:55	1

Client Sample ID: TP2-4

Lab Sample ID: 890-246-11

Date Collected: 03/03/21 10:40

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:16	1
Diesel Range Organics (Over C10-C28)	16.7	J	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:16	1
Total TPH	16.7	J	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:16	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP2-4

Date Collected: 03/03/21 10:40

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-11

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/17/21 16:14	03/19/21 06:16	1
o-Terphenyl	103		70 - 130	03/17/21 16:14	03/19/21 06:16	1

## Client Sample ID: TP2-6

Date Collected: 03/03/21 10:45

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-12

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:37	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 06:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				03/17/21 16:14	03/19/21 06:37	1
o-Terphenyl	102		70 - 130				03/17/21 16:14	03/19/21 06:37	1

## Client Sample ID: TP4-S

Date Collected: 03/03/21 11:00

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-13

Matrix: Solid

## Method: 300.0 - Chloride - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.5		50.0		mg/kg		03/12/21 16:45	03/12/21 21:04	10

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	578		50.0		mg/kg		03/13/21 10:00	03/14/21 07:42	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/13/21 10:00	03/14/21 07:42	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/13/21 10:00	03/14/21 07:42	1
Total TPH	578		50.0		mg/kg		03/13/21 10:00	03/14/21 07:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 135				03/13/21 10:00	03/14/21 07:42	1
o-Terphenyl	91		70 - 135				03/13/21 10:00	03/14/21 07:42	1

## Method: 8021 - BTEX - Volatiles by 8021

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/12/21 17:00	03/12/21 23:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/12/21 17:00	03/12/21 23:07	1
m,p-Xylenes	<0.00404	U	0.00404		mg/kg		03/12/21 17:00	03/12/21 23:07	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/12/21 17:00	03/12/21 23:07	1
Toluene	<0.00202	U	0.00202		mg/kg		03/12/21 17:00	03/12/21 23:07	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/12/21 17:00	03/12/21 23:07	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/12/21 17:00	03/12/21 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	104		70 - 130				03/12/21 17:00	03/12/21 23:07	1
4-Bromofluorobenzene	98		70 - 130				03/12/21 17:00	03/12/21 23:07	1

Eurofins Xenco, Carlsbad



## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Client Sample ID: TP4-2

Lab Sample ID: 890-246-14

Date Collected: 03/03/21 11:05

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2610		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 07:19	1
Diesel Range Organics (Over C10-C28)	5670		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 07:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 07:19	1
Total TPH	8280		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	220	S1+	70 - 130	03/17/21 16:14	03/19/21 07:19	1
o-Terphenyl	81		70 - 130	03/17/21 16:14	03/19/21 07:19	1

Client Sample ID: TP4-4

Lab Sample ID: 890-246-15

Date Collected: 03/03/21 11:10

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	419		50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 07:40	1
Diesel Range Organics (Over C10-C28)	1250		50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 07:40	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 07:40	1
Total TPH	1670		50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	03/17/21 16:14	03/19/21 07:40	1
o-Terphenyl	101		70 - 130	03/17/21 16:14	03/19/21 07:40	1

Client Sample ID: TP4-6

Lab Sample ID: 890-246-16

Date Collected: 03/03/21 11:15

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	85.2		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:01	1
Diesel Range Organics (Over C10-C28)	306		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:01	1
Total TPH	391		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	03/17/21 16:14	03/19/21 08:01	1
o-Terphenyl	103		70 - 130	03/17/21 16:14	03/19/21 08:01	1

Client Sample ID: TP4-8

Lab Sample ID: 890-246-17

Date Collected: 03/03/21 11:30

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:22	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP4-8

Date Collected: 03/03/21 11:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-17

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	101		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:22	1
Total TPH	101		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				03/17/21 16:14	03/19/21 08:22	1
o-Terphenyl	106		70 - 130				03/17/21 16:14	03/19/21 08:22	1

## Client Sample ID: TP4-10

Date Collected: 03/03/21 11:40

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-18

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:43	1
Diesel Range Organics (Over C10-C28)	36.6	J	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:43	1
Total TPH	36.6	J	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 08:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/17/21 16:14	03/19/21 08:43	1
o-Terphenyl	99		70 - 130				03/17/21 16:14	03/19/21 08:43	1

## Client Sample ID: TP3-S

Date Collected: 03/03/21 11:50

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-19

Matrix: Solid

## Method: 300.0 - Chloride - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		25.0		mg/kg		03/12/21 16:45	03/12/21 21:09	5

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	198		49.9		mg/kg		03/13/21 10:00	03/14/21 07:21	1
Gasoline Range Hydrocarbons (GRO)	<49.9	U	49.9		mg/kg		03/13/21 10:00	03/14/21 07:21	1
Motor Oil Range Hydrocarbons (MRO)	<49.9	U	49.9		mg/kg		03/13/21 10:00	03/14/21 07:21	1
Total TPH	198		49.9		mg/kg		03/13/21 10:00	03/14/21 07:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 135				03/13/21 10:00	03/14/21 07:21	1
o-Terphenyl	89		70 - 135				03/13/21 10:00	03/14/21 07:21	1

## Method: 8021 - BTEX - Volatiles by 8021

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/kg		03/12/21 17:00	03/12/21 23:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/kg		03/12/21 17:00	03/12/21 23:28	1
m,p-Xylenes	<0.00402	U	0.00402		mg/kg		03/12/21 17:00	03/12/21 23:28	1
o-Xylene	<0.00201	U	0.00201		mg/kg		03/12/21 17:00	03/12/21 23:28	1
Toluene	<0.00201	U	0.00201		mg/kg		03/12/21 17:00	03/12/21 23:28	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP3-S

## Lab Sample ID: 890-246-19

Date Collected: 03/03/21 11:50

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8021 - BTEX - Volatiles by 8021 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201		mg/kg		03/12/21 17:00	03/12/21 23:28	1
Total Xylenes	<0.00201	U	0.00201		mg/kg		03/12/21 17:00	03/12/21 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	109		70 - 130				03/12/21 17:00	03/12/21 23:28	1
4-Bromofluorobenzene	106		70 - 130				03/12/21 17:00	03/12/21 23:28	1

## Client Sample ID: TP3-2

## Lab Sample ID: 890-246-20

Date Collected: 03/03/21 11:55

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.2	J	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:04	1
Diesel Range Organics (Over C10-C28)	335		49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:04	1
Total TPH	362		49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				03/17/21 16:14	03/19/21 09:04	1
o-Terphenyl	106		70 - 130				03/17/21 16:14	03/19/21 09:04	1

## Client Sample ID: TP3-4

## Lab Sample ID: 890-246-21

Date Collected: 03/03/21 12:00

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	121		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 09:26	1
Diesel Range Organics (Over C10-C28)	562		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 09:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 09:26	1
Total TPH	683		49.8	14.9	mg/Kg		03/17/21 16:14	03/19/21 09:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				03/17/21 16:14	03/19/21 09:26	1
o-Terphenyl	109		70 - 130				03/17/21 16:14	03/19/21 09:26	1

## Client Sample ID: TP3-6

## Lab Sample ID: 890-246-22

Date Collected: 03/03/21 12:10

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	245		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:46	1
Diesel Range Organics (Over C10-C28)	1250		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:46	1
Total TPH	1500		50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 09:46	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP3-6

Date Collected: 03/03/21 12:10

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-22

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	03/17/21 16:14	03/19/21 09:46	1
o-Terphenyl	101		70 - 130	03/17/21 16:14	03/19/21 09:46	1

## Client Sample ID: TP3-8

Date Collected: 03/03/21 12:20

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-23

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:07	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:07	1
Total TPH	<50.1	U	50.1	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				03/17/21 16:14	03/19/21 10:07	1
o-Terphenyl	103		70 - 130				03/17/21 16:14	03/19/21 10:07	1

## Client Sample ID: TP3-10

Date Collected: 03/03/21 12:45

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-24

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:31	1
Diesel Range Organics (Over C10-C28)	16.3	J	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:31	1
Total TPH	16.3	J	49.9	15.0	mg/Kg		03/17/21 16:14	03/19/21 10:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				03/17/21 16:14	03/19/21 10:31	1
o-Terphenyl	104		70 - 130				03/17/21 16:14	03/19/21 10:31	1

## Client Sample ID: TP3-12

Date Collected: 03/03/21 13:00

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-25

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 14:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 14:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 14:14	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/19/21 17:00	03/23/21 14:14	1
o-Terphenyl	106		70 - 130				03/19/21 17:00	03/23/21 14:14	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Client Sample ID: HA1-S

Lab Sample ID: 890-246-26

Date Collected: 03/03/21 13:30

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 300.0 - Chloride - EPA 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.5		50.0		mg/kg		03/12/21 16:45	03/12/21 21:14	10

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	11300		249		mg/kg		03/13/21 10:00	03/14/21 08:26	5
Gasoline Range Hydrocarbons (GRO)	406		249		mg/kg		03/13/21 10:00	03/14/21 08:26	5
Motor Oil Range Hydrocarbons (MRO)	<249	U	249		mg/kg		03/13/21 10:00	03/14/21 08:26	5
Total TPH	11700		249		mg/kg		03/13/21 10:00	03/14/21 08:26	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 135	03/13/21 10:00	03/14/21 08:26	5
o-Terphenyl	84		70 - 135	03/13/21 10:00	03/14/21 08:26	5

## Method: 8021 - BTEX - Volatiles by 8021

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/12/21 17:00	03/12/21 23:49	1
Ethylbenzene	0.00245		0.00200		mg/kg		03/12/21 17:00	03/12/21 23:49	1
m,p-Xylenes	0.0404		0.00399		mg/kg		03/12/21 17:00	03/12/21 23:49	1
o-Xylene	0.0182		0.00200		mg/kg		03/12/21 17:00	03/12/21 23:49	1
Toluene	0.00694		0.00200		mg/kg		03/12/21 17:00	03/12/21 23:49	1
Total BTEX	0.0680		0.00200		mg/kg		03/12/21 17:00	03/12/21 23:49	1
Total Xylenes	0.0586		0.00200		mg/kg		03/12/21 17:00	03/12/21 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	102		70 - 130	03/12/21 17:00	03/12/21 23:49	1
4-Bromofluorobenzene	101		70 - 130	03/12/21 17:00	03/12/21 23:49	1

Client Sample ID: HA1-2

Lab Sample ID: 890-246-27

Date Collected: 03/03/21 13:40

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2120		49.8	14.9	mg/Kg		03/19/21 17:00	03/23/21 14:35	1
Diesel Range Organics (Over C10-C28)	6040		49.8	14.9	mg/Kg		03/19/21 17:00	03/23/21 14:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/19/21 17:00	03/23/21 14:35	1
Total TPH	8160		49.8	14.9	mg/Kg		03/19/21 17:00	03/23/21 14:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/19/21 17:00	03/23/21 14:35	1
o-Terphenyl	97		70 - 130	03/19/21 17:00	03/23/21 14:35	1

Client Sample ID: HA1-4

Lab Sample ID: 890-246-28

Date Collected: 03/03/21 13:45

Matrix: Solid

Date Received: 03/03/21 16:14

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	839		50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:07	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: HA1-4

Date Collected: 03/03/21 13:45

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-28

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	2370		50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:07	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:07	1
Total TPH	3210		50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130				03/19/21 17:00	03/23/21 17:07	1
o-Terphenyl	103		70 - 130				03/19/21 17:00	03/23/21 17:07	1

## Client Sample ID: HA1-6

Date Collected: 03/03/21 13:50

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-29

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:29	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/19/21 17:00	03/23/21 17:29	1
o-Terphenyl	102		70 - 130				03/19/21 17:00	03/23/21 17:29	1

## Client Sample ID: HA1-8

Date Collected: 03/03/21 14:00

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-30

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:50	1
Diesel Range Organics (Over C10-C28)	48.5	J	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:50	1
Total TPH	48.5	J	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/19/21 17:00	03/23/21 17:50	1
o-Terphenyl	109		70 - 130				03/19/21 17:00	03/23/21 17:50	1

## Client Sample ID: HA1-10

Date Collected: 03/03/21 14:15

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-31

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 18:12	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 18:12	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Client Sample ID: HA1-10

Date Collected: 03/03/21 14:15

Date Received: 03/03/21 16:14

Lab Sample ID: 890-246-31

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 18:12	1
Total TPH	<50.1	U	50.1	15.0	mg/Kg		03/19/21 17:00	03/23/21 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/19/21 17:00	03/23/21 18:12	1
o-Terphenyl	113		70 - 130				03/19/21 17:00	03/23/21 18:12	1

## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-246-2	TP1-2	179 S1+	88
890-246-2 MS	TP1-2	197 S1+	85
890-246-2 MSD	TP1-2	175 S1+	85
890-246-3	TP1-4	141 S1+	96
890-246-4	TP1-6	143 S1+	104
890-246-5	TP1-8	115	100
890-246-6	TP1-10	120	101
890-246-7	TP1-12	114	96
890-246-8	TP1-13	126	105
890-246-10	TP2-2	120	102
890-246-11	TP2-4	121	103
890-246-12	TP2-6	120	102
890-246-14	TP4-2	220 S1+	81
890-246-15	TP4-4	148 S1+	101
890-246-16	TP4-6	130	103
890-246-17	TP4-8	126	106
890-246-18	TP4-10	119	99
890-246-20	TP3-2	136 S1+	106
890-246-21	TP3-4	139 S1+	109
890-246-22	TP3-6	141 S1+	101
890-246-23	TP3-8	121	103
890-246-24	TP3-10	124	104
890-246-25	TP3-12	113	106
890-246-27	HA1-2	97	97
890-246-28	HA1-4	162 S1+	103
890-246-29	HA1-6	103	102
890-246-30	HA1-8	106	109
890-246-31	HA1-10	111	113
LCS 880-536/2-A	Lab Control Sample	130	99
LCS 880-704/2-A	Lab Control Sample	116	110
LCSD 880-536/3-A	Lab Control Sample Dup	130	105
LCSD 880-704/3-A	Lab Control Sample Dup	116	105
MB 880-536/1-A	Method Blank	0.6 S1-	0.5 S1-
MB 880-704/1-A	Method Blank	105	112

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO (70-135)	OTPH (70-135)
890-246-1	TP1-S	113	92
890-246-9	TP2-S	91	93
890-246-13	TP4-S	90	91
890-246-19	TP3-S	102	89
890-246-26	HA1-S	108	84

Eurofins Xenco, Carlsbad



# Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Surrogate Legend

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

## Method: 8021 - BTEX - Volatiles by 8021

Matrix: SOIL

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)
690437-001 S	Matrix Spike	95
690437-001 SD	Matrix Spike Duplicate	99
690437-002 S	Matrix Spike	103
690437-002 SD	Matrix Spike Duplicate	103
7723142-1-BKS	Lab Control Sample	87
7723142-1-BLK	Method Blank	60 **
7723142-1-BSD	Lab Control Sample Dup	101
7723262-1-BKS	Lab Control Sample	101
7723262-1-BLK	Method Blank	104
7723262-1-BSD	Lab Control Sample Dup	96

## Surrogate Legend

BFB = 4-Bromofluorobenzene

## Method: 8021 - BTEX - Volatiles by 8021

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DFBZ (70-130)
890-246-1	TP1-S	105	96
890-246-9	TP2-S	98	106
890-246-13	TP4-S	98	104
890-246-19	TP3-S	106	109
890-246-26	HA1-S	101	102

## Surrogate Legend

BFB = 4-Bromofluorobenzene  
DFBZ = 1,4-Difluorobenzene

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-536/1-A

Matrix: Solid

Analysis Batch: 580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 01:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 01:39	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		03/17/21 16:14	03/19/21 01:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.6	S1-	70 - 130	03/17/21 16:14	03/19/21 01:39	1
o-Terphenyl	0.5	S1-	70 - 130	03/17/21 16:14	03/19/21 01:39	1

Lab Sample ID: LCS 880-536/2-A

Matrix: Solid

Analysis Batch: 580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1083		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.1		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-536/3-A

Matrix: Solid

Analysis Batch: 580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1043		mg/Kg		104	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-246-2 MS

Matrix: Solid

Analysis Batch: 580

Client Sample ID: TP1-2

Prep Type: Total/NA

Prep Batch: 536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	943		997	2010		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	3740	F1	997	4824		mg/Kg		108	70 - 130

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-246-2 MS

Matrix: Solid

Analysis Batch: 580

Client Sample ID: TP1-2

Prep Type: Total/NA

Prep Batch: 536

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	197	S1+	70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-246-2 MSD

Matrix: Solid

Analysis Batch: 580

Client Sample ID: TP1-2

Prep Type: Total/NA

Prep Batch: 536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	943		997	1801		mg/Kg		86	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	3740	F1	997	4188	F1	mg/Kg		45	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	175	S1+	70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: MB 880-704/1-A

Matrix: Solid

Analysis Batch: 716

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 704

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/22/21 15:38	03/23/21 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/22/21 15:38	03/23/21 14:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/22/21 15:38	03/23/21 14:58	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		03/22/21 15:38	03/23/21 14:58	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	105		70 - 130	03/22/21 15:38	03/23/21 14:58	1
o-Terphenyl	112		70 - 130	03/22/21 15:38	03/23/21 14:58	1

Lab Sample ID: LCS 880-704/2-A

Matrix: Solid

Analysis Batch: 716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1202		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1097		mg/Kg		110	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	110		70 - 130

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-704/3-A

Matrix: Solid

Analysis Batch: 716

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 704

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1182		mg/Kg		118	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1053		mg/Kg		105	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	105		70 - 130						

## Method: 300.0 - Chloride - EPA 300.0

Lab Sample ID: 7723049-1-BLK

Matrix: SOIL

Analysis Batch: 3153317

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153317\_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U	5		mg/kg		03/11/21 09:10	03/11/21 09:31	1

Lab Sample ID: 7723049-1-BKS

Matrix: SOIL

Analysis Batch: 3153317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153317\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	254		mg/kg		102	80 - 120		

Lab Sample ID: 7723049-1-BSD

Matrix: SOIL

Analysis Batch: 3153317

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153317\_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	254		mg/kg		102	80 - 120	0	20

Lab Sample ID: 7723297-1-BLK

Matrix: SOIL

Analysis Batch: 3153625

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153625\_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5	U	5		mg/kg		03/12/21 16:45	03/12/21 18:44	1

Lab Sample ID: 7723297-1-BKS

Matrix: SOIL

Analysis Batch: 3153625

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153625\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	246		mg/kg		98	80 - 120		

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 300.0 - Chloride - EPA 300.0 (Continued)

Lab Sample ID: 7723297-1-BSD

Matrix: SOIL

Analysis Batch: 3153625

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153625\_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	245		mg/kg		98	80 - 120	0	20

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO

Lab Sample ID: 7723045-1-BLK

Matrix: SOIL

Analysis Batch: 3153290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153290\_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/10/21 17:00	03/10/21 21:38	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/10/21 17:00	03/10/21 21:38	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/10/21 17:00	03/10/21 21:38	1

Lab Sample ID: 7723045-1-BKS

Matrix: SOIL

Analysis Batch: 3153290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153290\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	1000		mg/kg		100	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	1080		mg/kg		108	70 - 135

Lab Sample ID: 7723045-1-BSD

Matrix: SOIL

Analysis Batch: 3153290

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153290\_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1030		mg/kg		103	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	1000	1090		mg/kg		109	70 - 135	1	20

Lab Sample ID: 7723334-1-BLK

Matrix: SOIL

Analysis Batch: 3153694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153694\_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/13/21 10:00	03/13/21 21:59	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/13/21 10:00	03/13/21 21:59	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/13/21 10:00	03/13/21 21:59	1

Lab Sample ID: 7723334-1-BKS

Matrix: SOIL

Analysis Batch: 3153694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153694\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	1020		mg/kg		102	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	1090		mg/kg		109	70 - 135

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8015B - Mod TPH NM - SW846 8015B TPH ORO (Continued)

Lab Sample ID: 7723334-1-BSD

Matrix: SOIL

Analysis Batch: 3153694

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153694\_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	977		mg/kg		98	70 - 135	4	20
Gasoline Range Hydrocarbons (GRO)	1000	1040		mg/kg		104	70 - 135	5	20

Lab Sample ID: 7723336-1-BLK

Matrix: SOIL

Analysis Batch: 3153698

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153698\_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/13/21 10:00	03/13/21 21:59	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/13/21 10:00	03/13/21 21:59	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/13/21 10:00	03/13/21 21:59	1

Lab Sample ID: 7723336-1-BKS

Matrix: SOIL

Analysis Batch: 3153698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153698\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)	1000	1130		mg/kg		113	70 - 135		
Gasoline Range Hydrocarbons (GRO)	1000	1170		mg/kg		117	70 - 135		

Lab Sample ID: 7723336-1-BSD

Matrix: SOIL

Analysis Batch: 3153698

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153698\_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1100		mg/kg		110	70 - 135	3	20
Gasoline Range Hydrocarbons (GRO)	1000	1140		mg/kg		114	70 - 135	3	20

## Method: 8021 - BTEX - Volatiles by 8021

Lab Sample ID: 7723142-1-BLK

Matrix: SOIL

Analysis Batch: 3153495

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153495\_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/11/21 17:00	03/12/21 12:25	1
Ethylbenzene	<.002	U	.002		mg/kg		03/11/21 17:00	03/12/21 12:25	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/11/21 17:00	03/12/21 12:25	1
o-Xylene	<.002	U	.002		mg/kg		03/11/21 17:00	03/12/21 12:25	1
Toluene	<.002	U	.002		mg/kg		03/11/21 17:00	03/12/21 12:25	1
Surrogate	BLANK %Recovery	BLANK Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	60	**	70 - 130				03/11/21 17:00	03/12/21 12:25	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8021 - BTEX - Volatiles by 8021 (Continued)

Lab Sample ID: 7723142-1-BKS

Matrix: SOIL

Analysis Batch: 3153495

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153495\_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.0859		mg/kg		86	70 - 130
Ethylbenzene	.1	0.0830		mg/kg		83	71 - 129
m,p-Xylenes	.2	0.171		mg/kg		86	70 - 135
o-Xylene	.1	0.0848		mg/kg		85	71 - 133
Toluene	.1	0.0856		mg/kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	87		70 - 130

Lab Sample ID: 7723142-1-BSD

Matrix: SOIL

Analysis Batch: 3153495

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153495\_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	.1	0.0822		mg/kg		82	70 - 130	4	35
Ethylbenzene	.1	0.0848		mg/kg		85	71 - 129	2	35
m,p-Xylenes	.2	0.174		mg/kg		87	70 - 135	2	35
o-Xylene	.1	0.0915		mg/kg		92	71 - 133	8	35
Toluene	.1	0.0861		mg/kg		86	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 690437-001 S

Matrix: SOIL

Analysis Batch: 3153495

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3153495\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<.00199		.0998	0.0270	X	mg/kg		27	70 - 130
Ethylbenzene	<.00199		.0998	0.0327	X	mg/kg		33	71 - 129
m,p-Xylenes	<.00398		.2	0.0687	X	mg/kg		34	70 - 135
o-Xylene	<.00199		.0998	0.0384	X	mg/kg		38	71 - 133
Toluene	0.00490		.0998	0.0297	X	mg/kg		25	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	95		70 - 130

Lab Sample ID: 690437-001 SD

Matrix: SOIL

Analysis Batch: 3153495

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3153495\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<.00199		.0996	0.0691	X F	mg/kg		69	70 - 130	88	35
Ethylbenzene	<.00199		.0996	0.0660	X F	mg/kg		66	71 - 129	67	35
m,p-Xylenes	<.00398		.199	0.136	X F	mg/kg		68	70 - 135	66	35
o-Xylene	<.00199		.0996	0.0686	X F	mg/kg		69	71 - 133	56	35
Toluene	0.00490		.0996	0.0690	X F	mg/kg		64	70 - 130	80	35

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8021 - BTEX - Volatiles by 8021 (Continued)

Lab Sample ID: 690437-001 SD

Matrix: SOIL

Analysis Batch: 3153495

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3153495\_P

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	99		70 - 130

Lab Sample ID: 7723262-1-BLK

Matrix: SOIL

Analysis Batch: 3153566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3153566\_P

Analyte	BLANK	BLANK	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<.002	U	.002		mg/kg		03/12/21 17:00	03/12/21 22:25	1
Ethylbenzene	<.002	U	.002		mg/kg		03/12/21 17:00	03/12/21 22:25	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/12/21 17:00	03/12/21 22:25	1
o-Xylene	<.002	U	.002		mg/kg		03/12/21 17:00	03/12/21 22:25	1
Toluene	<.002	U	.002		mg/kg		03/12/21 17:00	03/12/21 22:25	1

	BLANK	BLANK					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	104		70 - 130				03/12/21 17:00	03/12/21 22:25	1

Lab Sample ID: 7723262-1-BKS

Matrix: SOIL

Analysis Batch: 3153566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3153566\_P

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Benzene	.1	0.108		mg/kg		108	70 - 130
Ethylbenzene	.1	0.101		mg/kg		101	71 - 129
m,p-Xylenes	.2	0.206		mg/kg		103	70 - 135
o-Xylene	.1	0.0995		mg/kg		100	71 - 133
Toluene	.1	0.104		mg/kg		104	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	101		70 - 130

Lab Sample ID: 7723262-1-BSD

Matrix: SOIL

Analysis Batch: 3153566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3153566\_P

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD
	Added	Result	Qualifier				Limits	Limit
Benzene	.1	0.104		mg/kg		104	70 - 130	4 35
Ethylbenzene	.1	0.0962		mg/kg		96	71 - 129	5 35
m,p-Xylenes	.2	0.193		mg/kg		97	70 - 135	7 35
o-Xylene	.1	0.0943		mg/kg		94	71 - 133	5 35
Toluene	.1	0.0983		mg/kg		98	70 - 130	6 35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	96		70 - 130

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Method: 8021 - BTEX - Volatiles by 8021 (Continued)

Lab Sample ID: 690437-002 S

Matrix: SOIL

Analysis Batch: 3153566

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 3153566\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<.00199		.1	0.0976		mg/kg		98	70 - 130
Ethylbenzene	<.00199		.1	0.0894		mg/kg		89	71 - 129
m,p-Xylenes	<.00398		.2	0.184		mg/kg		92	70 - 135
o-Xylene	<.00199		.1	0.0887		mg/kg		89	71 - 133
Toluene	<.00199		.1	0.0934		mg/kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	103		70 - 130

Lab Sample ID: 690437-002 SD

Matrix: SOIL

Analysis Batch: 3153566

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 3153566\_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<.00199		.0994	0.0990		mg/kg		100	70 - 130	1	35
Ethylbenzene	<.00199		.0994	0.0914		mg/kg		92	71 - 129	2	35
m,p-Xylenes	<.00398		.199	0.184		mg/kg		92	70 - 135	0	35
o-Xylene	<.00199		.0994	0.0895		mg/kg		90	71 - 133	1	35
Toluene	<.00199		.0994	0.0934		mg/kg		94	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	103		70 - 130

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## GC Semi VOA

## Prep Batch: 536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-2	TP1-2	Total/NA	Solid	8015NM Prep	
890-246-3	TP1-4	Total/NA	Solid	8015NM Prep	
890-246-4	TP1-6	Total/NA	Solid	8015NM Prep	
890-246-5	TP1-8	Total/NA	Solid	8015NM Prep	
890-246-6	TP1-10	Total/NA	Solid	8015NM Prep	
890-246-7	TP1-12	Total/NA	Solid	8015NM Prep	
890-246-8	TP1-13	Total/NA	Solid	8015NM Prep	
890-246-10	TP2-2	Total/NA	Solid	8015NM Prep	
890-246-11	TP2-4	Total/NA	Solid	8015NM Prep	
890-246-12	TP2-6	Total/NA	Solid	8015NM Prep	
890-246-14	TP4-2	Total/NA	Solid	8015NM Prep	
890-246-15	TP4-4	Total/NA	Solid	8015NM Prep	
890-246-16	TP4-6	Total/NA	Solid	8015NM Prep	
890-246-17	TP4-8	Total/NA	Solid	8015NM Prep	
890-246-18	TP4-10	Total/NA	Solid	8015NM Prep	
890-246-20	TP3-2	Total/NA	Solid	8015NM Prep	
890-246-21	TP3-4	Total/NA	Solid	8015NM Prep	
890-246-22	TP3-6	Total/NA	Solid	8015NM Prep	
890-246-23	TP3-8	Total/NA	Solid	8015NM Prep	
890-246-24	TP3-10	Total/NA	Solid	8015NM Prep	
MB 880-536/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-536/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-536/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-246-2 MS	TP1-2	Total/NA	Solid	8015NM Prep	
890-246-2 MSD	TP1-2	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-2	TP1-2	Total/NA	Solid	8015B NM	536
890-246-3	TP1-4	Total/NA	Solid	8015B NM	536
890-246-4	TP1-6	Total/NA	Solid	8015B NM	536
890-246-5	TP1-8	Total/NA	Solid	8015B NM	536
890-246-6	TP1-10	Total/NA	Solid	8015B NM	536
890-246-7	TP1-12	Total/NA	Solid	8015B NM	536
890-246-8	TP1-13	Total/NA	Solid	8015B NM	536
890-246-10	TP2-2	Total/NA	Solid	8015B NM	536
890-246-11	TP2-4	Total/NA	Solid	8015B NM	536
890-246-12	TP2-6	Total/NA	Solid	8015B NM	536
890-246-14	TP4-2	Total/NA	Solid	8015B NM	536
890-246-15	TP4-4	Total/NA	Solid	8015B NM	536
890-246-16	TP4-6	Total/NA	Solid	8015B NM	536
890-246-17	TP4-8	Total/NA	Solid	8015B NM	536
890-246-18	TP4-10	Total/NA	Solid	8015B NM	536
890-246-20	TP3-2	Total/NA	Solid	8015B NM	536
890-246-21	TP3-4	Total/NA	Solid	8015B NM	536
890-246-22	TP3-6	Total/NA	Solid	8015B NM	536
890-246-23	TP3-8	Total/NA	Solid	8015B NM	536
890-246-24	TP3-10	Total/NA	Solid	8015B NM	536
MB 880-536/1-A	Method Blank	Total/NA	Solid	8015B NM	536
LCS 880-536/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	536
LCSD 880-536/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	536

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## GC Semi VOA (Continued)

## Analysis Batch: 580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-2 MS	TP1-2	Total/NA	Solid	8015B NM	536
890-246-2 MSD	TP1-2	Total/NA	Solid	8015B NM	536

## Prep Batch: 704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-25	TP3-12	Total/NA	Solid	8015NM Prep	
890-246-27	HA1-2	Total/NA	Solid	8015NM Prep	
890-246-28	HA1-4	Total/NA	Solid	8015NM Prep	
890-246-29	HA1-6	Total/NA	Solid	8015NM Prep	
890-246-30	HA1-8	Total/NA	Solid	8015NM Prep	
890-246-31	HA1-10	Total/NA	Solid	8015NM Prep	
MB 880-704/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-704/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-25	TP3-12	Total/NA	Solid	8015B NM	704
890-246-27	HA1-2	Total/NA	Solid	8015B NM	704
890-246-28	HA1-4	Total/NA	Solid	8015B NM	704
890-246-29	HA1-6	Total/NA	Solid	8015B NM	704
890-246-30	HA1-8	Total/NA	Solid	8015B NM	704
890-246-31	HA1-10	Total/NA	Solid	8015B NM	704
MB 880-704/1-A	Method Blank	Total/NA	Solid	8015B NM	704
LCS 880-704/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	704
LCSD 880-704/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	704

## Subcontract

## Analysis Batch: 3153290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-1	TP1-S	Total/NA	Solid	8015B - Mod TPH NM	3153290_P
7723045-1-BLK	Method Blank	Total/NA	SOIL	8015B - Mod TPH NM	3153290_P
7723045-1-BKS	Lab Control Sample	Total/NA	SOIL	8015B - Mod TPH NM	3153290_P
7723045-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8015B - Mod TPH NM	3153290_P

## Analysis Batch: 3153317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-1	TP1-S	Total/NA	Solid	300.0 - Chloride	3153317_P
7723049-1-BLK	Method Blank	Total/NA	SOIL	300.0 - Chloride	3153317_P
7723049-1-BKS	Lab Control Sample	Total/NA	SOIL	300.0 - Chloride	3153317_P
7723049-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	300.0 - Chloride	3153317_P

## Analysis Batch: 3153495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-1	TP1-S	Total/NA	Solid	8021 - BTEX	3153495_P
7723142-1-BLK	Method Blank	Total/NA	SOIL	8021 - BTEX	3153495_P
7723142-1-BKS	Lab Control Sample	Total/NA	SOIL	8021 - BTEX	3153495_P

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Subcontract (Continued)

## Analysis Batch: 3153495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
7723142-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8021 - BTEX	3153495_P
690437-001 S	Matrix Spike	Total/NA	SOIL	8021 - BTEX	3153495_P
690437-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	8021 - BTEX	3153495_P

## Analysis Batch: 3153566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-9	TP2-S	Total/NA	Solid	8021 - BTEX	3153566_P
890-246-13	TP4-S	Total/NA	Solid	8021 - BTEX	3153566_P
890-246-19	TP3-S	Total/NA	Solid	8021 - BTEX	3153566_P
890-246-26	HA1-S	Total/NA	Solid	8021 - BTEX	3153566_P
7723262-1-BLK	Method Blank	Total/NA	SOIL	8021 - BTEX	3153566_P
7723262-1-BKS	Lab Control Sample	Total/NA	SOIL	8021 - BTEX	3153566_P
7723262-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8021 - BTEX	3153566_P
690437-002 S	Matrix Spike	Total/NA	SOIL	8021 - BTEX	3153566_P
690437-002 SD	Matrix Spike Duplicate	Total/NA	SOIL	8021 - BTEX	3153566_P

## Analysis Batch: 3153625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-9	TP2-S	Total/NA	Solid	300.0 - Chloride	3153625_P
890-246-13	TP4-S	Total/NA	Solid	300.0 - Chloride	3153625_P
890-246-19	TP3-S	Total/NA	Solid	300.0 - Chloride	3153625_P
890-246-26	HA1-S	Total/NA	Solid	300.0 - Chloride	3153625_P
7723297-1-BLK	Method Blank	Total/NA	SOIL	300.0 - Chloride	3153625_P
7723297-1-BKS	Lab Control Sample	Total/NA	SOIL	300.0 - Chloride	3153625_P
7723297-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	300.0 - Chloride	3153625_P

## Analysis Batch: 3153694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-19	TP3-S	Total/NA	Solid	8015B - Mod TPH NM	3153694_P
890-246-26	HA1-S	Total/NA	Solid	8015B - Mod TPH NM	3153694_P
7723334-1-BLK	Method Blank	Total/NA	SOIL	8015B - Mod TPH NM	3153694_P
7723334-1-BKS	Lab Control Sample	Total/NA	SOIL	8015B - Mod TPH NM	3153694_P
7723334-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8015B - Mod TPH NM	3153694_P

## Analysis Batch: 3153698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-9	TP2-S	Total/NA	Solid	8015B - Mod TPH NM	3153698_P
890-246-13	TP4-S	Total/NA	Solid	8015B - Mod TPH NM	3153698_P
7723336-1-BLK	Method Blank	Total/NA	SOIL	8015B - Mod TPH NM	3153698_P
7723336-1-BKS	Lab Control Sample	Total/NA	SOIL	8015B - Mod TPH NM	3153698_P
7723336-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	8015B - Mod TPH NM	3153698_P

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Subcontract

## Prep Batch: 3153290\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-1	TP1-S	Total/NA	Solid	SW8015P	
7723045-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7723045-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7723045-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

## Prep Batch: 3153317\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-1	TP1-S	Total/NA	Solid	E300P	
7723049-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7723049-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7723049-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

## Prep Batch: 3153495\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-1	TP1-S	Total/NA	Solid	SW5035A	
7723142-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7723142-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7723142-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	
690437-001 S	Matrix Spike	Total/NA	SOIL	SW5035A	
690437-001 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW5035A	

## Prep Batch: 3153566\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-9	TP2-S	Total/NA	Solid	SW5035A	
890-246-13	TP4-S	Total/NA	Solid	SW5035A	
890-246-19	TP3-S	Total/NA	Solid	SW5035A	
890-246-26	HA1-S	Total/NA	Solid	SW5035A	
7723262-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7723262-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7723262-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	
690437-002 S	Matrix Spike	Total/NA	SOIL	SW5035A	
690437-002 SD	Matrix Spike Duplicate	Total/NA	SOIL	SW5035A	

## Prep Batch: 3153625\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-9	TP2-S	Total/NA	Solid	E300P	
890-246-13	TP4-S	Total/NA	Solid	E300P	
890-246-19	TP3-S	Total/NA	Solid	E300P	
890-246-26	HA1-S	Total/NA	Solid	E300P	
7723297-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7723297-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7723297-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Subcontract

## Prep Batch: 3153694\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-19	TP3-S	Total/NA	Solid	SW8015P	
890-246-26	HA1-S	Total/NA	Solid	SW8015P	
7723334-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7723334-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7723334-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

## Prep Batch: 3153698\_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-246-9	TP2-S	Total/NA	Solid	SW8015P	
890-246-13	TP4-S	Total/NA	Solid	SW8015P	
7723336-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7723336-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7723336-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP1-S

## Lab Sample ID: 890-246-1

Date Collected: 03/03/21 08:45

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	E300P		1	3153317_P	03/11/21 09:10		XM
Total/NA	Analysis	300.0 - Chloride		5	3153317	03/11/21 12:04	CHE	XM
Total/NA	Prep	SW8015P		1	3153290_P	03/10/21 17:00		XM
Total/NA	Analysis	8015B - Mod TPH NM		1	3153290	03/11/21 05:55	ARM	XM
Total/NA	Prep	SW5035A		1	3153495_P	03/11/21 17:00		XM
Total/NA	Analysis	8021 - BTEX		1	3153495	03/12/21 12:51	MNR	XM

## Client Sample ID: TP1-2

## Lab Sample ID: 890-246-2

Date Collected: 03/03/21 08:50

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 02:41	AM	XM

## Client Sample ID: TP1-4

## Lab Sample ID: 890-246-3

Date Collected: 03/03/21 08:55

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 03:48	AM	XM

## Client Sample ID: TP1-6

## Lab Sample ID: 890-246-4

Date Collected: 03/03/21 09:00

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 04:09	AM	XM

## Client Sample ID: TP1-8

## Lab Sample ID: 890-246-5

Date Collected: 03/03/21 09:05

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 04:30	AM	XM

## Client Sample ID: TP1-10

## Lab Sample ID: 890-246-6

Date Collected: 03/03/21 09:10

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 04:51	AM	XM

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP1-12

Date Collected: 03/03/21 09:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 05:12	AM	XM

## Client Sample ID: TP1-13

Date Collected: 03/03/21 09:55

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 05:34	AM	XM

## Client Sample ID: TP2-S

Date Collected: 03/03/21 10:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	E300P		1	3153625_P	03/12/21 16:45		XM
Total/NA	Analysis	300.0 - Chloride		1	3153625	03/15/21 11:20	CHE	XM
Total/NA	Prep	SW8015P		1	3153698_P	03/13/21 10:00		XM
Total/NA	Analysis	8015B - Mod TPH NM		1	3153698	03/14/21 07:21	ARM	XM
Total/NA	Prep	SW5035A		1	3153566_P	03/12/21 17:00		XM
Total/NA	Analysis	8021 - BTEX		1	3153566	03/12/21 22:47	CTL	XM

## Client Sample ID: TP2-2

Date Collected: 03/03/21 10:35

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 05:55	AM	XM

## Client Sample ID: TP2-4

Date Collected: 03/03/21 10:40

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 06:16	AM	XM

## Client Sample ID: TP2-6

Date Collected: 03/03/21 10:45

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 06:37	AM	XM

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP4-S

Date Collected: 03/03/21 11:00

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	E300P		1	3153625_P	03/12/21 16:45		XM
Total/NA	Analysis	300.0 - Chloride		10	3153625	03/12/21 21:04	CHE	XM
Total/NA	Prep	SW8015P		1	3153698_P	03/13/21 10:00		XM
Total/NA	Analysis	8015B - Mod TPH NM		1	3153698	03/14/21 07:42	ARM	XM
Total/NA	Prep	SW5035A		1	3153566_P	03/12/21 17:00		XM
Total/NA	Analysis	8021 - BTEX		1	3153566	03/12/21 23:07	KTL	XM

## Client Sample ID: TP4-2

Date Collected: 03/03/21 11:05

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 07:19	AM	XM

## Client Sample ID: TP4-4

Date Collected: 03/03/21 11:10

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 07:40	AM	XM

## Client Sample ID: TP4-6

Date Collected: 03/03/21 11:15

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 08:01	AM	XM

## Client Sample ID: TP4-8

Date Collected: 03/03/21 11:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 08:22	AM	XM

## Client Sample ID: TP4-10

Date Collected: 03/03/21 11:40

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 08:43	AM	XM

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP3-S

Lab Sample ID: 890-246-19

Date Collected: 03/03/21 11:50

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	E300P		1	3153625_P	03/12/21 16:45		XM
Total/NA	Analysis	300.0 - Chloride		5	3153625	03/12/21 21:09	CHE	XM
Total/NA	Prep	SW8015P		1	3153694_P	03/13/21 10:00		XM
Total/NA	Analysis	8015B - Mod TPH NM		1	3153694	03/14/21 07:21	ARM	XM
Total/NA	Prep	SW5035A		1	3153566_P	03/12/21 17:00		XM
Total/NA	Analysis	8021 - BTEX		1	3153566	03/12/21 23:28	KTL	XM

## Client Sample ID: TP3-2

Lab Sample ID: 890-246-20

Date Collected: 03/03/21 11:55

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 09:04	AM	XM

## Client Sample ID: TP3-4

Lab Sample ID: 890-246-21

Date Collected: 03/03/21 12:00

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 09:26	AM	XM

## Client Sample ID: TP3-6

Lab Sample ID: 890-246-22

Date Collected: 03/03/21 12:10

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 09:46	AM	XM

## Client Sample ID: TP3-8

Lab Sample ID: 890-246-23

Date Collected: 03/03/21 12:20

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 10:07	AM	XM

## Client Sample ID: TP3-10

Lab Sample ID: 890-246-24

Date Collected: 03/03/21 12:45

Matrix: Solid

Date Received: 03/03/21 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			536	03/17/21 16:14	DM	XM
Total/NA	Analysis	8015B NM		1	580	03/19/21 10:31	AM	XM

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

## Client Sample ID: TP3-12

Date Collected: 03/03/21 13:00

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			704	03/19/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	716	03/23/21 14:14	AM	XM

## Client Sample ID: HA1-S

Date Collected: 03/03/21 13:30

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	E300P		1	3153625_P	03/12/21 16:45		XM
Total/NA	Analysis	300.0 - Chloride		10	3153625	03/12/21 21:14	CHE	XM
Total/NA	Prep	SW8015P		1	3153694_P	03/13/21 10:00		XM
Total/NA	Analysis	8015B - Mod TPH NM		5	3153694	03/14/21 08:26	ARM	XM
Total/NA	Prep	SW5035A		1	3153566_P	03/12/21 17:00		XM
Total/NA	Analysis	8021 - BTEX		1	3153566	03/12/21 23:49	KTL	XM

## Client Sample ID: HA1-2

Date Collected: 03/03/21 13:40

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			704	03/19/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	716	03/23/21 14:35	AM	XM

## Client Sample ID: HA1-4

Date Collected: 03/03/21 13:45

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			704	03/19/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	716	03/23/21 17:07	AM	XM

## Client Sample ID: HA1-6

Date Collected: 03/03/21 13:50

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			704	03/19/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	716	03/23/21 17:29	AM	XM

## Client Sample ID: HA1-8

Date Collected: 03/03/21 14:00

Date Received: 03/03/21 16:14

## Lab Sample ID: 890-246-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			704	03/19/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	716	03/23/21 17:50	AM	XM

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Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

**Client Sample ID: HA1-10**  
**Date Collected: 03/03/21 14:15**  
**Date Received: 03/03/21 16:14**

**Lab Sample ID: 890-246-31**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			704	03/19/21 17:00	DM	XM
Total/NA	Analysis	8015B NM		1	716	03/23/21 18:12	AM	XM

**Laboratory References:**  
XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH

## Method Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Method	Method Description	Protocol	Laboratory
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	EPA 300.0	EPA	XM
8015B	SW846 8015B TPH ORO	SW846	XM
8021	Volatiles by 8021	SW846	XM
8015NM Prep	Microextraction	SW846	XM

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

## Sample Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1/11220758

Job ID: 890-246-1  
SDG: 11220758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-246-1	TP1-S	Solid	03/03/21 08:45	03/03/21 16:14	
890-246-2	TP1-2	Solid	03/03/21 08:50	03/03/21 16:14	
890-246-3	TP1-4	Solid	03/03/21 08:55	03/03/21 16:14	
890-246-4	TP1-6	Solid	03/03/21 09:00	03/03/21 16:14	
890-246-5	TP1-8	Solid	03/03/21 09:05	03/03/21 16:14	
890-246-6	TP1-10	Solid	03/03/21 09:10	03/03/21 16:14	
890-246-7	TP1-12	Solid	03/03/21 09:30	03/03/21 16:14	
890-246-8	TP1-13	Solid	03/03/21 09:55	03/03/21 16:14	
890-246-9	TP2-S	Solid	03/03/21 10:30	03/03/21 16:14	
890-246-10	TP2-2	Solid	03/03/21 10:35	03/03/21 16:14	
890-246-11	TP2-4	Solid	03/03/21 10:40	03/03/21 16:14	
890-246-12	TP2-6	Solid	03/03/21 10:45	03/03/21 16:14	
890-246-13	TP4-S	Solid	03/03/21 11:00	03/03/21 16:14	
890-246-14	TP4-2	Solid	03/03/21 11:05	03/03/21 16:14	
890-246-15	TP4-4	Solid	03/03/21 11:10	03/03/21 16:14	
890-246-16	TP4-6	Solid	03/03/21 11:15	03/03/21 16:14	
890-246-17	TP4-8	Solid	03/03/21 11:30	03/03/21 16:14	
890-246-18	TP4-10	Solid	03/03/21 11:40	03/03/21 16:14	
890-246-19	TP3-S	Solid	03/03/21 11:50	03/03/21 16:14	
890-246-20	TP3-2	Solid	03/03/21 11:55	03/03/21 16:14	
890-246-21	TP3-4	Solid	03/03/21 12:00	03/03/21 16:14	
890-246-22	TP3-6	Solid	03/03/21 12:10	03/03/21 16:14	
890-246-23	TP3-8	Solid	03/03/21 12:20	03/03/21 16:14	
890-246-24	TP3-10	Solid	03/03/21 12:45	03/03/21 16:14	
890-246-25	TP3-12	Solid	03/03/21 13:00	03/03/21 16:14	
890-246-26	HA1-S	Solid	03/03/21 13:30	03/03/21 16:14	
890-246-27	HA1-2	Solid	03/03/21 13:40	03/03/21 16:14	
890-246-28	HA1-4	Solid	03/03/21 13:45	03/03/21 16:14	
890-246-29	HA1-6	Solid	03/03/21 13:50	03/03/21 16:14	
890-246-30	HA1-8	Solid	03/03/21 14:00	03/03/21 16:14	
890-246-31	HA1-10	Solid	03/03/21 14:15	03/03/21 16:14	

Eurofins Xenco, Carlsbad



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**Stafford, Texas (281-240-4200)**  
**Dallas Texas (214-902-0300)**

**Service Center - San Antonio, Texas (210-509-3334)**

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**Odessa, Texas (432-563-1800)**

**Norcross, Georgia (770-449-8800)**

**Lakeland, Florida (863-646-8526)**

**Tampa, Florida (813-620-2000)**

3/25/2021

## CHAIN OF CUSTODY

Page 1 Of 4

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes			
Company Name / Branch: <b>GHD/Midland</b>				Project Name/Number: Madison fee COM #1 / 11220758											
Company Address: 2135 S . Loop 280 West Midland TX				Project Location:											
Email: becky_haskell@ghd.com glenn_quinney@ghd.com				Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com				Invoice To: <b>Eddy County, New Mexico</b> EOG / James Kennedy							
Project Contact: Becky Haskell / Glenn Quinney				PO Number: NA											
Samplers Name Zach Comino															

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCI	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50	Field Comments
1	TP1-S		3/3/2021	8:45	S	1								X	X	X			
2	TP1-2		3/3/2021	8:50	S	1													
3	TP1-4		3/3/2021	8:55	S	1													
4	TP1-6			9:00															
5	TP1-8			9:05															
6	TP1-10			9:10															
7	TP1-12			9:30															
8	TP1-13			9:55															
9																			
10																			

Turnaround Time (Business days)				Data Deliverable Information			
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 5 Day TAT		<input type="checkbox"/> Level II Sid OC		<input type="checkbox"/> Level IV (Full Data Pkg/raw data)	
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Sid QC+ Forms		<input type="checkbox"/> TRRP Level IV	
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG-411	
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist			

TAT Starts Day received by Lab, if received by 5:00 pm


Report MDLs and J values.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY			
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:
Zach Comino	3/3/21 11:41	Rice	3/3/21 11:41
Relinquished by:	Date Time:	Received By:	Relinquished By:
Relinquished by:	Date Time:	Received By:	Custody Seal #

Preserved where applicable

Price Cooler Temp Thermo Corr Factor  
15.2/15.0 7.1Wm-cof

890-246 Chain of Custody



Only test next sample or what previous sample failed on

No SSOW / Direct Bill to EOG





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3/25/2021

## CHAIN OF CUSTODY

Page

Of 3

Client / Reporting Information			Project Information			Analytical Information			Matrix Codes													
Company Name / Branch: <b>GHD/Midland</b>			Project Name/Number: Madison fee COM # / 11220758																			
Company Address: 2135 S. Loop 250 West Midland TX			Project Location: Eddy County, New Mexico																			
Email: becky.haskell@ghd.com glenn.quinney@ghd.com			Phone No: (432)250-7917 Zach.conino@ghd.com tom.larson@ghd.com			Invoice To: EOG / James Kennedy																
Project Contact: <b>Becky Haskell / Glenn Quinney</b>			PO Number: NA																			
Sampler's Name Zach Conino																						
No. Field ID / Point of Collection			Collection			Number of preserved bottles			Field Comments													
			Sample Depth	Date	Time	Matrix	# of bottles	HCI	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50			
1			TP4-S		3/3/2021	11:00	S	1								X						
2			TP4-2		3/3/2021	11:05	S	1								X						
3			TP4-4		3/3/2021	11:10	S	1														
4			TP4-6			11:15																
5			TP4-8			11:30																
6			TP4-10			11:40																
7																						
8																						
9																						
10																						
Turnaround Time (Business days)																						
Data Deliverable Information																						
<input type="checkbox"/> Same Day TAT			<input checked="" type="checkbox"/> 5 Day TAT			<input type="checkbox"/> Level II Std QC			<input type="checkbox"/> Level IV (Full Data Pkg / raw data)													
<input type="checkbox"/> Next Day EMERGENCY			<input type="checkbox"/> 7 Day TAT			<input type="checkbox"/> Level III Std QC+ Forms			<input type="checkbox"/> TRRP Level IV													
<input type="checkbox"/> 2 Day EMERGENCY			<input type="checkbox"/> Contract TAT			<input type="checkbox"/> Level 3 (CLP Forms)			<input type="checkbox"/> UST / RG -411													
<input type="checkbox"/> 3 Day EMERGENCY						<input type="checkbox"/> TRRP Checklist																
TAT Starts Day received by Lab, if received by 5:00 pm			Report MDLs and J values.																			
Relinquished by Sampler:			SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																			
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
3			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:							
5			Date Time:			Received By:			Relinquished By:													

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Tampa, Florida (813-620-2000)

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Xenco Quote # Xenco Job #

Client / Reporting Information  
Company Name / Branch: GHD/Midland  
Company Address: 2135 S. Loop 250 West Midland TX  
Email: becky.haskell@ghd.com, glenn.quinney@ghd.com  
Phone No: (432)250-7917  
Project Name/Number: Madison Fee COM #1 / 11220758  
Project Location: Eddy County, New Mexico  
Invoice To: EOG / James Kennedy  
Project Contact: Becky Haskell / Glenn Quinney  
Sampler's Name: Zach Comrie  
PO Number: NA

Field ID / Point of Collection  
1 TP3-S  
2 TP3-2  
3 TP3-4  
4 TP3-6  
5 TP3-8  
6 TP3-10  
7 TP3-12  
8  
9  
10

Collection  
Sample Depth  
Date  
Time  
Matrix  
# of bottles  
HCl  
NaOH/Zn Acetate  
HNO3  
H2SO4  
NaOH  
NaHSO4  
MeOH  
NONE

Number of preserved bottles  
TPH By 8015 Mod (GRO, DRO & MRO)  
BTEX 8021 B  
Chloride 600  
Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50)

Matrix Codes  
S = Soil/Sed/Solid  
GW = Ground Water  
DW = Drinking Water  
P = Product  
SW = Surface water  
SL = Sludge  
OW = Ocean/Sea Water  
W = Wipe  
O = Oil  
WW = Waste Water  
A = Air

Turnaround Time (Business days)  
Same Day TAT  
Next Day EMERGENCY  
2 Day EMERGENCY  
3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm  
Report MDLs and J values.

Relinquished by Sample:  
Date Time: 3/3/2021 11:00  
Received By: Zach Comrie  
Relinquished By: Zach Comrie  
Date Time: 3/3/2021 11:00  
Received By: Zach Comrie

Relinquished by:  
Date Time: 3/3/2021 11:00  
Received By: Zach Comrie  
Relinquished By: Zach Comrie  
Date Time: 3/3/2021 11:00  
Received By: Zach Comrie

Preserved Where applicable  
Cooler Temp: 15.2/15.0  
Thermo Corr. Factor: 0.2



## CHAIN OF CUSTODY

Page 4 of 4

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Xenco Quote #

Xenco Job #

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes							
Company Name / Branch: GHD/Midland				Project Name/Number: Madison fee COM #1 / 11220758															
Company Address: 2135 S. Loop 250 West Midland TX				Project Location: Eddy County, New Mexico															
Email: becky.haskell@ghd.com glenn.quinney@ghd.com				Invoice To: EOG / James Kennedy															
Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com																			
Project Contact: Becky Haskell / Glenn Quinney				PO Number: NA															
Sampler's Name: Zach Comino																			
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50)	Field Comments
1	HA1-S		3/3/2021	13:30	S	1									X	X	X		
2	HA1-2		3/3/2021	13:40	S	1									X	X	X		
3	HA1-4		3/3/2021	13:45	S	1									X	X	X		
4	HA1-6																		
5	HA1-8																		
6	HA1-10																		
7																			
8																			
9																			
10																			
Turnaround Time (Business days)				Data Deliverable Information															
<input type="checkbox"/> Same Day TAT				<input checked="" type="checkbox"/> 5 Day TAT				<input type="checkbox"/> Level II Std QC				<input type="checkbox"/> Level IV (Full Data Pkg / raw data)							
<input type="checkbox"/> Next Day EMERGENCY				<input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC+ Forms				<input type="checkbox"/> TRRP Level IV							
<input type="checkbox"/> 2 Day EMERGENCY				<input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms)				<input type="checkbox"/> UST / RG -411							
<input type="checkbox"/> 3 Day EMERGENCY								<input type="checkbox"/> TRRP Checklist											
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.															
Relinquished by Sampler:				Date Time:				Received By:				Date Time:				Relinquished By:			
1. Zell Comino / ghd				3/3/2021 11:01				C. J. Webb				3/3/2021 11:01				C. J. Webb			
Relinquished by:				Date Time:				Received By:				Date Time:				Relinquished By:			
3. Relinquished by:				Date Time:				Received By:				Date Time:				Relinquished By:			
5. Notice Signature:				Date Time:				Received By:				Date Time:				Relinquished By:			
5. document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratory				5. its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously notified				4. Cooler Temp.				Thermo Corr. Factor							

Only test next sample on what previous sample failed on

No SCOW + Direct BHT to EOG





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## CHAIN OF CUSTODY

Page 1 Of 1

3/25/2021

<b>Client / Reporting Information</b>		<b>Project Information</b>		<b>Analytical Information</b>		<b>Matrix Codes</b>	
Company Name / Branch: <b>GHD/Midland</b>		Project Name/Number: Madison fee COM #1 / 11220758					
Company Address: 2135 S. Loop 250 West Midland TX		Project Location: <b>Eddy County, New Mexico</b>					
Email: becky.haskell@ghd.com glenn.quinney@ghd.com		Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com		Invoice To: <b>EOG / James Kennedy</b>			
Project Contact: <b>Becky Haskell / Glenn Quinney</b>		PO Number: NA					
Sampler's Name: Zach Comino							

No.	Field ID / Point of Collection	Collection		Number of preserved bottles										TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50	Field Comments
		Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH					
1	TP1-S		3/3/2021	8:45	S	1									X			
2	TP1-2		3/3/2021	8:50	S	1									X			
3	TP1-4		3/3/2021	8:55	S	1									X			
4	TP1-6			9:00														
5	TP1-8			9:05														
6	TP1-10			9:10														
7	TP1-12			9:30														
8	TP1-13			9:55														
9																		
10																		

Turnaround Time (Business days)		Data Deliverable Information		Report MDLs and J values.		SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY	
<input type="checkbox"/> Same Day TAT	<input checked="" type="checkbox"/> 5 Day TAT	<input type="checkbox"/> Level II Std QC	<input type="checkbox"/> Level IV (Full Data Pkg / raw data)			Date Time:	Received By:
<input type="checkbox"/> Next Day EMERGENCY	<input type="checkbox"/> 7 Day TAT	<input type="checkbox"/> Level III Std QC+ Forms	<input type="checkbox"/> TRRP Level IV			Date Time:	Received By:
<input type="checkbox"/> 2 Day EMERGENCY	<input type="checkbox"/> Contract TAT	<input type="checkbox"/> Level 3 (CLP Forms)	<input type="checkbox"/> UST / RG -411			Date Time:	Received By:
<input type="checkbox"/> 3 Day EMERGENCY		<input type="checkbox"/> TRRP Checklist				Date Time:	Received By:

TAT Starts Day received by Lab, if received by 5:00 pm		Relinquished by:		Custody Seal #		Preserved where applicable	
Relinquished by Sampler:		Date Time:		Relinquished By:		Date Time:	
Relinquished by:		Date Time:		Relinquished By:		Date Time:	

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

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Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

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Date Time: *03/03/2021*

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Date Time: *03/03/2021*

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Date Time: *03/03/2021*

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Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*

Relinquished by: *[Signature]*

Date Time: *03/03/2021*

Received By: *[Signature]*

Date Time: *03/03/2021*







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3/25/2021

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes							
Company Name / Branch: GHD/Midland				Project Name/Number: Madison fee COM #1 / 11220758															
Company Address: 2135 S. Loop 250 West Midland TX				Project Location: Eddy County, New Mexico															
Email: becky.haskell@ghd.com glenn.quinney@ghd.com				Invoice To: EOG / James Kennedy															
Phone No: (432)250-7917 zach.comino@ghd.com tom.larison@ghd.com																			
Project Contact: Becky Haskell / Glenn Quinney				PO Number: NA															
Sampler's Name Zach Comino																			
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50	Field Comments
1	TP4-S		3/3/2021	11:00	S	1								X	X	X			
2	TP4-2		3/3/2021	11:05	S	1													
3	TP4-4		3/3/2021	11:10	S	1													
4	TP4-6			11:15															
5	TP4-8			11:30															
6	TP4-10			11:40															
7																			
8																			
9																			
10																			
Turnaround Time (Business days)		Data Deliverable Information																	
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 5 Day TAT		<input type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level IV (Full Data Pkg / raw data)													
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Std QC+ Forms		<input type="checkbox"/> TRRP Level IV													
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG -411													
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist															
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.															
Relinquished by Sampler:				SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY				Received By:				Relinquished By:				Date Time:			
1 Zach Comino / 3/3/21				Oscar Lopez				3/3/21				3/3/21				15:21:16			
Relinquished by:				Date Time:				Received By:				Relinquished By:				Date Time:			
3 Relinquished by:				Date Time:				Received By:				Relinquished By:				Date Time:			
5				5				4				4				Office			
Cooler Temp.				Thermo, Corr. Factor				15.2/15.0				0.2							

Only test next sample on  
 what previous sample failed on

NO SCOW DIRECT BHT TO EOG



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3/25/2021

# CHAIN OF CUSTODY

Page 4 Of 4

Client / Reporting Information			Project Information			Analytical Information			Matrix Codes														
Company Name / Branch: GHD/Midland			Project Name/Number: Madison fee COM #1 / 11220758																				
Company Address: 2135 S. Loop 250 West Midland TX			Project Location: Eddy County, New Mexico																				
Email: becky.haskell@ghd.com glenn.guiney@ghd.com			Phone No: (432)250-7917 Zach.comingo@ghd.com tom.larson@ghd.com			Invoice To: EOG / James Kennedy																	
Project Contact: Becky Haskell / Glenn Guiney			PO Number: NA																				
Sampler's Name Zach Comingo																							
No. Field ID / Point of Collection			Collection			Number of preserved bottles			Field Comments														
			Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50				
1 TP3-S				3/3/2021	11:50											X	X	X					
2 TP3-2				3/3/2021	11:55																		
3 TP3-4				3/3/2021	12:00																		
4 TP3-6					12:10																		
5 TP3-8					12:20																		
6 TP3-10					12:45																		
7 TP3-12					13:00																		
8																							
9																							
10																							
Turnaround Time (Business days)						Data Deliverable Information																	
<input type="checkbox"/> Same Day TAT			<input checked="" type="checkbox"/> 5 Day TAT			<input type="checkbox"/> Level II Std QC			<input type="checkbox"/> Level IV (Full Data Pkg / raw data)														
<input type="checkbox"/> Next Day EMERGENCY			<input type="checkbox"/> 7 Day TAT			<input type="checkbox"/> Level III Std QC+ Forms			<input type="checkbox"/> TRRP Level IV														
<input type="checkbox"/> 2 Day EMERGENCY			<input type="checkbox"/> Contract TAT			<input type="checkbox"/> Level 3 (CLP Forms)			<input type="checkbox"/> UST / RG -411														
<input type="checkbox"/> 3 Day EMERGENCY						<input type="checkbox"/> TRRP Checklist																	
TAT Starts Day received by Lab, if received by 5:00 pm						Report MDLs and J values.																	
Relinquished by Sampler:			SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:			Received By:			Date Time:					
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Relinquished by:			Date Time:			Received By:			Relinquished By:			Date Time:											





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**Dallas Texas (214-902-0300)**

**Service Center - San Antonio, Texas (210-509-3334)**

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**Lakeland, Florida (863-646-8526)**  
**Tampa, Florida (813-620-2000)**

3/25/2021

## CHAIN OF CUSTODY

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Client / Reporting Information				Project Information				Analytical Information				Matrix Codes							
Company Name / Branch: <b>GHD/Midland</b>				Project Name/Number: Madison fee COM #1 / 11220758															
Company Address: 2135 S. Loop 280 West Midland TX				Project Location: <b>Eddy County, New Mexico</b>															
Email: <b>becky.haskell@ghd.com</b> <b>glenn.quinney@ghd.com</b>				Phone No: (432)256-7917 <b>Zach.comino@ghd.com</b> <b>tom.larson@ghd.com</b>				Invoice To: <b>EOG / James Kennedy</b>											
Project Contact: <b>Becky Haskell / Glenn Quinney</b>				PO Number: NA															
Sampler's Name Zach Comino																			
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50	Field Comments
1	HA1-S		3/3/2021	13:30	S	1									X	X	X		
2	HA1-2		3/3/2021	13:40	S	1									X	X	X		
3	HA1-4		3/3/2021	13:45	S	1									X	X	X		
4	HA1-6			13:50															
5	HA1-8			14:00															
6	HA1-10			14:15															
7																			
8																			
9																			
10																			
Turnaround Time (Business days)				Data Deliverable Information															
<input type="checkbox"/> Same Day TAT				<input checked="" type="checkbox"/> 5 Day TAT				<input type="checkbox"/> Level II Std QC				<input type="checkbox"/> Level IV (Full Data Pkg / raw data)							
<input type="checkbox"/> Next Day EMERGENCY				<input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC+ Forms				<input type="checkbox"/> TRRP Level IV							
<input type="checkbox"/> 2 Day EMERGENCY				<input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms)				<input type="checkbox"/> UST / RG -411							
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist															
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.															
Relinquished by Sampler:				SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY															
Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
3				Date Time:				Received By:				Date Time:				Received By:			
5				Date Time:				Received By:				Date Time:				Received By:			
Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
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Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
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5				Date Time:				Received By:				Date Time:				Received By:			
Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
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5				Date Time:				Received By:				Date Time:				Received By:			
Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
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Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
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Relinquished by:				Date Time:				Received By:				Date Time:				Received By:			
3				Date Time:				Received By:				Date Time:				Received By:			
5				Date Time:				Received By:				Date Time:				Received By:			
Relinquished by:				Date Time:				Received By:				Date Time:							



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CHAIN OF CUSTODY

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**Odessa, Texas (432-563-1800)**

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3/25/2021

[illegible]





## CHAIN OF CUSTODY

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 Stafford, Texas (281-240-4200)  
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Tampa, Florida (813-620-2000)

Service Center - San Antonio, Texas (210-509-3334)

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Xenco Quote #

Xenco Job #

Matrix Codes

## Client / Reporting Information

Company Name / Branch:

GHD/Midland

Company Address: 2135 S. Loop 250 West Midland TX

## Project Information

Project Name/Number:

Madison Tee COM #1 / 11220758

Project Location:

Eddy County, New Mexico

Invoice To: EOG / James Kennedy

Email: becky.haskell@ghd.com

Phone No: (432)250-7917

glenn.guiney@ghd.com

zach.comino@ghd.com

tom.larson@ghd.com

Project Contact: Becky Haskell / Glenn Guiney

PO Number: NA

Sampler's Name Zach Comino

S = Soil/Sed/Solid  
 GW = Ground Water  
 DW = Drinking Water  
 P = Product  
 SW = Surface water  
 SL = Sludge  
 OW = Ocean/Sea Water  
 W = Wipe  
 O = Oil  
 WW = Waste Water  
 A = Air

## Field ID / Point of Collection

## Collection

Sample Depth

Date

Time

Matrix

# of bottles

HCl

NaOH/Zn Acetate

HNO3

H2SO4

NaOH

NaHSO4

MEOH

NONE

TPH By 8015 Mod (GRO, DRO &amp; MRO)

BTEX 8021 B

Chloride 600

Hold unless previous sample is above  
 (Chloride 600mg/kg, TPH 100mg/kg,  
 BTEX Benzene 10mg/kg, BTEX 50)

## Field Comments

Page 52 of 57

## Turnaround Time (Business days)

## Data Deliverable Information

Same Day TAT

5 Day TAT

Level II Std QC

Level IV (Full Data Pkg /raw data)

Next Day EMERGENCY

7 Day TAT

Level III Std QC+ Forms

TRRP Level IV

2 Day EMERGENCY

Contract TAT

Level 3 (CLP Forms)

UST / RG -411

3 Day EMERGENCY

TRRP Checklist

NO SOW / Direct Bill to EOG

TAT Starts Day received by Lab, if received by 5:00 pm

Report MDLs and J values.

Relinquished by Sampler:

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Relinquished by:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Relinquished by:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Date Time:

Relinquished By:

Notice: Signatur s document and relinquishment of samples constitutes a valid purchase order from client company to XENCO Laboratory

its affiliates, subcontractors and assigns XENCO's standard terms and conditions of service unless previously negotiated. a fully executed client contract.



## CHAIN OF CUSTODY

Page 4 of 5

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Norcross, Georgia (770-449-8800)

Lakeland, Florida (888-646-8526)  
 Tampa, Florida (813-620-2000)

Xenco Quote #

Xenco Job #

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes							
Company Name / Branch: GH/Midland				Project Name/Number: Madison fee COM #1 / 11220758															
Company Address: 2135 S. Loop 250 West Midland TX				Project Location: Eddy County, New Mexico															
Email: becky.haskell@ghd.com glenn.quinney@ghd.com				Phone No: (432)250-7917 Zach.comino@ghd.com tom.larson@ghd.com				Invoice To: EOG / James Kennedy											
Project Contact: Becky Haskell / Glenn Quinney				PO Number: NA															
Sampler's Name Zach Comino																			
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50)	Field Comments
1	TP3-S		3/3/2021	11:50											X	X	X		
2	TP3-2		3/3/2021	11:55															
3	TP3-4		3/3/2021	12:00															
4	TP3-6			12:10															
5	TP3-8			12:20															
6	TP3-10			12:45															
7	TP3-12			13:00															
8																			
9																			
10																			
Turnaround Time (Business days)		Data Deliverable Information																	
<input type="checkbox"/> Same Day TAT		<input checked="" type="checkbox"/> 5 Day TAT		<input type="checkbox"/> Level II Std QC		<input type="checkbox"/> Level IV (Full Data Pkg / raw data)													
<input type="checkbox"/> Next Day EMERGENCY		<input type="checkbox"/> 7 Day TAT		<input type="checkbox"/> Level III Std QC + Forms		<input type="checkbox"/> TRRP Level IV													
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level 3 (CLP Forms)		<input type="checkbox"/> UST / RG -411													
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist															
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.															
Relinquished by Sampler: Zach Comino / JPLC				Date Time: 3/3/2021 16:00				Received By: Joe Cupp 33-211611				Date Time: 3/3/2021 16:11				Relinquished By: 4			
Relinquished by: 3				Date Time: 3				Received By: 4				Custody Seal #				Preserved where applicable			
Relinquished by: 5				Date Time: 5				Received By: 5				Cooler Temp. 15.2/15.0				Thermo. Corr. Factor 0.2			

Only test next sample on what previous failed on

No 980W / Direct Bitt to EOG



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# CHAIN OF CUSTODY

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**Odessa, Texas (432-563-1800)**

**Norcross, Georgia (770-449-8800)**

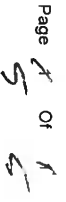
**Lakeland, Florida (863-646-8526)**

**Tampa, Florida (813-620-2000)**

3/25/2021

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes									
Company Name / Branch: <b>GHD/Midland</b> Company Address: 2135 S. Loop 250 West Midland TX Email: <a href="mailto:becky.haskell@ghd.com">becky.haskell@ghd.com</a> Phone No: (432)250-7917 Project Contact: <b>Becky Haskell / Glenn Quinney</b>				Project Name/Number: <b>Madison fee COM #1 / 11220758</b> Project Location: <b>Eddy County, New Mexico</b> Invoice To: <b>EOG / James Kennedy</b>				PO Number: NA				S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air									
Field ID / Point of Collection No.				Collection Sample Depth		Date		Time		Matrix		# of bottles		HCl		Number of preserved bottles NaOH/Zn Acetate HNO3 H2SO4 NaOH NaHSO4 MEQH NONE		TPH By 8015 Mod (GRO, DRO & MRO) BTEX 8021 B Chloride 600 Hold unless previous sample is above (Chloride 600mg/kg, TPH 100mg/kg, BTEX Benzene 10mg/kg, BTEX 50		Field Comments	
1 TP4-S				1		3/3/2021		11:00		S		1									
2 TP4-2				2		3/3/2021		11:05		S		1									
3 TP4-4				3		3/3/2021		11:10		S		1									
4 TP4-6				4				11:15		S		1									
5 TP4-8				5				11:30		S		1									
6 TP4-10				6				11:40		S		1									
7				7																	
8				8																	
9				9																	
10				10																	
Turnaround Time (Business days)																					
Same Day TAT <input checked="" type="checkbox"/> 5 Day TAT Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT 2 Day EMERGENCY <input type="checkbox"/> Contract TAT 3 Day EMERGENCY <input type="checkbox"/> TRRP Checklist				Level II Std QC <input type="checkbox"/> Level IV (Full Data Pkg / raw data) Level III Std QC+ Forms <input type="checkbox"/> TRRP Level IV Level 3 (CLP Forms) <input type="checkbox"/> UST / RG -411		Report MDLs and J values.		Relinquished by: <b>Joe Duff</b> Date Time: <b>3.3.21 1611</b>		Relinquished By: <b>Joe Duff</b> Date Time: <b>3.3.21 1611</b>		Relinquished By: <b>Joe Duff</b> Date Time: <b>3.3.21 1611</b>		Relinquished By: <b>Joe Duff</b> Date Time: <b>3.3.21 1611</b>							
TAT Starts Day received by Lab, if received by 5:00 pm																					
Relinquished by Sampler: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b>				Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>									
Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b>				Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>									
Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b>				Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>									
Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b> Relinquished by: <b>Joe Duff</b>				Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b> Date Time: <b>3.3.21 1611</b>		Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b> Received By: <b>Joe Duff</b>		Date Time: <b>3.3.21</b>									





3/25/2021

**Lakeland, Florida (863-646-8526)**  
**Tampa, Florida (813-620-2000)**

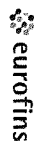
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Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad NM 88220  
Phone 575-988-3199 Fax: 575-988-3199

## Chain of Custody Record



## Environment Testing America

[illegible]

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-246-1

SDG Number: 11220758

Login Number: 246

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-1575-1  
Laboratory Sample Delivery Group: 11220758  
Client Project/Site: Madison Fee COM #1

For:  
GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

A handwritten signature in dark ink that reads "Chad A. Bechtold".

Authorized for release by:  
11/18/2021 10:19:39 AM  
Chad Bechtold, Project Manager  
(813)690-3563  
[chad.bechtold@eurofinset.com](mailto:chad.bechtold@eurofinset.com)

Designee for  
Debbie Simmons, Project Manager  
(832)986-6768  
[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)

#### LINKS

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results through  
**TotalAccess**

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Laboratory Job ID: 890-1575-1  
SDG: 11220758

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Table of Contents . . . . .	2
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QC Sample Results . . . . .	17
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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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## Case Narrative

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

**Job ID: 890-1575-1**

**Laboratory: Eurofins Xenco, Carlsbad**

### Narrative

#### Job Narrative 890-1575-1

#### Receipt

The samples were received on 11/15/2021 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 25.2°C

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

Method 8015MOD\_NM: The method blank for preparation batch 880-12468 and analytical batch 880-12466 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BH-1 (890-1575-1), SW-1 (890-1575-4), BH-5 (890-1575-7), BH-6 (890-1575-9), BH-7 (890-1575-10), SW-4 (890-1575-13) and (MB 880-12468/1-A). Evidence of matrix interference is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-1

Lab Sample ID: 890-1575-1

Date Collected: 11/15/21 13:00

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		11/16/21 09:53	11/17/21 01:34	1
<b>Toluene</b>	<b>0.000520</b>	<b>J</b>	0.00201	0.000459	mg/Kg		11/16/21 09:53	11/17/21 01:34	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		11/16/21 09:53	11/17/21 01:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		11/16/21 09:53	11/17/21 01:34	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		11/16/21 09:53	11/17/21 01:34	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		11/16/21 09:53	11/17/21 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	11/16/21 09:53	11/17/21 01:34	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/16/21 09:53	11/17/21 01:34	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>180</b>		50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 16:29	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>116</b>	<b>B</b>	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 16:29	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>63.5</b>	<b>B</b>	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	11/16/21 14:18	11/16/21 16:29	1
o-Terphenyl	146	S1+	70 - 130	11/16/21 14:18	11/16/21 16:29	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>19.2</b>		4.99	0.857	mg/Kg			11/16/21 19:08	1

Client Sample ID: BH-2

Lab Sample ID: 890-1575-2

Date Collected: 11/15/21 13:05

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		11/16/21 09:53	11/17/21 01:55	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		11/16/21 09:53	11/17/21 01:55	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/16/21 09:53	11/17/21 01:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/16/21 09:53	11/17/21 01:55	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		11/16/21 09:53	11/17/21 01:55	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		11/16/21 09:53	11/17/21 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	11/16/21 09:53	11/17/21 01:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/16/21 09:53	11/17/21 01:55	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-2

Lab Sample ID: 890-1575-2

Date Collected: 11/15/21 13:05

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg	-		11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.8		49.9	15.0	mg/Kg	-		11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 17:35	1
Diesel Range Organics (Over C10-C28)	51.1	B	49.9	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 17:35	1
Oil Range Organics (Over C28-C36)	19.7	J B	49.9	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/16/21 14:18	11/16/21 17:35	1
o-Terphenyl	129		70 - 130				11/16/21 14:18	11/16/21 17:35	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.5		4.95	0.850	mg/Kg	-		11/16/21 19:23	1

Client Sample ID: BH-3

Lab Sample ID: 890-1575-3

Date Collected: 11/15/21 13:10

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	11/16/21 09:53	11/17/21 02:15	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg	-	11/16/21 09:53	11/17/21 02:15	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	11/16/21 09:53	11/17/21 02:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	11/16/21 09:53	11/17/21 02:15	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg	-	11/16/21 09:53	11/17/21 02:15	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	11/16/21 09:53	11/17/21 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				11/16/21 09:53	11/17/21 02:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130				11/16/21 09:53	11/17/21 02:15	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg	-		11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.6	J	49.8	14.9	mg/Kg	-		11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg	-	11/16/21 14:18	11/16/21 17:57	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Client Sample ID: BH-3

Date Collected: 11/15/21 13:10

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-3

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	38.6	J B	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 17:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/16/21 14:18	11/16/21 17:57	1
o-Terphenyl	127		70 - 130				11/16/21 14:18	11/16/21 17:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.22		5.01	0.860	mg/Kg			11/16/21 19:27	1

## Client Sample ID: SW-1

Date Collected: 11/15/21 13:15

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-4

Matrix: Solid

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		11/16/21 09:53	11/17/21 02:36	1
Toluene	0.000672	J	0.00200	0.000455	mg/Kg		11/16/21 09:53	11/17/21 02:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		11/16/21 09:53	11/17/21 02:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		11/16/21 09:53	11/17/21 02:36	1
o-Xylene	0.000761	J	0.00200	0.000343	mg/Kg		11/16/21 09:53	11/17/21 02:36	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		11/16/21 09:53	11/17/21 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				11/16/21 09:53	11/17/21 02:36	1
1,4-Difluorobenzene (Surr)	88		70 - 130				11/16/21 09:53	11/17/21 02:36	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00143	J	0.00399	0.00101	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	175		50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 18:19	1
Diesel Range Organics (Over C10-C28)	112	B	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 18:19	1
Oil Range Organics (Over C28-C36)	62.5	B	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				11/16/21 14:18	11/16/21 18:19	1
o-Terphenyl	142	S1+	70 - 130				11/16/21 14:18	11/16/21 18:19	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.98	0.855	mg/Kg			11/16/21 19:32	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: SW-2

Lab Sample ID: 890-1575-5

Date Collected: 11/15/21 13:30

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		11/16/21 09:53	11/17/21 02:56	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		11/16/21 09:53	11/17/21 02:56	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		11/16/21 09:53	11/17/21 02:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		11/16/21 09:53	11/17/21 02:56	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		11/16/21 09:53	11/17/21 02:56	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		11/16/21 09:53	11/17/21 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	11/16/21 09:53	11/17/21 02:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/16/21 09:53	11/17/21 02:56	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.7		49.8	14.9	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.1	J	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 18:41	1
Diesel Range Organics (Over C10-C28)	36.6	J B	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 18:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	11/16/21 14:18	11/16/21 18:41	1
o-Terphenyl	126		70 - 130	11/16/21 14:18	11/16/21 18:41	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.1		4.95	0.850	mg/Kg			11/16/21 19:37	1

Client Sample ID: BH-4

Lab Sample ID: 890-1575-6

Date Collected: 11/15/21 13:45

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		11/16/21 09:53	11/17/21 03:16	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		11/16/21 09:53	11/17/21 03:16	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		11/16/21 09:53	11/17/21 03:16	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		11/16/21 09:53	11/17/21 03:16	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		11/16/21 09:53	11/17/21 03:16	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		11/16/21 09:53	11/17/21 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	11/16/21 09:53	11/17/21 03:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/16/21 09:53	11/17/21 03:16	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-4

Lab Sample ID: 890-1575-6

Date Collected: 11/15/21 13:45

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	34.7	J	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 19:03	1
Diesel Range Organics (Over C10-C28)	34.7	J B	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/16/21 14:18	11/16/21 19:03	1
o-Terphenyl	125		70 - 130				11/16/21 14:18	11/16/21 19:03	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.5		4.97	0.853	mg/Kg			11/16/21 19:52	1

Client Sample ID: BH-5

Lab Sample ID: 890-1575-7

Date Collected: 11/15/21 13:50

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000469	J	0.00200	0.000385	mg/Kg		11/16/21 09:53	11/17/21 03:37	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/16/21 09:53	11/17/21 03:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/16/21 09:53	11/17/21 03:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/16/21 09:53	11/17/21 03:37	1
o-Xylene	0.000571	J	0.00200	0.000344	mg/Kg		11/16/21 09:53	11/17/21 03:37	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/16/21 09:53	11/17/21 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				11/16/21 09:53	11/17/21 03:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/16/21 09:53	11/17/21 03:37	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00104	J	0.00400	0.00101	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.1	J	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.8	J	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 19:25	1
Diesel Range Organics (Over C10-C28)	24.3	J B	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 19:25	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-5

Lab Sample ID: 890-1575-7

Date Collected: 11/15/21 13:50

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				11/16/21 14:18	11/16/21 19:25	1
o-Terphenyl	131	S1+	70 - 130				11/16/21 14:18	11/16/21 19:25	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.31		4.99	0.857	mg/Kg	-		11/16/21 19:57	1

Client Sample ID: SW-3

Lab Sample ID: 890-1575-8

Date Collected: 11/15/21 14:00

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg	-	11/16/21 09:53	11/17/21 03:57	1
Toluene	0.000589	J	0.00200	0.000455	mg/Kg	-	11/16/21 09:53	11/17/21 03:57	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	11/16/21 09:53	11/17/21 03:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	11/16/21 09:53	11/17/21 03:57	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	11/16/21 09:53	11/17/21 03:57	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	11/16/21 09:53	11/17/21 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				11/16/21 09:53	11/17/21 03:57	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				11/16/21 09:53	11/17/21 03:57	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg	-		11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.5		49.9	15.0	mg/Kg	-		11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.5	J	49.9	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 19:47	1
Diesel Range Organics (Over C10-C28)	19.5	J B	49.9	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 19:47	1
Oil Range Organics (Over C28-C36)	17.5	J B	49.9	15.0	mg/Kg	-	11/16/21 14:18	11/16/21 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/16/21 14:18	11/16/21 19:47	1
o-Terphenyl	128		70 - 130				11/16/21 14:18	11/16/21 19:47	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	455		4.99	0.857	mg/Kg	-		11/16/21 20:02	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-6

Lab Sample ID: 890-1575-9

Date Collected: 11/15/21 14:05

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		11/16/21 09:53	11/17/21 04:18	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		11/16/21 09:53	11/17/21 04:18	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/16/21 09:53	11/17/21 04:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/16/21 09:53	11/17/21 04:18	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		11/16/21 09:53	11/17/21 04:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		11/16/21 09:53	11/17/21 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	11/16/21 09:53	11/17/21 04:18	1
1,4-Difluorobenzene (Surr)	83		70 - 130	11/16/21 09:53	11/17/21 04:18	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.6	J	49.8	14.9	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 20:09	1
Diesel Range Organics (Over C10-C28)	16.6	J B	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 20:09	1
Oil Range Organics (Over C28-C36)	16.0	J B	49.8	14.9	mg/Kg		11/16/21 14:18	11/16/21 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	11/16/21 14:18	11/16/21 20:09	1
o-Terphenyl	145	S1+	70 - 130	11/16/21 14:18	11/16/21 20:09	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.1		4.98	0.855	mg/Kg			11/16/21 20:07	1

Client Sample ID: BH-7

Lab Sample ID: 890-1575-10

Date Collected: 11/15/21 14:15

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		11/16/21 09:53	11/17/21 04:38	1
Toluene	0.000693	J	0.00201	0.000458	mg/Kg		11/16/21 09:53	11/17/21 04:38	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		11/16/21 09:53	11/17/21 04:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		11/16/21 09:53	11/17/21 04:38	1
o-Xylene	0.000670	J	0.00201	0.000345	mg/Kg		11/16/21 09:53	11/17/21 04:38	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		11/16/21 09:53	11/17/21 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	11/16/21 09:53	11/17/21 04:38	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/16/21 09:53	11/17/21 04:38	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-7

Lab Sample ID: 890-1575-10

Date Collected: 11/15/21 14:15

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00136	J	0.00402	0.00101	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.5	J	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.7	J	49.9	15.0	mg/Kg		11/16/21 14:18	11/16/21 20:31	1
Diesel Range Organics (Over C10-C28)	15.8	J B	49.9	15.0	mg/Kg		11/16/21 14:18	11/16/21 20:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/16/21 14:18	11/16/21 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/16/21 14:18	11/16/21 20:31	1
o-Terphenyl	131	S1+	70 - 130				11/16/21 14:18	11/16/21 20:31	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	283		5.00	0.858	mg/Kg			11/16/21 20:12	1

Client Sample ID: BH-8

Lab Sample ID: 890-1575-11

Date Collected: 11/15/21 14:35

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000432	J	0.00200	0.000386	mg/Kg		11/16/21 09:53	11/17/21 06:00	1
Toluene	0.000886	J	0.00200	0.000457	mg/Kg		11/16/21 09:53	11/17/21 06:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		11/16/21 09:53	11/17/21 06:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		11/16/21 09:53	11/17/21 06:00	1
o-Xylene	0.000489	J	0.00200	0.000345	mg/Kg		11/16/21 09:53	11/17/21 06:00	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		11/16/21 09:53	11/17/21 06:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				11/16/21 09:53	11/17/21 06:00	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/16/21 09:53	11/17/21 06:00	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00181	J	0.00401	0.00101	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.0	J	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:15	1
Diesel Range Organics (Over C10-C28)	17.0	J B	49.9	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:15	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Client Sample ID: BH-8

Date Collected: 11/15/21 14:35

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-11

Matrix: Solid

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/16/21 14:18	11/16/21 21:15	1
o-Terphenyl	128		70 - 130				11/16/21 14:18	11/16/21 21:15	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.9		4.95	0.850	mg/Kg			11/16/21 20:17	1

## Client Sample ID: BH-9

Date Collected: 11/15/21 14:45

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-12

Matrix: Solid

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		11/16/21 09:53	11/17/21 06:20	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		11/16/21 09:53	11/17/21 06:20	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		11/16/21 09:53	11/17/21 06:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		11/16/21 09:53	11/17/21 06:20	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		11/16/21 09:53	11/17/21 06:20	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		11/16/21 09:53	11/17/21 06:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				11/16/21 09:53	11/17/21 06:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130				11/16/21 09:53	11/17/21 06:20	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	37.1	J	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.6	J	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:36	1
Diesel Range Organics (Over C10-C28)	19.5	J B	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/16/21 14:18	11/16/21 21:36	1
o-Terphenyl	121		70 - 130				11/16/21 14:18	11/16/21 21:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04	0.865	mg/Kg			11/16/21 20:31	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: SW-4

Lab Sample ID: 890-1575-13

Date Collected: 11/15/21 15:00

Matrix: Solid

Date Received: 11/15/21 16:00

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		11/16/21 09:53	11/17/21 06:41	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		11/16/21 09:53	11/17/21 06:41	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		11/16/21 09:53	11/17/21 06:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		11/16/21 09:53	11/17/21 06:41	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		11/16/21 09:53	11/17/21 06:41	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		11/16/21 09:53	11/17/21 06:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	11/16/21 09:53	11/17/21 06:41	1
1,4-Difluorobenzene (Surr)	94		70 - 130	11/16/21 09:53	11/17/21 06:41	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			11/17/21 16:31	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.7	J	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:58	1
Diesel Range Organics (Over C10-C28)	23.7	J B	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	11/16/21 14:18	11/16/21 21:58	1
o-Terphenyl	144	S1+	70 - 130	11/16/21 14:18	11/16/21 21:58	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98	0.855	mg/Kg			11/16/21 20:36	1

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# Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1575-1	BH-1	129	77
890-1575-1 MS	BH-1	126	105
890-1575-1 MSD	BH-1	117	102
890-1575-2	BH-2	131 S1+	96
890-1575-3	BH-3	128	111
890-1575-4	SW-1	128	88
890-1575-5	SW-2	143 S1+	99
890-1575-6	BH-4	132 S1+	101
890-1575-7	BH-5	145 S1+	96
890-1575-8	SW-3	133 S1+	67 S1-
890-1575-9	BH-6	131 S1+	83
890-1575-10	BH-7	134 S1+	92
890-1575-11	BH-8	137 S1+	71
890-1575-12	BH-9	139 S1+	98
890-1575-13	SW-4	131 S1+	94
LCS 880-12430/1-A	Lab Control Sample	115	105
LCSD 880-12430/2-A	Lab Control Sample Dup	119	108
MB 880-12349/5-A	Method Blank	125	97
MB 880-12430/5-A	Method Blank	121	97

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1575-1	BH-1	130	146 S1+
890-1575-1 MS	BH-1	111	117
890-1575-1 MSD	BH-1	111	115
890-1575-2	BH-2	110	129
890-1575-3	BH-3	109	127
890-1575-4	SW-1	127	142 S1+
890-1575-5	SW-2	108	126
890-1575-6	BH-4	108	125
890-1575-7	BH-5	111	131 S1+
890-1575-8	SW-3	109	128
890-1575-9	BH-6	127	145 S1+
890-1575-10	BH-7	114	131 S1+
890-1575-11	BH-8	110	128
890-1575-12	BH-9	110	121
890-1575-13	SW-4	126	144 S1+
LCS 880-12468/2-A	Lab Control Sample	93	105
LCSD 880-12468/3-A	Lab Control Sample Dup	94	108
MB 880-12468/1-A	Method Blank	115	136 S1+

### Surrogate Legend

1CO = 1-Chlorooctane

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## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1  
OTPH = o-Terphenyl

Job ID: 890-1575-1  
SDG: 11220758

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Eurofins Xenco, Carlsbad

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12349/5-A

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/15/21 15:49	11/16/21 11:49	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/15/21 15:49	11/16/21 11:49	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/15/21 15:49	11/16/21 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/15/21 15:49	11/16/21 11:49	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/15/21 15:49	11/16/21 11:49	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/15/21 15:49	11/16/21 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/15/21 15:49	11/16/21 11:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/15/21 15:49	11/16/21 11:49	1

Lab Sample ID: 890-1575-1 MS

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: BH-1

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-12430/5-A

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/16/21 09:53	11/17/21 01:13	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/16/21 09:53	11/17/21 01:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/16/21 09:53	11/17/21 01:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/16/21 09:53	11/17/21 01:13	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/16/21 09:53	11/17/21 01:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/16/21 09:53	11/17/21 01:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	11/16/21 09:53	11/17/21 01:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/16/21 09:53	11/17/21 01:13	1

Lab Sample ID: LCS 880-12430/1-A

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08893		mg/Kg		89	70 - 130
Toluene	0.100	0.08065		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08346		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1777		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08746		mg/Kg		87	70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-12430/1-A

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12430

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-12430/2-A

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12430

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09925		mg/Kg		99	70 - 130	11	35
Toluene	0.100	0.08893		mg/Kg		89	70 - 130	10	35
Ethylbenzene	0.100	0.09243		mg/Kg		92	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1960		mg/Kg		98	70 - 130	10	35
o-Xylene	0.100	0.09798		mg/Kg		98	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-1575-1 MSD

Matrix: Solid

Analysis Batch: 12415

Client Sample ID: BH-1

Prep Type: Total/NA

Prep Batch: 12430

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.07376		mg/Kg					
Toluene	0.000520	J	0.100	0.06262		mg/Kg					
Ethylbenzene	<0.00201	U	0.100	0.06447		mg/Kg					
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1339		mg/Kg					
o-Xylene	<0.00201	U	0.100	0.06763		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-12468/1-A

Matrix: Solid

Analysis Batch: 12466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 15:23	1
Diesel Range Organics (Over C10-C28)	16.37	J	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 15:23	1
Oil Range Organics (Over C28-C36)	22.24	J	50.0	15.0	mg/Kg		11/16/21 14:18	11/16/21 15:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	11/16/21 14:18	11/16/21 15:23	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-12468/1-A

Matrix: Solid

Analysis Batch: 12466

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12468

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	136	S1+	70 - 130	11/16/21 14:18	11/16/21 15:23	1

Lab Sample ID: LCS 880-12468/2-A

Matrix: Solid

Analysis Batch: 12466

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12468

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	994.0		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	889.3		mg/Kg		89	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	105		70 - 130								

Lab Sample ID: LCSD 880-12468/3-A

Matrix: Solid

Analysis Batch: 12466

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12468

Report Section 12.100											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1069		mg/Kg		107	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	906.7		mg/Kg		91	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	108		70 - 130								

Lab Sample ID: 890-1575-1 MS

Matrix: Solid

Analysis Batch: 12466

Client Sample ID: BH-1

Prep Type: Total/NA

Prep Batch: 12468

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1044		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	116	B	997	919.0		mg/Kg		81	70 - 130		
									</		

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1575-1 MSD

Matrix: Solid

Analysis Batch: 12466

Client Sample ID: BH-1

Prep Type: Total/NA

Prep Batch: 12468

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1096		mg/Kg		110	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	116	B	998	922.7		mg/Kg		81	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	115		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12437/1-A

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			11/16/21 18:53	1

Lab Sample ID: LCS 880-12437/2-A

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-12437/3-A

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-1575-1 MS

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: BH-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	19.2		250	276.2		mg/Kg		103	90 - 110

Lab Sample ID: 890-1575-1 MSD

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: BH-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	19.2		250	281.3		mg/Kg		105	90 - 110	2	20

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1575-11 MS

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: BH-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	18.9		248	281.5		mg/Kg		106	90 - 110

Lab Sample ID: 890-1575-11 MSD

Matrix: Solid

Analysis Batch: 12500

Client Sample ID: BH-8

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18.9		248	283.1		mg/Kg		107	90 - 110	1	20

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## GC VOA

## Analysis Batch: 12338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Total/NA	Solid	Total BTEX	
890-1575-2	BH-2	Total/NA	Solid	Total BTEX	
890-1575-3	BH-3	Total/NA	Solid	Total BTEX	
890-1575-4	SW-1	Total/NA	Solid	Total BTEX	
890-1575-5	SW-2	Total/NA	Solid	Total BTEX	
890-1575-6	BH-4	Total/NA	Solid	Total BTEX	
890-1575-7	BH-5	Total/NA	Solid	Total BTEX	
890-1575-8	SW-3	Total/NA	Solid	Total BTEX	
890-1575-9	BH-6	Total/NA	Solid	Total BTEX	
890-1575-10	BH-7	Total/NA	Solid	Total BTEX	
890-1575-11	BH-8	Total/NA	Solid	Total BTEX	
890-1575-12	BH-9	Total/NA	Solid	Total BTEX	
890-1575-13	SW-4	Total/NA	Solid	Total BTEX	

## Prep Batch: 12349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-12349/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 12415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Total/NA	Solid	8021B	12430
890-1575-2	BH-2	Total/NA	Solid	8021B	12430
890-1575-3	BH-3	Total/NA	Solid	8021B	12430
890-1575-4	SW-1	Total/NA	Solid	8021B	12430
890-1575-5	SW-2	Total/NA	Solid	8021B	12430
890-1575-6	BH-4	Total/NA	Solid	8021B	12430
890-1575-7	BH-5	Total/NA	Solid	8021B	12430
890-1575-8	SW-3	Total/NA	Solid	8021B	12430
890-1575-9	BH-6	Total/NA	Solid	8021B	12430
890-1575-10	BH-7	Total/NA	Solid	8021B	12430
890-1575-11	BH-8	Total/NA	Solid	8021B	12430
890-1575-12	BH-9	Total/NA	Solid	8021B	12430
890-1575-13	SW-4	Total/NA	Solid	8021B	12430
MB 880-12349/5-A	Method Blank	Total/NA	Solid	8021B	12349
MB 880-12430/5-A	Method Blank	Total/NA	Solid	8021B	12430
LCS 880-12430/1-A	Lab Control Sample	Total/NA	Solid	8021B	12430
LCSD 880-12430/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12430
890-1575-1 MS	BH-1	Total/NA	Solid	8021B	
890-1575-1 MSD	BH-1	Total/NA	Solid	8021B	12430

## Prep Batch: 12430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Total/NA	Solid	5035	
890-1575-2	BH-2	Total/NA	Solid	5035	
890-1575-3	BH-3	Total/NA	Solid	5035	
890-1575-4	SW-1	Total/NA	Solid	5035	
890-1575-5	SW-2	Total/NA	Solid	5035	
890-1575-6	BH-4	Total/NA	Solid	5035	
890-1575-7	BH-5	Total/NA	Solid	5035	
890-1575-8	SW-3	Total/NA	Solid	5035	
890-1575-9	BH-6	Total/NA	Solid	5035	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## GC VOA (Continued)

## Prep Batch: 12430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-10	BH-7	Total/NA	Solid	5035	
890-1575-11	BH-8	Total/NA	Solid	5035	
890-1575-12	BH-9	Total/NA	Solid	5035	
890-1575-13	SW-4	Total/NA	Solid	5035	
MB 880-12430/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12430/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12430/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1575-1 MSD	BH-1	Total/NA	Solid	5035	

## GC Semi VOA

## Analysis Batch: 12466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Total/NA	Solid	8015B NM	12468
890-1575-2	BH-2	Total/NA	Solid	8015B NM	12468
890-1575-3	BH-3	Total/NA	Solid	8015B NM	12468
890-1575-4	SW-1	Total/NA	Solid	8015B NM	12468
890-1575-5	SW-2	Total/NA	Solid	8015B NM	12468
890-1575-6	BH-4	Total/NA	Solid	8015B NM	12468
890-1575-7	BH-5	Total/NA	Solid	8015B NM	12468
890-1575-8	SW-3	Total/NA	Solid	8015B NM	12468
890-1575-9	BH-6	Total/NA	Solid	8015B NM	12468
890-1575-10	BH-7	Total/NA	Solid	8015B NM	12468
890-1575-11	BH-8	Total/NA	Solid	8015B NM	12468
890-1575-12	BH-9	Total/NA	Solid	8015B NM	12468
890-1575-13	SW-4	Total/NA	Solid	8015B NM	12468
MB 880-12468/1-A	Method Blank	Total/NA	Solid	8015B NM	12468
LCS 880-12468/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12468
LCSD 880-12468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12468
890-1575-1 MS	BH-1	Total/NA	Solid	8015B NM	12468
890-1575-1 MSD	BH-1	Total/NA	Solid	8015B NM	12468

## Prep Batch: 12468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Total/NA	Solid	8015NM Prep	
890-1575-2	BH-2	Total/NA	Solid	8015NM Prep	
890-1575-3	BH-3	Total/NA	Solid	8015NM Prep	
890-1575-4	SW-1	Total/NA	Solid	8015NM Prep	
890-1575-5	SW-2	Total/NA	Solid	8015NM Prep	
890-1575-6	BH-4	Total/NA	Solid	8015NM Prep	
890-1575-7	BH-5	Total/NA	Solid	8015NM Prep	
890-1575-8	SW-3	Total/NA	Solid	8015NM Prep	
890-1575-9	BH-6	Total/NA	Solid	8015NM Prep	
890-1575-10	BH-7	Total/NA	Solid	8015NM Prep	
890-1575-11	BH-8	Total/NA	Solid	8015NM Prep	
890-1575-12	BH-9	Total/NA	Solid	8015NM Prep	
890-1575-13	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-12468/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12468/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12468/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1575-1 MS	BH-1	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## GC Semi VOA (Continued)

## Prep Batch: 12468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1 MSD	BH-1	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 12574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Total/NA	Solid	8015 NM	
890-1575-2	BH-2	Total/NA	Solid	8015 NM	
890-1575-3	BH-3	Total/NA	Solid	8015 NM	
890-1575-4	SW-1	Total/NA	Solid	8015 NM	
890-1575-5	SW-2	Total/NA	Solid	8015 NM	
890-1575-6	BH-4	Total/NA	Solid	8015 NM	
890-1575-7	BH-5	Total/NA	Solid	8015 NM	
890-1575-8	SW-3	Total/NA	Solid	8015 NM	
890-1575-9	BH-6	Total/NA	Solid	8015 NM	
890-1575-10	BH-7	Total/NA	Solid	8015 NM	
890-1575-11	BH-8	Total/NA	Solid	8015 NM	
890-1575-12	BH-9	Total/NA	Solid	8015 NM	
890-1575-13	SW-4	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 12437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Soluble	Solid	DI Leach	
890-1575-2	BH-2	Soluble	Solid	DI Leach	
890-1575-3	BH-3	Soluble	Solid	DI Leach	
890-1575-4	SW-1	Soluble	Solid	DI Leach	
890-1575-5	SW-2	Soluble	Solid	DI Leach	
890-1575-6	BH-4	Soluble	Solid	DI Leach	
890-1575-7	BH-5	Soluble	Solid	DI Leach	
890-1575-8	SW-3	Soluble	Solid	DI Leach	
890-1575-9	BH-6	Soluble	Solid	DI Leach	
890-1575-10	BH-7	Soluble	Solid	DI Leach	
890-1575-11	BH-8	Soluble	Solid	DI Leach	
890-1575-12	BH-9	Soluble	Solid	DI Leach	
890-1575-13	SW-4	Soluble	Solid	DI Leach	
MB 880-12437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1575-1 MS	BH-1	Soluble	Solid	DI Leach	
890-1575-1 MSD	BH-1	Soluble	Solid	DI Leach	
890-1575-11 MS	BH-8	Soluble	Solid	DI Leach	
890-1575-11 MSD	BH-8	Soluble	Solid	DI Leach	

## Analysis Batch: 12500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-1	BH-1	Soluble	Solid	300.0	12437
890-1575-2	BH-2	Soluble	Solid	300.0	12437
890-1575-3	BH-3	Soluble	Solid	300.0	12437
890-1575-4	SW-1	Soluble	Solid	300.0	12437
890-1575-5	SW-2	Soluble	Solid	300.0	12437
890-1575-6	BH-4	Soluble	Solid	300.0	12437

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## HPLC/IC (Continued)

## Analysis Batch: 12500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1575-7	BH-5	Soluble	Solid	300.0	12437
890-1575-8	SW-3	Soluble	Solid	300.0	12437
890-1575-9	BH-6	Soluble	Solid	300.0	12437
890-1575-10	BH-7	Soluble	Solid	300.0	12437
890-1575-11	BH-8	Soluble	Solid	300.0	12437
890-1575-12	BH-9	Soluble	Solid	300.0	12437
890-1575-13	SW-4	Soluble	Solid	300.0	12437
MB 880-12437/1-A	Method Blank	Soluble	Solid	300.0	12437
LCS 880-12437/2-A	Lab Control Sample	Soluble	Solid	300.0	12437
LCSD 880-12437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12437
890-1575-1 MS	BH-1	Soluble	Solid	300.0	12437
890-1575-1 MSD	BH-1	Soluble	Solid	300.0	12437
890-1575-11 MS	BH-8	Soluble	Solid	300.0	12437
890-1575-11 MSD	BH-8	Soluble	Solid	300.0	12437



## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-1

Lab Sample ID: 890-1575-1

Date Collected: 11/15/21 13:00

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 01:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:08	CH	XEN MID

Client Sample ID: BH-2

Lab Sample ID: 890-1575-2

Date Collected: 11/15/21 13:05

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 01:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 17:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:23	CH	XEN MID

Client Sample ID: BH-3

Lab Sample ID: 890-1575-3

Date Collected: 11/15/21 13:10

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 02:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 17:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:27	CH	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 890-1575-4

Date Collected: 11/15/21 13:15

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 02:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

## Client Sample ID: SW-1

Date Collected: 11/15/21 13:15

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 18:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:32	CH	XEN MID

## Client Sample ID: SW-2

Date Collected: 11/15/21 13:30

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 02:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:37	CH	XEN MID

## Client Sample ID: BH-4

Date Collected: 11/15/21 13:45

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 03:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 19:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:52	CH	XEN MID

## Client Sample ID: BH-5

Date Collected: 11/15/21 13:50

Date Received: 11/15/21 16:00

## Lab Sample ID: 890-1575-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 03:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 19:25	AJ	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-5

Date Collected: 11/15/21 13:50

Date Received: 11/15/21 16:00

Lab Sample ID: 890-1575-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 19:57	CH	XEN MID

Client Sample ID: SW-3

Date Collected: 11/15/21 14:00

Date Received: 11/15/21 16:00

Lab Sample ID: 890-1575-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 03:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 19:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 20:02	CH	XEN MID

Client Sample ID: BH-6

Date Collected: 11/15/21 14:05

Date Received: 11/15/21 16:00

Lab Sample ID: 890-1575-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 04:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 20:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 20:07	CH	XEN MID

Client Sample ID: BH-7

Date Collected: 11/15/21 14:15

Date Received: 11/15/21 16:00

Lab Sample ID: 890-1575-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 04:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 20:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 20:12	CH	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Client Sample ID: BH-8

Lab Sample ID: 890-1575-11

Date Collected: 11/15/21 14:35

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 06:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 21:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 20:17	CH	XEN MID

Client Sample ID: BH-9

Lab Sample ID: 890-1575-12

Date Collected: 11/15/21 14:45

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 06:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 21:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 20:31	CH	XEN MID

Client Sample ID: SW-4

Lab Sample ID: 890-1575-13

Date Collected: 11/15/21 15:00

Matrix: Solid

Date Received: 11/15/21 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12415	11/17/21 06:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12338	11/17/21 16:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12468	11/16/21 14:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12466	11/16/21 21:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1			12500	11/16/21 20:36	CH	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



## Method Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

### Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

## Sample Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1575-1  
SDG: 11220758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1575-1	BH-1	Solid	11/15/21 13:00	11/15/21 16:00
890-1575-2	BH-2	Solid	11/15/21 13:05	11/15/21 16:00
890-1575-3	BH-3	Solid	11/15/21 13:10	11/15/21 16:00
890-1575-4	SW-1	Solid	11/15/21 13:15	11/15/21 16:00
890-1575-5	SW-2	Solid	11/15/21 13:30	11/15/21 16:00
890-1575-6	BH-4	Solid	11/15/21 13:45	11/15/21 16:00
890-1575-7	BH-5	Solid	11/15/21 13:50	11/15/21 16:00
890-1575-8	SW-3	Solid	11/15/21 14:00	11/15/21 16:00
890-1575-9	BH-6	Solid	11/15/21 14:05	11/15/21 16:00
890-1575-10	BH-7	Solid	11/15/21 14:15	11/15/21 16:00
890-1575-11	BH-8	Solid	11/15/21 14:35	11/15/21 16:00
890-1575-12	BH-9	Solid	11/15/21 14:45	11/15/21 16:00
890-1575-13	SW-4	Solid	11/15/21 15:00	11/15/21 16:00

**Dallas Texas (214-902-0300)**

Service Center - San Antonio, Texas (210-509-3334)

[www.xenco.com](http://www.xenco.com)

**Norcross, Georgia (770-449-8800)**

**Lakeland, Florida (863-646-8526)**

Tampa, Florida (813-620-2000)

## CHAIN OF CUSTODY

Page 1 of 1

Service Center - San Antonio, Texas (210-509-3334) www.xenco.com

Client / Reporting Information			Project Information			Analytical Information		Matrix Codes												
Company Name / Branch: GHD/Midland Company Address: 2135 S. Loop 250 West Midland TX			Project Name/Number:  Madison Fee COM #1 / 11220758																	
Email: becky.haskell@ghd.com    Phone No: (432)250-7317 Matthew.laughlin@ghd.com    Zach.comino@ghd.com James.Kennedy@georesources.com    tom.larson@ghd.com Project Contact: Becky Haskell / Glenn Quinney			Invoice To: Eddy County, New Mexico EOG / James Kennedy																	
Sampler's Name Zach Comino			PO Number: NA																	
No.	Field ID / Point of Collection	Collection	Number of preserved bottles																	
		Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	NaHSO <sub>4</sub>	MeOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Field Comments		
1	BA-1		11/21	1300	S	1								X	X	X				
2	BA-2			1305											X	X				
3	BA-3			1300											X	X				
4	SLD-1			1315											X	X				
5	SLD-2			1730											X	X				
6	BA-4			1345											X	X				
7	BA-5			1350											X	X				
8	SLD-3			1400											X	X				
9	BA-6			1405											X	X				
10	BA-7			1415											X	X				
Turnaround Time (Business days)			Data Deliverable Information																	
<input checked="" type="checkbox"/> Same Day TAT (2C)			<input type="checkbox"/> Level II Std QC			<input type="checkbox"/> Level IV (Full Data Pkg / raw data)														
<input type="checkbox"/> Next Day EMERGENCY			<input type="checkbox"/> Level III Std QC+ Forms			<input type="checkbox"/> TRRP Level IV														
<input type="checkbox"/> 2 Day EMERGENCY			<input type="checkbox"/> Level 3 (CLP Forms)			<input type="checkbox"/> UST / RG-411														
<input type="checkbox"/> 3 Day EMERGENCY			<input type="checkbox"/> TRRP Checklist																	
TAT Starts Day received by Lab, if received by 5:00 pm			Report MDLs and J values.																	
Relinquished by Sampler:			SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY			Received By:			Date Time:			Relinquished By:			Date Time:			Received By:		
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Relinquished																				



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(

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# CHAIN OF CUSTODY

Page 2 of 2

**Odessa, Texas (432-563-1800)**

**Norcros, Georgia (770-449-8800)**

Lakeland, Florida (863-646-8526)  
Tampa, Florida (813-620-2000)

620-2000

<div style="display: flex; justify-content: space-between;"> <span>Service Center - San Antonio, Texas (210-509-3334)</span> <span>www.xenco.com</span> </div>									
<b>Client / Reporting Information</b> Company Name / Branch: GHD/Midland Company Address: 2135 S. Loop 280 West Midland TX Email: becky.haskell@ghd.com Matthew.laughlin@ghd.com james.kennedy@ecoresources.com Project Contact: Becky Haskell / Glenn Quinney				<b>Project Information</b> Project Name/Number: Madison Fee COM #1 / 11220758 Project Location: Eddy County, New Mexico Invoice To: EOG / James Kennedy PO Number: NA				<b>Xenco Quote #</b> Xenco Job #	
<b>Field ID / Point of Collection</b> No. 1 BL-8 2 BL-9 3 BL-4 4 5 6 7 8 9 10				<b>Collection</b> Sample Depth Date Time Matrix # of bottles HCl NaOH/Zn Acetate HNO3 H2SO4 NaOH NaHSO4 MEQH NONE		<b>Number of preserved bottles</b> TPH By 8015 Mod (GRO, DRO & MRO) BTEX 8021 B Chloride 600		<b>Analytical Information</b>	
<b>Turnaround Time (Business days)</b> <input checked="" type="checkbox"/> Same Day TAT <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 3 Day EMERGENCY				<b>Date Deliverable Information</b> <input type="checkbox"/> Level II Sid QC <input type="checkbox"/> Level III Sid QC+ Forms <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> TRRP Checklist		<b>Matrix Codes</b> S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface Water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WM = Waste Water A = Air		<b>Field Comments</b>	
<b>TAT Starts Day received by Lab, if received by 5:00 pm</b> Relinquished by: <i>Becky Haskell</i> Relinquished by: <i>Glenn Quinney</i> Relinquished by:				<b>Report MDLs and J values</b> Received By: <i>James Kennedy</i> Received By: <i>Glenn Quinney</i> Received By:		<b>Preserved where applicable</b> On Ice Cooler Temp. 25.4 Thermo. Corr. Factor 1.0		<b>No. SSOW / Direct Bill to EOG</b>	



Eurofins Xenco, Carlsbad

1089 N Canal St  
Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carter Tracking No(s)	COC No	
Client Contact:						Simmons Debbie			890-508 1	
Shipping/Receiving						E-Mail	debbie.simmmons@eurofinsnet.com	State of Origin	Page 1 of 2	
Company						NELAP - Louisiana NELAP - Texas			Job #	
Address									890-1575-1	
City										
Midland										
State, Zip										
TX, 79701										
Phone										
432-704-5440(Tel)										
Email										
WFO #										
Project Name										
Madison Fee COM#1										
Site										
SSOW#										
Due Date Requested										
11/17/2021										
TAT Requested (day's):										
Analysis Requested										
Sample Identification - Client ID (Lab ID)										
BH-1 (890-1575-1)	11/15/21	13 00	Mountain	Solid	X	X	X	X	X	1
BH-2 (890-1575-2)	11/15/21	13 05	Mountain	Solid	X	X	X	X	X	1
BH-3 (890-1575-3)	11/15/21	13 10	Mountain	Solid	X	X	X	X	X	1
SW-1 (890-1575-4)	11/15/21	13 15	Mountain	Solid	X	X	X	X	X	1
SW-2 (890-1575-5)	11/15/21	13 30	Mountain	Solid	X	X	X	X	X	1
BH-4 (890-1575-6)	11/15/21	13 45	Mountain	Solid	X	X	X	X	X	1
BH-5 (890-1575-7)	11/15/21	13 50	Mountain	Solid	X	X	X	X	X	1
SW-3 (890-1575-8)	11/15/21	14 00	Mountain	Solid	X	X	X	X	X	1
BH-6 (890-1575-9)	11/15/21	14 05	Mountain	Solid	X	X	X	X	X	1
Note: Since laboratory accreditation is subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.										
Possible Hazard Identification										
Unconfirmed										
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2										
Empty Kit Relinquished by										
Date/Time Company Received by Date/Time Company										
Relinquished by Joe Cap 11-16-21 Date/Time Company Received by Date/Time Company										
Relinquished by Date/Time Company Received by Date/Time Company										
Custody Seals Intact: Custody Seal No Cooler Temperature(s) °C and Other Remarks										
A Yes A No										
Special Instructions/Note										
Preservation Codes										
A HCL M Hexane										
B NaOH N None										
C Zn Acetate O AsNaO2										
D Nitric Acid P Na2OAS										
E NaHSO4 Q Na2SO3										
F MeOH R Na2S2O3										
G Amchlor S H2SO4										
H Ascorbic Acid T TSP Dodecylhydrate										
I Ice U Acetone										
J DI Water V MCAA										
K EDTA W pH 4.5										
L EDA Z - other (specify)										
Other										
Total Number of containers										
Special Instructions/Note										



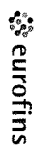
Eurofins Xenco, Carlsbad

1089 N Canal St.

Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

[illegible]

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1575-1

SDG Number: 11220758

**Login Number: 1575****List Number: 1****Creator: Olivas, Nathaniel****List Source: Eurofins Xenco, Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1575-1

SDG Number: 11220758

**Login Number: 1575****List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Xenco, Midland****List Creation: 11/16/21 01:15 PM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-1578-1  
Laboratory Sample Delivery Group: 11220758  
Client Project/Site: Madison Fee COM #1

For:  
GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
11/18/2021 8:56:43 PM  
Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)  
Designee for  
Debbie Simmons, Project Manager  
(832)986-6768  
[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)

#### LINKS

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results through  
**TotalAccess**

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Laboratory Job ID: 890-1578-1  
SDG: 11220758

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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Xenco, Carlsbad

## Case Narrative

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

**Job ID: 890-1578-1****Laboratory: Eurofins Xenco, Carlsbad****Narrative****Job Narrative  
890-1578-1****Receipt**

The samples were received on 11/16/2021 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 23.0°C

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-12527 and analytical batch 880-12499 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BH-10 (890-1578-1), BH-11 (890-1578-2), BH-16 (890-1578-10) and (MB 880-12503/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-12504 and analytical batch 880-12507 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-12504 and analytical batch 880-12507 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-10

Lab Sample ID: 890-1578-1

Date Collected: 11/16/21 13:05

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000855	J	0.00199	0.000383	mg/Kg	-	11/17/21 10:11	11/17/21 20:16	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg	-	11/17/21 10:11	11/17/21 20:16	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	11/17/21 10:11	11/17/21 20:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	11/17/21 10:11	11/17/21 20:16	1
o-Xylene	0.000394	J	0.00199	0.000343	mg/Kg	-	11/17/21 10:11	11/17/21 20:16	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	11/17/21 10:11	11/17/21 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	11/17/21 10:11	11/17/21 20:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/17/21 10:11	11/17/21 20:16	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00125	J	0.00398	0.00101	mg/Kg	-		11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg	-		11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg	-	11/17/21 09:56	11/17/21 16:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg	-	11/17/21 09:56	11/17/21 16:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg	-	11/17/21 09:56	11/17/21 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	11/17/21 09:56	11/17/21 16:50	1
o-Terphenyl	127		70 - 130	11/17/21 09:56	11/17/21 16:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.04	0.865	mg/Kg	-		11/18/21 09:21	1

Client Sample ID: BH-11

Lab Sample ID: 890-1578-2

Date Collected: 11/16/21 13:10

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg	-	11/17/21 10:11	11/17/21 20:36	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg	-	11/17/21 10:11	11/17/21 20:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	11/17/21 10:11	11/17/21 20:36	1
m-Xylene & p-Xylene	0.00125	J	0.00399	0.00101	mg/Kg	-	11/17/21 10:11	11/17/21 20:36	1
o-Xylene	0.00118	J	0.00200	0.000343	mg/Kg	-	11/17/21 10:11	11/17/21 20:36	1
Xylenes, Total	0.00243	J	0.00399	0.00101	mg/Kg	-	11/17/21 10:11	11/17/21 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	11/17/21 10:11	11/17/21 20:36	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/17/21 10:11	11/17/21 20:36	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-11

Lab Sample ID: 890-1578-2

Date Collected: 11/16/21 13:10

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00243	J	0.00399	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 17:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 17:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				11/17/21 09:56	11/17/21 17:12	1
o-Terphenyl	140	S1+	70 - 130				11/17/21 09:56	11/17/21 17:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.99	0.857	mg/Kg			11/18/21 09:28	1

Client Sample ID: SW-5

Lab Sample ID: 890-1578-3

Date Collected: 11/16/21 13:15

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00116	J	0.00200	0.000386	mg/Kg		11/17/21 10:11	11/17/21 20:57	1
Toluene	0.000734	J	0.00200	0.000457	mg/Kg		11/17/21 10:11	11/17/21 20:57	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		11/17/21 10:11	11/17/21 20:57	1
m-Xylene & p-Xylene	0.00144	J	0.00401	0.00101	mg/Kg		11/17/21 10:11	11/17/21 20:57	1
o-Xylene	0.00173	J	0.00200	0.000345	mg/Kg		11/17/21 10:11	11/17/21 20:57	1
Xylenes, Total	0.00317	J	0.00401	0.00101	mg/Kg		11/17/21 10:11	11/17/21 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/17/21 10:11	11/17/21 20:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/17/21 10:11	11/17/21 20:57	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00506		0.00401	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 17:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 17:54	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Client Sample ID: SW-5

## Lab Sample ID: 890-1578-3

Date Collected: 11/16/21 13:15

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/17/21 09:56	11/17/21 17:54	1
o-Terphenyl	114		70 - 130				11/17/21 09:56	11/17/21 17:54	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.6		4.98	0.855	mg/Kg			11/18/21 09:35	1

## Client Sample ID: SW-6

## Lab Sample ID: 890-1578-4

Date Collected: 11/16/21 13:20

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000526	J	0.00199	0.000383	mg/Kg		11/17/21 10:11	11/17/21 21:17	1
Toluene	0.000486	J	0.00199	0.000453	mg/Kg		11/17/21 10:11	11/17/21 21:17	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		11/17/21 10:11	11/17/21 21:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		11/17/21 10:11	11/17/21 21:17	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		11/17/21 10:11	11/17/21 21:17	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		11/17/21 10:11	11/17/21 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				11/17/21 10:11	11/17/21 21:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/17/21 10:11	11/17/21 21:17	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00101	J	0.00398	0.00100	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/17/21 09:56	11/17/21 18:15	1
o-Terphenyl	117		70 - 130				11/17/21 09:56	11/17/21 18:15	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		4.97	0.853	mg/Kg			11/18/21 09:43	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-12

Lab Sample ID: 890-1578-5

Date Collected: 11/16/21 13:25

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000388	J	0.00200	0.000384	mg/Kg		11/17/21 10:11	11/17/21 21:37	1
Toluene	0.000582	J	0.00200	0.000455	mg/Kg		11/17/21 10:11	11/17/21 21:37	1
Ethylbenzene	0.00147	J	0.00200	0.000564	mg/Kg		11/17/21 10:11	11/17/21 21:37	1
m-Xylene & p-Xylene	0.00121	J	0.00399	0.00101	mg/Kg		11/17/21 10:11	11/17/21 21:37	1
o-Xylene	0.00135	J	0.00200	0.000343	mg/Kg		11/17/21 10:11	11/17/21 21:37	1
Xylenes, Total	0.00256	J	0.00399	0.00101	mg/Kg		11/17/21 10:11	11/17/21 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/17/21 10:11	11/17/21 21:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130	11/17/21 10:11	11/17/21 21:37	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00500		0.00399	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	11/17/21 09:56	11/17/21 18:36	1
o-Terphenyl	117		70 - 130	11/17/21 09:56	11/17/21 18:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.8		4.95	0.850	mg/Kg			11/18/21 10:05	1

Client Sample ID: SW-7

Lab Sample ID: 890-1578-6

Date Collected: 11/16/21 13:30

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		11/17/21 10:11	11/17/21 21:58	1
Toluene	0.00135	J	0.00201	0.000459	mg/Kg		11/17/21 10:11	11/17/21 21:58	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		11/17/21 10:11	11/17/21 21:58	1
m-Xylene & p-Xylene	0.00199	J	0.00402	0.00102	mg/Kg		11/17/21 10:11	11/17/21 21:58	1
o-Xylene	0.000372	J	0.00201	0.000346	mg/Kg		11/17/21 10:11	11/17/21 21:58	1
Xylenes, Total	0.00236	J	0.00402	0.00102	mg/Kg		11/17/21 10:11	11/17/21 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	11/17/21 10:11	11/17/21 21:58	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/17/21 10:11	11/17/21 21:58	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: SW-7

Lab Sample ID: 890-1578-6

Date Collected: 11/16/21 13:30

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00371	J	0.00402	0.00102	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.5	J	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:57	1
Diesel Range Organics (Over C10-C28)	16.5	J	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/17/21 09:56	11/17/21 18:57	1
o-Terphenyl	112		70 - 130				11/17/21 09:56	11/17/21 18:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.3		4.95	0.850	mg/Kg			11/18/21 10:12	1

Client Sample ID: BH-13

Lab Sample ID: 890-1578-7

Date Collected: 11/16/21 14:00

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000606	J F1	0.00198	0.000382	mg/Kg		11/17/21 11:06	11/18/21 08:08	1
Toluene	<0.00198	U F1	0.00198	0.000452	mg/Kg		11/17/21 11:06	11/18/21 08:08	1
Ethylbenzene	<0.00198	U F1	0.00198	0.000561	mg/Kg		11/17/21 11:06	11/18/21 08:08	1
m-Xylene & p-Xylene	<0.00397	U F1	0.00397	0.00100	mg/Kg		11/17/21 11:06	11/18/21 08:08	1
o-Xylene	0.000510	J F1	0.00198	0.000341	mg/Kg		11/17/21 11:06	11/18/21 08:08	1
Xylenes, Total	<0.00397	U F1	0.00397	0.00100	mg/Kg		11/17/21 11:06	11/18/21 08:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				11/17/21 11:06	11/18/21 08:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130				11/17/21 11:06	11/18/21 08:08	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00112	J	0.00397	0.00100	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 19:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 19:18	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Client Sample ID: BH-13

## Lab Sample ID: 890-1578-7

Date Collected: 11/16/21 14:00

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/17/21 09:56	11/17/21 19:18	1
o-Terphenyl	123		70 - 130				11/17/21 09:56	11/17/21 19:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		4.96	0.851	mg/Kg			11/18/21 10:20	1

## Client Sample ID: BH-14

## Lab Sample ID: 890-1578-8

Date Collected: 11/16/21 14:05

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/17/21 11:06	11/18/21 08:28	1
Toluene	0.000787	J	0.00200	0.000456	mg/Kg		11/17/21 11:06	11/18/21 08:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/17/21 11:06	11/18/21 08:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/17/21 11:06	11/18/21 08:28	1
o-Xylene	0.000695	J	0.00200	0.000344	mg/Kg		11/17/21 11:06	11/18/21 08:28	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/17/21 11:06	11/18/21 08:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				11/17/21 11:06	11/18/21 08:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130				11/17/21 11:06	11/18/21 08:28	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00148	J	0.00400	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.3	J	49.8	14.9	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		11/17/21 09:56	11/17/21 19:39	1
Diesel Range Organics (Over C10-C28)	17.3	J	49.8	14.9	mg/Kg		11/17/21 09:56	11/17/21 19:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		11/17/21 09:56	11/17/21 19:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/17/21 09:56	11/17/21 19:39	1
o-Terphenyl	115		70 - 130				11/17/21 09:56	11/17/21 19:39	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.4		5.02	0.862	mg/Kg			11/18/21 10:27	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-15

Lab Sample ID: 890-1578-9

Date Collected: 11/16/21 14:10

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000985	J	0.00200	0.000384	mg/Kg		11/17/21 11:06	11/18/21 08:49	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		11/17/21 11:06	11/18/21 08:49	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		11/17/21 11:06	11/18/21 08:49	1
m-Xylene & p-Xylene	0.00145	J	0.00399	0.00101	mg/Kg		11/17/21 11:06	11/18/21 08:49	1
o-Xylene	0.000409	J	0.00200	0.000343	mg/Kg		11/17/21 11:06	11/18/21 08:49	1
Xylenes, Total	0.00186	J	0.00399	0.00101	mg/Kg		11/17/21 11:06	11/18/21 08:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/17/21 11:06	11/18/21 08:49	1
1,4-Difluorobenzene (Surr)	123		70 - 130	11/17/21 11:06	11/18/21 08:49	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00284	J	0.00399	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.3	J	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 19:59	1
Diesel Range Organics (Over C10-C28)	28.3	J	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 19:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/17/21 09:56	11/17/21 19:59	1
o-Terphenyl	128		70 - 130				11/17/21 09:56	11/17/21 19:59	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.7		4.98	0.855	mg/Kg			11/18/21 10:34	1

Client Sample ID: BH-16

Lab Sample ID: 890-1578-10

Date Collected: 11/16/21 14:15

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00165	J	0.00199	0.000383	mg/Kg		11/17/21 11:06	11/18/21 09:09	1
Toluene	0.000473	J	0.00199	0.000454	mg/Kg		11/17/21 11:06	11/18/21 09:09	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/17/21 11:06	11/18/21 09:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/17/21 11:06	11/18/21 09:09	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		11/17/21 11:06	11/18/21 09:09	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		11/17/21 11:06	11/18/21 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	11/17/21 11:06	11/18/21 09:09	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/17/21 11:06	11/18/21 09:09	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-16

Lab Sample ID: 890-1578-10

Date Collected: 11/16/21 14:15

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00212	J	0.00398	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 20:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 20:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/17/21 09:56	11/17/21 20:20	1
o-Terphenyl	132	S1+	70 - 130				11/17/21 09:56	11/17/21 20:20	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.9		4.99	0.857	mg/Kg			11/18/21 10:42	1

Client Sample ID: SW-8

Lab Sample ID: 890-1578-11

Date Collected: 11/16/21 14:20

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00166	J	0.00199	0.000383	mg/Kg		11/17/21 11:06	11/18/21 09:30	1
Toluene	0.000893	J	0.00199	0.000454	mg/Kg		11/17/21 11:06	11/18/21 09:30	1
Ethylbenzene	0.00178	J	0.00199	0.000563	mg/Kg		11/17/21 11:06	11/18/21 09:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/17/21 11:06	11/18/21 09:30	1
o-Xylene	0.00183	J	0.00199	0.000343	mg/Kg		11/17/21 11:06	11/18/21 09:30	1
Xylenes, Total	0.00183	J	0.00398	0.00101	mg/Kg		11/17/21 11:06	11/18/21 09:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				11/17/21 11:06	11/18/21 09:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130				11/17/21 11:06	11/18/21 09:30	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00616		0.00398	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 20:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 20:41	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: SW-8

Lab Sample ID: 890-1578-11

Date Collected: 11/16/21 14:20

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:56	11/17/21 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/17/21 09:56	11/17/21 20:41	1
o-Terphenyl	120		70 - 130				11/17/21 09:56	11/17/21 20:41	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		5.01	0.860	mg/Kg			11/18/21 11:04	1

Client Sample ID: SW-9

Lab Sample ID: 890-1578-12

Date Collected: 11/16/21 14:25

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00104	J	0.00200	0.000386	mg/Kg		11/17/21 11:06	11/18/21 09:50	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		11/17/21 11:06	11/18/21 09:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		11/17/21 11:06	11/18/21 09:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		11/17/21 11:06	11/18/21 09:50	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		11/17/21 11:06	11/18/21 09:50	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		11/17/21 11:06	11/18/21 09:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/17/21 11:06	11/18/21 09:50	1
1,4-Difluorobenzene (Surr)	76		70 - 130				11/17/21 11:06	11/18/21 09:50	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00104	J	0.00401	0.00101	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		11/17/21 09:56	11/17/21 21:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		11/17/21 09:56	11/17/21 21:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		11/17/21 09:56	11/17/21 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				11/17/21 09:56	11/17/21 21:01	1
o-Terphenyl	128		70 - 130				11/17/21 09:56	11/17/21 21:01	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.2		4.97	0.853	mg/Kg			11/18/21 11:11	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: SW-10

Lab Sample ID: 890-1578-13

Date Collected: 11/16/21 14:40

Matrix: Solid

Date Received: 11/16/21 15:15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000864	J	0.00199	0.000383	mg/Kg		11/17/21 11:06	11/18/21 10:11	1
Toluene	0.000477	J	0.00199	0.000453	mg/Kg		11/17/21 11:06	11/18/21 10:11	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		11/17/21 11:06	11/18/21 10:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		11/17/21 11:06	11/18/21 10:11	1
o-Xylene	0.000764	J	0.00199	0.000342	mg/Kg		11/17/21 11:06	11/18/21 10:11	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		11/17/21 11:06	11/18/21 10:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/17/21 11:06	11/18/21 10:11	1
1,4-Difluorobenzene (Surr)	95		70 - 130	11/17/21 11:06	11/18/21 10:11	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00211	J	0.00398	0.00100	mg/Kg			11/18/21 16:13	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.0	J	49.9	15.0	mg/Kg			11/17/21 13:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *- *1	49.9	15.0	mg/Kg		11/17/21 09:57	11/17/21 17:12	1
Diesel Range Organics (Over C10-C28)	18.0	J B *1	49.9	15.0	mg/Kg		11/17/21 09:57	11/17/21 17:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/17/21 09:57	11/17/21 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	11/17/21 09:57	11/17/21 17:12	1
o-Terphenyl	128		70 - 130	11/17/21 09:57	11/17/21 17:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.95	0.850	mg/Kg			11/18/21 11:33	1

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## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1578-1	BH-10	131 S1+	102
890-1578-2	BH-11	130	97
890-1578-3	SW-5	100	102
890-1578-4	SW-6	131 S1+	94
890-1578-5	BH-12	117	86
890-1578-6	SW-7	130	96
890-1578-7	BH-13	132 S1+	110
890-1578-7 MS	BH-13	118	98
890-1578-7 MSD	BH-13	115	99
890-1578-8	BH-14	129	99
890-1578-9	BH-15	92	123
890-1578-10	BH-16	121	76
890-1578-11	SW-8	116	89
890-1578-12	SW-9	97	76
890-1578-13	SW-10	106	95
LCS 880-12436/1-A	Lab Control Sample	118	96
LCS 880-12527/1-A	Lab Control Sample	116	102
LCSD 880-12436/2-A	Lab Control Sample Dup	112	98
LCSD 880-12527/2-A	Lab Control Sample Dup	119	96
MB 880-12436/5-A	Method Blank	122	103
MB 880-12499/39	Method Blank	124	103
MB 880-12527/5-A	Method Blank	119	98
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1578-1	BH-10	106	127
890-1578-2	BH-11	117	140 S1+
890-1578-3	SW-5	98	114
890-1578-4	SW-6	98	117
890-1578-5	BH-12	99	117
890-1578-6	SW-7	98	112
890-1578-7	BH-13	108	123
890-1578-8	BH-14	99	115
890-1578-9	BH-15	108	128
890-1578-10	BH-16	114	132 S1+
890-1578-11	SW-8	102	120
890-1578-12	SW-9	107	128
890-1578-13	SW-10	112	128
LCS 880-12503/2-A	Lab Control Sample	93	96
LCS 880-12504/2-A	Lab Control Sample	111	114
LCSD 880-12503/3-A	Lab Control Sample Dup	118	122
LCSD 880-12504/3-A	Lab Control Sample Dup	102	85

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Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-12503/1-A	Method Blank	117	137 S1+
MB 880-12504/1-A	Method Blank	94	109
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12436/5-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/17/21 10:11	11/17/21 13:32	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/17/21 10:11	11/17/21 13:32	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/17/21 10:11	11/17/21 13:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/17/21 10:11	11/17/21 13:32	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/17/21 10:11	11/17/21 13:32	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/17/21 10:11	11/17/21 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	11/17/21 10:11	11/17/21 13:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/17/21 10:11	11/17/21 13:32	1

Lab Sample ID: LCS 880-12436/1-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07333		mg/Kg		73	70 - 130
Toluene	0.100	0.08622		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.09167		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1797		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08797		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-12436/2-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12436

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07423		mg/Kg		74	70 - 130	1	35
Toluene	0.100	0.08825		mg/Kg		88	70 - 130	2	35
Ethylbenzene	0.100	0.09292		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1800		mg/Kg		90	70 - 130	0	35
o-Xylene	0.100	0.08949		mg/Kg		89	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-12499/39

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg			11/18/21 01:06	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg			11/18/21 01:06	1

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-12499/39

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg			11/18/21 01:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg			11/18/21 01:06	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg			11/18/21 01:06	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg			11/18/21 01:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130		11/18/21 01:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130		11/18/21 01:06	1

Lab Sample ID: MB 880-12527/5-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12527

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/17/21 11:06	11/18/21 07:39	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/17/21 11:06	11/18/21 07:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/17/21 11:06	11/18/21 07:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/17/21 11:06	11/18/21 07:39	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/17/21 11:06	11/18/21 07:39	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/17/21 11:06	11/18/21 07:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/17/21 11:06	11/18/21 07:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/17/21 11:06	11/18/21 07:39	1

Lab Sample ID: LCS 880-12527/1-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12527

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09337		mg/Kg		93	70 - 130
Toluene	0.100	0.09370		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09455		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1902		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09523		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-12527/2-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12527

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09464		mg/Kg		95	70 - 130	1	35
Toluene	0.100	0.09786		mg/Kg		98	70 - 130	4	35
Ethylbenzene	0.100	0.09944		mg/Kg		99	70 - 130	5	35

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-12527/2-A

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12527

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.200	0.1971		mg/Kg		99	70 - 130	4	35
o-Xylene	0.100	0.09588		mg/Kg		96	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-1578-7 MS

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: BH-13

Prep Type: Total/NA

Prep Batch: 12527

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000606	J F1	0.100	0.05894	F1	mg/Kg		58	70 - 130		
Toluene	<0.00198	U F1	0.100	0.06417	F1	mg/Kg		64	70 - 130		
Ethylbenzene	<0.00198	U F1	0.100	0.06532	F1	mg/Kg		65	70 - 130		
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.1243	F1	mg/Kg		62	70 - 130		
o-Xylene	0.000510	J F1	0.100	0.06261	F1	mg/Kg		62	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-1578-7 MSD

Matrix: Solid

Analysis Batch: 12499

Client Sample ID: BH-13

Prep Type: Total/NA

Prep Batch: 12527

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000606	J F1	0.0996	0.08075		mg/Kg		80	70 - 130	31	35
Toluene	<0.00198	U F1	0.0996	0.08534		mg/Kg		86	70 - 130	28	35
Ethylbenzene	<0.00198	U F1	0.0996	0.08084		mg/Kg		81	70 - 130	21	35
m-Xylene & p-Xylene	<0.00397	U F1	0.199	0.1611		mg/Kg		81	70 - 130	26	35
o-Xylene	0.000510	J F1	0.0996	0.08006		mg/Kg		80	70 - 130	24	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-12503/1-A

Matrix: Solid

Analysis Batch: 12505

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 12:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 12:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:56	11/17/21 12:19	1

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	11/17/21 09:56	11/17/21 12:19	1
o-Terphenyl	137	S1+	70 - 130	11/17/21 09:56	11/17/21 12:19	1

Lab Sample ID: LCS 880-12503/2-A

Matrix: Solid

Analysis Batch: 12505

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12503

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1069		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	931.7		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-12503/3-A

Matrix: Solid

Analysis Batch: 12505

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12503

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1197		mg/Kg		120	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: MB 880-12504/1-A

Matrix: Solid

Analysis Batch: 12507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:57	11/17/21 12:19	1
Diesel Range Organics (Over C10-C28)	16.02	J	50.0	15.0	mg/Kg		11/17/21 09:57	11/17/21 12:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/17/21 09:57	11/17/21 12:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	11/17/21 09:57	11/17/21 12:19	1
o-Terphenyl	109		70 - 130	11/17/21 09:57	11/17/21 12:19	1

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## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-12504/2-A

Matrix: Solid

Analysis Batch: 12507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.		
							Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	647.5	*-	mg/Kg		65	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	726.5		mg/Kg		73	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	111		70 - 130						
o-Terphenyl	114		70 - 130						

Lab Sample ID: LCSD 880-12504/3-A

Matrix: Solid

Analysis Batch: 12507

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12504

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	848.2	*1	mg/Kg		85	70 - 130	27	20
Diesel Range Organics (Over C10-C28)			1000	926.6	*1	mg/Kg		93	70 - 130	24	20

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12528/1-A

Matrix: Solid

Analysis Batch: 12602

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			11/18/21 08:36	1

Lab Sample ID: LCS 880-12528/2-A

Matrix: Solid

Analysis Batch: 12602

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-12528/3-A

Matrix: Solid

Analysis Batch: 12602

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	259.9		mg/Kg		104	90 - 110	0	20

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QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1578-10 MS										Client Sample ID: BH-16		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 12602												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits			
Chloride	84.9		250	317.8		mg/Kg		93	90 - 110			

Lab Sample ID: 890-1578-10 MSD										Client Sample ID: BH-16		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 12602												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	84.9		250	313.8		mg/Kg		92	90 - 110	1	20	



## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## GC VOA

## Prep Batch: 12436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Total/NA	Solid	5035	
890-1578-2	BH-11	Total/NA	Solid	5035	
890-1578-3	SW-5	Total/NA	Solid	5035	
890-1578-4	SW-6	Total/NA	Solid	5035	
890-1578-5	BH-12	Total/NA	Solid	5035	
890-1578-6	SW-7	Total/NA	Solid	5035	
MB 880-12436/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12436/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12436/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 12499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Total/NA	Solid	8021B	12436
890-1578-2	BH-11	Total/NA	Solid	8021B	12436
890-1578-3	SW-5	Total/NA	Solid	8021B	12436
890-1578-4	SW-6	Total/NA	Solid	8021B	12436
890-1578-5	BH-12	Total/NA	Solid	8021B	12436
890-1578-6	SW-7	Total/NA	Solid	8021B	12436
890-1578-7	BH-13	Total/NA	Solid	8021B	12527
890-1578-8	BH-14	Total/NA	Solid	8021B	12527
890-1578-9	BH-15	Total/NA	Solid	8021B	12527
890-1578-10	BH-16	Total/NA	Solid	8021B	12527
890-1578-11	SW-8	Total/NA	Solid	8021B	12527
890-1578-12	SW-9	Total/NA	Solid	8021B	12527
890-1578-13	SW-10	Total/NA	Solid	8021B	12527
MB 880-12436/5-A	Method Blank	Total/NA	Solid	8021B	12436
MB 880-12499/39	Method Blank	Total/NA	Solid	8021B	
MB 880-12527/5-A	Method Blank	Total/NA	Solid	8021B	12527
LCS 880-12436/1-A	Lab Control Sample	Total/NA	Solid	8021B	12436
LCS 880-12527/1-A	Lab Control Sample	Total/NA	Solid	8021B	12527
LCSD 880-12436/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12436
LCSD 880-12527/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12527
890-1578-7 MS	BH-13	Total/NA	Solid	8021B	12527
890-1578-7 MSD	BH-13	Total/NA	Solid	8021B	12527

## Prep Batch: 12527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-7	BH-13	Total/NA	Solid	5035	
890-1578-8	BH-14	Total/NA	Solid	5035	
890-1578-9	BH-15	Total/NA	Solid	5035	
890-1578-10	BH-16	Total/NA	Solid	5035	
890-1578-11	SW-8	Total/NA	Solid	5035	
890-1578-12	SW-9	Total/NA	Solid	5035	
890-1578-13	SW-10	Total/NA	Solid	5035	
MB 880-12527/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12527/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12527/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1578-7 MS	BH-13	Total/NA	Solid	5035	
890-1578-7 MSD	BH-13	Total/NA	Solid	5035	

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## GC VOA

## Analysis Batch: 12693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Total/NA	Solid	Total BTEX	
890-1578-2	BH-11	Total/NA	Solid	Total BTEX	
890-1578-3	SW-5	Total/NA	Solid	Total BTEX	
890-1578-4	SW-6	Total/NA	Solid	Total BTEX	
890-1578-5	BH-12	Total/NA	Solid	Total BTEX	
890-1578-6	SW-7	Total/NA	Solid	Total BTEX	
890-1578-7	BH-13	Total/NA	Solid	Total BTEX	
890-1578-8	BH-14	Total/NA	Solid	Total BTEX	
890-1578-9	BH-15	Total/NA	Solid	Total BTEX	
890-1578-10	BH-16	Total/NA	Solid	Total BTEX	
890-1578-11	SW-8	Total/NA	Solid	Total BTEX	
890-1578-12	SW-9	Total/NA	Solid	Total BTEX	
890-1578-13	SW-10	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 12503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Total/NA	Solid	8015NM Prep	
890-1578-2	BH-11	Total/NA	Solid	8015NM Prep	
890-1578-3	SW-5	Total/NA	Solid	8015NM Prep	
890-1578-4	SW-6	Total/NA	Solid	8015NM Prep	
890-1578-5	BH-12	Total/NA	Solid	8015NM Prep	
890-1578-6	SW-7	Total/NA	Solid	8015NM Prep	
890-1578-7	BH-13	Total/NA	Solid	8015NM Prep	
890-1578-8	BH-14	Total/NA	Solid	8015NM Prep	
890-1578-9	BH-15	Total/NA	Solid	8015NM Prep	
890-1578-10	BH-16	Total/NA	Solid	8015NM Prep	
890-1578-11	SW-8	Total/NA	Solid	8015NM Prep	
890-1578-12	SW-9	Total/NA	Solid	8015NM Prep	
MB 880-12503/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12503/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12503/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Prep Batch: 12504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-13	SW-10	Total/NA	Solid	8015NM Prep	
MB 880-12504/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12504/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 12505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Total/NA	Solid	8015B NM	12503
890-1578-2	BH-11	Total/NA	Solid	8015B NM	12503
890-1578-3	SW-5	Total/NA	Solid	8015B NM	12503
890-1578-4	SW-6	Total/NA	Solid	8015B NM	12503
890-1578-5	BH-12	Total/NA	Solid	8015B NM	12503
890-1578-6	SW-7	Total/NA	Solid	8015B NM	12503
890-1578-7	BH-13	Total/NA	Solid	8015B NM	12503
890-1578-8	BH-14	Total/NA	Solid	8015B NM	12503

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## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## GC Semi VOA (Continued)

## Analysis Batch: 12505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-9	BH-15	Total/NA	Solid	8015B NM	12503
890-1578-10	BH-16	Total/NA	Solid	8015B NM	12503
890-1578-11	SW-8	Total/NA	Solid	8015B NM	12503
890-1578-12	SW-9	Total/NA	Solid	8015B NM	12503
MB 880-12503/1-A	Method Blank	Total/NA	Solid	8015B NM	12503
LCS 880-12503/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12503
LCSD 880-12503/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12503

## Analysis Batch: 12507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-13	SW-10	Total/NA	Solid	8015B NM	12504
MB 880-12504/1-A	Method Blank	Total/NA	Solid	8015B NM	12504
LCS 880-12504/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12504
LCSD 880-12504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12504

## Analysis Batch: 12574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Total/NA	Solid	8015 NM	
890-1578-2	BH-11	Total/NA	Solid	8015 NM	
890-1578-3	SW-5	Total/NA	Solid	8015 NM	
890-1578-4	SW-6	Total/NA	Solid	8015 NM	
890-1578-5	BH-12	Total/NA	Solid	8015 NM	
890-1578-6	SW-7	Total/NA	Solid	8015 NM	
890-1578-7	BH-13	Total/NA	Solid	8015 NM	
890-1578-8	BH-14	Total/NA	Solid	8015 NM	
890-1578-9	BH-15	Total/NA	Solid	8015 NM	
890-1578-10	BH-16	Total/NA	Solid	8015 NM	
890-1578-11	SW-8	Total/NA	Solid	8015 NM	
890-1578-12	SW-9	Total/NA	Solid	8015 NM	
890-1578-13	SW-10	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 12528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Soluble	Solid	DI Leach	
890-1578-2	BH-11	Soluble	Solid	DI Leach	
890-1578-3	SW-5	Soluble	Solid	DI Leach	
890-1578-4	SW-6	Soluble	Solid	DI Leach	
890-1578-5	BH-12	Soluble	Solid	DI Leach	
890-1578-6	SW-7	Soluble	Solid	DI Leach	
890-1578-7	BH-13	Soluble	Solid	DI Leach	
890-1578-8	BH-14	Soluble	Solid	DI Leach	
890-1578-9	BH-15	Soluble	Solid	DI Leach	
890-1578-10	BH-16	Soluble	Solid	DI Leach	
890-1578-11	SW-8	Soluble	Solid	DI Leach	
890-1578-12	SW-9	Soluble	Solid	DI Leach	
890-1578-13	SW-10	Soluble	Solid	DI Leach	
MB 880-12528/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12528/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12528/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## HPLC/IC (Continued)

## Leach Batch: 12528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-10 MS	BH-16	Soluble	Solid	DI Leach	
890-1578-10 MSD	BH-16	Soluble	Solid	DI Leach	

## Analysis Batch: 12602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1578-1	BH-10	Soluble	Solid	300.0	12528
890-1578-2	BH-11	Soluble	Solid	300.0	12528
890-1578-3	SW-5	Soluble	Solid	300.0	12528
890-1578-4	SW-6	Soluble	Solid	300.0	12528
890-1578-5	BH-12	Soluble	Solid	300.0	12528
890-1578-6	SW-7	Soluble	Solid	300.0	12528
890-1578-7	BH-13	Soluble	Solid	300.0	12528
890-1578-8	BH-14	Soluble	Solid	300.0	12528
890-1578-9	BH-15	Soluble	Solid	300.0	12528
890-1578-10	BH-16	Soluble	Solid	300.0	12528
890-1578-11	SW-8	Soluble	Solid	300.0	12528
890-1578-12	SW-9	Soluble	Solid	300.0	12528
890-1578-13	SW-10	Soluble	Solid	300.0	12528
MB 880-12528/1-A	Method Blank	Soluble	Solid	300.0	12528
LCS 880-12528/2-A	Lab Control Sample	Soluble	Solid	300.0	12528
LCSD 880-12528/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12528
890-1578-10 MS	BH-16	Soluble	Solid	300.0	12528
890-1578-10 MSD	BH-16	Soluble	Solid	300.0	12528

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-10

Lab Sample ID: 890-1578-1

Date Collected: 11/16/21 13:05

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12436	11/17/21 10:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/17/21 20:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 16:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 09:21	CH	XEN MID

Client Sample ID: BH-11

Lab Sample ID: 890-1578-2

Date Collected: 11/16/21 13:10

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12436	11/17/21 10:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/17/21 20:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 17:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 09:28	CH	XEN MID

Client Sample ID: SW-5

Lab Sample ID: 890-1578-3

Date Collected: 11/16/21 13:15

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	12436	11/17/21 10:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/17/21 20:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 17:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 09:35	CH	XEN MID

Client Sample ID: SW-6

Lab Sample ID: 890-1578-4

Date Collected: 11/16/21 13:20

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12436	11/17/21 10:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/17/21 21:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID

Eurofins Xenco, Carlsbad



## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

## Client Sample ID: SW-6

## Lab Sample ID: 890-1578-4

Date Collected: 11/16/21 13:20

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 18:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 09:43	CH	XEN MID

## Client Sample ID: BH-12

## Lab Sample ID: 890-1578-5

Date Collected: 11/16/21 13:25

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12436	11/17/21 10:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/17/21 21:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 18:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 10:05	CH	XEN MID

## Client Sample ID: SW-7

## Lab Sample ID: 890-1578-6

Date Collected: 11/16/21 13:30

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	12436	11/17/21 10:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/17/21 21:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 18:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 10:12	CH	XEN MID

## Client Sample ID: BH-13

## Lab Sample ID: 890-1578-7

Date Collected: 11/16/21 14:00

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 08:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 19:18	AJ	XEN MID

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## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: BH-13

Lab Sample ID: 890-1578-7

Date Collected: 11/16/21 14:00

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 10:20	CH	XEN MID

Client Sample ID: BH-14

Lab Sample ID: 890-1578-8

Date Collected: 11/16/21 14:05

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 08:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 19:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 10:27	CH	XEN MID

Client Sample ID: BH-15

Lab Sample ID: 890-1578-9

Date Collected: 11/16/21 14:10

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 08:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 19:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 10:34	CH	XEN MID

Client Sample ID: BH-16

Lab Sample ID: 890-1578-10

Date Collected: 11/16/21 14:15

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 09:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 20:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 10:42	CH	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Client Sample ID: SW-8

Lab Sample ID: 890-1578-11

Date Collected: 11/16/21 14:20

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 09:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 20:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 11:04	CH	XEN MID

Client Sample ID: SW-9

Lab Sample ID: 890-1578-12

Date Collected: 11/16/21 14:25

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 09:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12503	11/17/21 09:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12505	11/17/21 21:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 11:11	CH	XEN MID

Client Sample ID: SW-10

Lab Sample ID: 890-1578-13

Date Collected: 11/16/21 14:40

Matrix: Solid

Date Received: 11/16/21 15:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12527	11/17/21 11:06	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12499	11/18/21 10:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12504	11/17/21 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12507	11/17/21 17:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12528	11/17/21 11:07	CH	XEN MID
Soluble	Analysis	300.0		1			12602	11/18/21 11:33	CH	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

## Method Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



## Sample Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1578-1  
SDG: 11220758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1578-1	BH-10	Solid	11/16/21 13:05	11/16/21 15:15
890-1578-2	BH-11	Solid	11/16/21 13:10	11/16/21 15:15
890-1578-3	SW-5	Solid	11/16/21 13:15	11/16/21 15:15
890-1578-4	SW-6	Solid	11/16/21 13:20	11/16/21 15:15
890-1578-5	BH-12	Solid	11/16/21 13:25	11/16/21 15:15
890-1578-6	SW-7	Solid	11/16/21 13:30	11/16/21 15:15
890-1578-7	BH-13	Solid	11/16/21 14:00	11/16/21 15:15
890-1578-8	BH-14	Solid	11/16/21 14:05	11/16/21 15:15
890-1578-9	BH-15	Solid	11/16/21 14:10	11/16/21 15:15
890-1578-10	BH-16	Solid	11/16/21 14:15	11/16/21 15:15
890-1578-11	SW-8	Solid	11/16/21 14:20	11/16/21 15:15
890-1578-12	SW-9	Solid	11/16/21 14:25	11/16/21 15:15
890-1578-13	SW-10	Solid	11/16/21 14:40	11/16/21 15:15



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Page 4 of 1

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Norcross, Georgia (770-449-8800)

Lakeland, Florida (863-646-8626)  
Tampa, Florida (813-620-2000)

Xenco Quote #

Xenco Job #

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes					
Company Name / Branch: GHDMidland Company Address: 2135 S. Loop 250 West Midland TX				Project Name/Number: Madison Fee COM #1 / 11220758 Project Location: Eddy County, New Mexico Invoice To: EOG / James Kennedy				TPH By 8015 Mod (GRO, DRO & MRO) BTEX 8021 B Chloride 600				S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air					
Email: becky.haskell@ghd.com Matthew.Lamphun@ghd.com James.Kennedy@eogresources.com Tom.Larson@ghd.com Project Contact: Becky Haskell / Glenn Quinney				Phone No: (432)250-7917 Zach.comino@ghd.com				PO Number: NA									
Sampler's Name Zach Comino																	
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Field Comments
1	BA-10		11/6/21	13:05	S	1								X	X	X	
2	BA-11			13:10										X	X	X	
3	SLD-5			13:15										X	X	X	
4	SLD-6			13:20										X	X	X	
5	BA-12			13:25										X	X	X	
6	SLD-7			13:30										X	X	X	
7	BA-13			14:00										X	X	X	
8	BA-14			14:05										X	X	X	
9	BA-15			14:10										X	X	X	
10	BA-16			14:15										X	X	X	
Turnaround Time (Business days)				Data Deliverable Information													
<input checked="" type="checkbox"/> Same Day TAT				<input type="checkbox"/> Level II Std QC				<input type="checkbox"/> Level IV (Full Data Pkg / raw data)									
<input type="checkbox"/> Next Day EMERGENCY				<input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC + Forms				<input type="checkbox"/> TRRP Level IV					
<input type="checkbox"/> 2 Day EMERGENCY				<input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms)				<input type="checkbox"/> UST / RG -411					
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist													
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.													
Relinquished by Sampler: <i>[Signature]</i>				Relinquished By: <i>[Signature]</i>													
Relinquished by: <i>[Signature]</i>				Relinquished By: <i>[Signature]</i>													
Date Time: 11/6/21 15:15				Date Time: 11/16/21 10:15													
Custody Seal #				Preserved where applicable													
On Ice				Cooler Temp.													
Thermo, Corr. Factor																	



890-1578 Chain of Custody

Stafford, Texas (281-240-4200)

**Dallas Texas (214-902-0300)**

**Service Center - San Antonio, Texas (210-509-3334)**

[www.xenco.com](http://www.xenco.com)

## CHAIN OF CUSTODY

Page ~~4~~ Of ~~4~~

**Odessa, Texas (432-563-1800)**

**Norcross, Georgia (770-449-8800)**

Lakeland, Florida (863-646-8526)  
Tampa, Florida (813-620-2000)

11/18/2021

<div style="display: flex; justify-content: space-between;"> <div> <p><b>Service Center - San Antonio, Texas (210-509-3334)</b></p> <p>www.xenco.com</p> </div> <div> <p>Xenco Quote #</p> <p>Xenco Job #</p> </div> </div>																																																																																																																																																																																																																									
<b>Client / Reporting Information</b> Company Name / Branch: <b>GHD/Midland</b> Company Address: <b>2155 S. Loop 280 West Midland TX</b>				<b>Project Information</b> Project Name/Number: <b>Madison Fee COM #1 / 11220758</b> Project Location: <b>Eddy County, New Mexico</b> Invoice To: <b>EOG / James Kennedy</b>				<b>Analytical Information</b>		<b>Matrix Codes</b> S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water W = Wipe O = Oil WW = Waste Water A = Air																																																																																																																																																																																																															
Email: <b>becky.haskell@ghd.com</b> Phone No: <b>(432)250-7917</b> <b>Matthew.laughlin@ghd.com</b> <b>Zach.comino@ghd.com</b> <b>James.Kennedy@georesources.com</b> <b>tom.larson@ghd.com</b> Project Contact: <b>Becky Haskell / Glenn Guinney</b>				PO Number: <b>NA</b>																																																																																																																																																																																																																					
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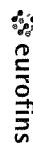
Eurofins Xenco, Carlsbad

1089 N Canal St.

Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

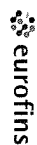
<b>Client Information (Sub Contract Lab)</b>				Sampler	Lab PM	Carrier Tracking No(s)		CCC No								
Client Contact: <b>Simmons Debbie</b>				Phone	E-Mail: <b>debbie.simmmons@eurofinsllc.com</b>	State of Origin		890-510 1								
Shipping/Receiving				Accreditations Required (See note)		New Mexico		Page 1 of 2								
Company: <b>Eurofins Xenco</b>				NELAP - Louisiana NELAP - Texas		Job #		890-1578-1								
Address: <b>1211 W. Florida Ave</b>				Due Date Requested	Analysis Requested											
City: <b>Midland</b>				<b>11/18/2021</b>												
State Zip: <b>TX 79701</b>				<b>TAFT Requested (day/s):</b>												
Phone: <b>432-704-5440(Tel)</b>				PO #:												
Email: <b>WQ #</b>				Project #:												
Project Name: <b>Madison Fee COM #1</b>				SSOW#:												
Site:																
<b>Sample Identification - Client ID (Lab ID)</b>				<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=Grab)</b>	<b>Matrix (W=Water, S=Solid, O=Other, A=Air)</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform MS/MSD (Yes or No)</b>	<b>8015MOD_NM/8015NM_S_Prep Full TPH - NM</b>	<b>8021B/6035FP_Calc BTEX (bulk jar/FP prep)</b>	<b>300_ORGFM_28D/DI_LEACH Chloride</b>	<b>8015MOD_Calc</b>	<b>Total BTEX_GCV</b>	<b>Total Number of containers</b>	<b>Special Instructions/Note</b>
BH-10 (890-1578-1)				11/16/21	13 05	Mountain	Solid	X	X	X	X	X	X	X	1	
BH-11 (890-1578-2)				11/16/21	13 10	Mountain	Solid	X	X	X	X	X	X	X	1	
SW-5 (890-1578-3)				11/16/21	13 15	Mountain	Solid	X	X	X	X	X	X	X	1	
SW-6 (890-1578-4)				11/16/21	13 20	Mountain	Solid	X	X	X	X	X	X	X	1	
BH-12 (890-1578-5)				11/16/21	13 25	Mountain	Solid	X	X	X	X	X	X	X	1	
SW-7 (890-1578-6)				11/16/21	13 30	Mountain	Solid	X	X	X	X	X	X	X	1	
BH-13 (890-1578-7)				11/16/21	14 00	Mountain	Solid	X	X	X	X	X	X	X	1	
BH-14 (890-1578-8)				11/16/21	14 05	Mountain	Solid	X	X	X	X	X	X	X	1	
BH-15 (890-1578-9)				11/16/21	14 10	Mountain	Solid	X	X	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out sub-contract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analytes/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.																
<b>Possible Hazard Identification</b>																
Unconfirmed																
Deliverable Requested I II III IV Other (Specify) Primary Deliverable Rank 2																
Empty Kit Relinquished by																
Relinquished by <b>[Signature]</b> Date/Time <b>11/17/21</b> Company																
Relinquished by Date/Time Company																
Relinquished by Date/Time Company																
Custody Seals Intact: Custody Seal No																
A Yes A No																
Cooler Temperature(s) °C and Other Remarks: <b>3.0/3.1</b>																
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months																
Special Instructions/QC Requirements																
Method of Shipment																
Date/Time <b>11/17/21</b> Company																
Date/Time Company																
Date/Time Company																



## Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad NM 88220  
Phone 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

<b>Client Information (Sub Contract Lab)</b>		Sampler:	Lab PM	Carrier Tracking No(s)	COC No:									
Client Contact:	Phone	Simmons Debbie			890-510 2									
Shipping/Receiving	E-Mail	debbe.simmmons@eurofinsnet.com		State of Origin:	Page 2 of 2									
Company:	Eurofins Xenco	Accreditations Required (See note)		New Mexico	Job #:									
Address:	1211 W. Florida Ave	NELAP - Louisiana NELAP - Texas			890-1578-1									
City:	Midland	Due Date Requested		Preservation Codes										
State Zip:	TX 79701	11/18/2021		A. HCL B. NaOH C. Zn Acetate D. Nitric Acid E. NaHSO4 F. MeOH G. Amchlor H. Ascorbic Acid I. Ice J. DI Water K. EDTA L. EDA Other:										
Phone:	432-704-5440(Tel)	7AT Requested (days)		M. Hexane N. None O. AsNaO2 P. Na2OAS Q. Na2SO3 R. Na2S2O3 S. H2SO4 T. TSP Dodecylhydrate U. Acetone V. MCAA W. pH 4-5 Z. other (specify)										
Email:	W/O #:	PO #:												
Project Name	Madison Fee COM #1	Project #:												
Site:	SSOW#:	88000221												
<b>Sample Identification - Client ID (Lab ID)</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=grab)</b>	<b>Matrix (W=Water, S=solid, O=wastefluid, BT=tissue, A=air)</b>	<b>Field Filtered Sample (Yes or No)</b>	<b>Perform MS/MSD (Yes or No)</b>	<b>8015MOD_NM/8015NM_S_Prep Full TPH - NM</b>	<b>8021B/5035FP_Calc BTEX (bulk jar/FP prep)</b>	<b>300_ORGFM_28D/DI_LEACH Chloride</b>	<b>8015MOD_Calc</b>	<b>Total_BTEX_GCV</b>	<b>Total Number of containers</b>	<b>Special Instructions/Note</b>
BH-16 (890-1578-10)	11/16/21	14 15	Mountain	Solid		X	X	X	X	X	X	X	1	
SW-8 (890-1578-11)	11/16/21	14 20	Mountain	Solid		X	X	X	X	X	X	X	1	
SW-9 (890-1578-12)	11/16/21	14 25	Mountain	Solid		X	X	X	X	X	X	X	1	
SW-10 (890-1578-13)	11/16/21	14 40	Mountain	Solid		X	X	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.														
<b>Possible Hazard Identification</b>														
<b>Unconfirmed</b>														
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2														
Empty Kit Relinquished by Date Time Company Method of Shipment														
Relinquished by Date Time Company														
Relinquished by Date Time Company														
Relinquished by Date Time Company														
Custody Seals Intact: Custody Seal No														
Cooler Temperature(s) °C and Other Remarks:														
3.0/3.1														



## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1578-1

SDG Number: 11220758

Login Number: 1578

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1578-1

SDG Number: 11220758

Login Number: 1578

List Number: 2

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

List Creation: 11/17/21 12:45 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-1584-1

Laboratory Sample Delivery Group: 11220758

Client Project/Site: Madison Fee COM #1

**For:**

GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

Authorized for release by:

11/19/2021 4:25:06 PM

Chad Bechtold, Project Manager  
(813)690-3563

[chad.bechtold@eurofinset.com](mailto:chad.bechtold@eurofinset.com)

Designee for

Debbie Simmons, Project Manager  
(832)986-6768

[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)

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*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Laboratory Job ID: 890-1584-1  
SDG: 11220758

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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



## Case Narrative

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

**Job ID: 890-1584-1**

**Laboratory: Eurofins Xenco, Carlsbad**

### Narrative

#### Job Narrative 890-1584-1

#### Receipt

The samples were received on 11/17/2021 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 22.0°C

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BH-17 (890-1584-1) and BH-18 (890-1584-2). Evidence of matrix interference is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

Client Sample ID: BH-17

Lab Sample ID: 890-1584-1

Date Collected: 11/17/21 13:30

Matrix: Solid

Date Received: 11/17/21 15:45

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		11/18/21 09:46	11/18/21 17:56	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		11/18/21 09:46	11/18/21 17:56	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		11/18/21 09:46	11/18/21 17:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		11/18/21 09:46	11/18/21 17:56	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		11/18/21 09:46	11/18/21 17:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		11/18/21 09:46	11/18/21 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/18/21 09:46	11/18/21 17:56	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/18/21 09:46	11/18/21 17:56	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			11/19/21 13:44	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.9	J	49.9	15.0	mg/Kg			11/19/21 13:54	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		11/18/21 12:34	11/18/21 13:56	1
Diesel Range Organics (Over C10-C28)	16.9	J	49.9	15.0	mg/Kg		11/18/21 12:34	11/18/21 13:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		11/18/21 12:34	11/18/21 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	11/18/21 12:34	11/18/21 13:56	1
o-Terphenyl	145	S1+	70 - 130	11/18/21 12:34	11/18/21 13:56	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.8		4.95	0.850	mg/Kg			11/18/21 16:28	1

Client Sample ID: BH-18

Lab Sample ID: 890-1584-2

Date Collected: 11/17/21 13:45

Matrix: Solid

Date Received: 11/17/21 15:45

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		11/18/21 09:46	11/18/21 18:16	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		11/18/21 09:46	11/18/21 18:16	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		11/18/21 09:46	11/18/21 18:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		11/18/21 09:46	11/18/21 18:16	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		11/18/21 09:46	11/18/21 18:16	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		11/18/21 09:46	11/18/21 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	11/18/21 09:46	11/18/21 18:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/18/21 09:46	11/18/21 18:16	1

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## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

Client Sample ID: BH-18

Lab Sample ID: 890-1584-2

Date Collected: 11/17/21 13:45

Matrix: Solid

Date Received: 11/17/21 15:45

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			11/19/21 13:44	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.8	J	49.8	14.9	mg/Kg			11/19/21 13:54	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		11/18/21 12:34	11/18/21 14:17	1
Diesel Range Organics (Over C10-C28)	15.8	J	49.8	14.9	mg/Kg		11/18/21 12:34	11/18/21 14:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		11/18/21 12:34	11/18/21 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				11/18/21 12:34	11/18/21 14:17	1
o-Terphenyl	154	S1+	70 - 130				11/18/21 12:34	11/18/21 14:17	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.73		4.96	0.851	mg/Kg			11/18/21 16:33	1

## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1584-1	BH-17	94	107
890-1584-2	BH-18	102	103
LCS 880-12502/1-A	Lab Control Sample	98	100
LCSD 880-12502/2-A	Lab Control Sample Dup	93	99
MB 880-12502/5-A	Method Blank	110	96
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1584-1	BH-17	119	145 S1+
890-1584-2	BH-18	124	154 S1+
LCS 880-12639/2-A	Lab Control Sample	90	86
LCSD 880-12639/3-A	Lab Control Sample Dup	129	126
MB 880-12639/1-A	Method Blank	98	114
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12502/5-A

Matrix: Solid

Analysis Batch: 12628

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/18/21 09:46	11/18/21 14:48	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/18/21 09:46	11/18/21 14:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/18/21 09:46	11/18/21 14:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/18/21 09:46	11/18/21 14:48	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/18/21 09:46	11/18/21 14:48	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/18/21 09:46	11/18/21 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/18/21 09:46	11/18/21 14:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/18/21 09:46	11/18/21 14:48	1

Lab Sample ID: LCS 880-12502/1-A

Matrix: Solid

Analysis Batch: 12628

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09913		mg/Kg		99	70 - 130
Toluene	0.100	0.08828		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09088		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1749		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08769		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-12502/2-A

Matrix: Solid

Analysis Batch: 12628

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12502

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09879		mg/Kg		99	70 - 130	0	35
Toluene	0.100	0.08639		mg/Kg		86	70 - 130	2	35
Ethylbenzene	0.100	0.08966		mg/Kg		90	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1723		mg/Kg		86	70 - 130	2	35
o-Xylene	0.100	0.08615		mg/Kg		86	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Eurofins Xenco, Carlsbad



## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-12639/1-A

Matrix: Solid

Analysis Batch: 12608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/18/21 12:34	11/18/21 11:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/18/21 12:34	11/18/21 11:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/18/21 12:34	11/18/21 11:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/18/21 12:34	11/18/21 11:19	1
o-Terphenyl	114		70 - 130				11/18/21 12:34	11/18/21 11:19	1

Lab Sample ID: LCS 880-12639/2-A

Matrix: Solid

Analysis Batch: 12608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	833.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	90		70 - 130				
o-Terphenyl	86		70 - 130				

Lab Sample ID: LCSD 880-12639/3-A

Matrix: Solid

Analysis Batch: 12608

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12639

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	906.7		mg/Kg		91	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	933.1		mg/Kg		93	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	129		70 - 130						
o-Terphenyl	126		70 - 130						

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12637/1-A

Matrix: Solid

Analysis Batch: 12641

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			11/18/21 14:55	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-12637/2-A

Matrix: Solid

Analysis Batch: 12641

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	241.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-12637/3-A

Matrix: Solid

Analysis Batch: 12641

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	242.2		mg/Kg		97	90 - 110	0	20

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## GC VOA

## Prep Batch: 12502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Total/NA	Solid	5035	
890-1584-2	BH-18	Total/NA	Solid	5035	
MB 880-12502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 12628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Total/NA	Solid	8021B	12502
890-1584-2	BH-18	Total/NA	Solid	8021B	12502
MB 880-12502/5-A	Method Blank	Total/NA	Solid	8021B	12502
LCS 880-12502/1-A	Lab Control Sample	Total/NA	Solid	8021B	12502
LCSD 880-12502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12502

## Analysis Batch: 12779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Total/NA	Solid	Total BTEX	
890-1584-2	BH-18	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 12608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Total/NA	Solid	8015B NM	12639
890-1584-2	BH-18	Total/NA	Solid	8015B NM	12639
MB 880-12639/1-A	Method Blank	Total/NA	Solid	8015B NM	12639
LCS 880-12639/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12639
LCSD 880-12639/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12639

## Prep Batch: 12639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Total/NA	Solid	8015NM Prep	
890-1584-2	BH-18	Total/NA	Solid	8015NM Prep	
MB 880-12639/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12639/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12639/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Total/NA	Solid	8015 NM	
890-1584-2	BH-18	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 12637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Soluble	Solid	DI Leach	
890-1584-2	BH-18	Soluble	Solid	DI Leach	
MB 880-12637/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12637/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12637/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

## HPLC/IC

## Analysis Batch: 12641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1584-1	BH-17	Soluble	Solid	300.0	12637
890-1584-2	BH-18	Soluble	Solid	300.0	12637
MB 880-12637/1-A	Method Blank	Soluble	Solid	300.0	12637
LCS 880-12637/2-A	Lab Control Sample	Soluble	Solid	300.0	12637
LCSD 880-12637/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12637

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

Client Sample ID: BH-17

Lab Sample ID: 890-1584-1

Date Collected: 11/17/21 13:30

Matrix: Solid

Date Received: 11/17/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	12502	11/18/21 09:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12628	11/18/21 17:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12779	11/19/21 13:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/19/21 13:54	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	12639	11/18/21 12:34	AM	XEN MID
Total/NA	Analysis	8015B NM		1			12608	11/18/21 13:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	12637	11/18/21 12:27	SC	XEN MID
Soluble	Analysis	300.0		1			12641	11/18/21 16:28	CH	XEN MID

Client Sample ID: BH-18

Lab Sample ID: 890-1584-2

Date Collected: 11/17/21 13:45

Matrix: Solid

Date Received: 11/17/21 15:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	12502	11/18/21 09:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12628	11/18/21 18:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12779	11/19/21 13:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/19/21 13:54	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	12639	11/18/21 12:34	AM	XEN MID
Total/NA	Analysis	8015B NM		1			12608	11/18/21 14:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	12637	11/18/21 12:27	SC	XEN MID
Soluble	Analysis	300.0		1			12641	11/18/21 16:33	CH	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



## Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

### Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

## Method Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1584-1  
SDG: 11220758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1584-1	BH-17	Solid	11/17/21 13:30	11/17/21 15:45
890-1584-2	BH-18	Solid	11/17/21 13:45	11/17/21 15:45

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Service Center - San Antonio, Texas (210-509-3334) www.xenco.com Xenco Quote # Xenco Job #

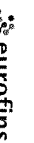
Client / Reporting Information				Project Information				Analytical Information				Matrix Codes						
Company Name / Branch: GHD/Midland Company Address: 2135 S. Loop 250 West Midland TX				Project Name/Number: Madison Fee COM #1 / 11220758 Project Location: <b>Eddy County, New Mexico</b> Invoice To: EOG / James Kennedy														
Email: becky.haskell@ghd.com Phone No.: (432) 250-7917 Matthew.laughlin@ghd.com Zach.comino@ghd.com james.kennedy@eogresources.com tom.larson@ghd.com				PO Number: NA														
Project Contact: Becky Haskell / Glenn Quinney																		
Sampler's Name Zach Comino																		
No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	NaHSO <sub>4</sub>	MeOH	NONE	TPH By 8015 Mod (GRO, DRO & MRO)	BTEX 8021 B	Chloride 600	Field Comments
1	BA-17		11/21	1530	S	1									X	X	X	
2	GH-18			1545	L										X	X	X	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
Turnaround Time (Business days)				Data Deliverable Information														
<input checked="" type="checkbox"/> Same Day TAT <input checked="" type="checkbox"/> 5 Day TAT				<input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level IV (Full Data Pkg / raw data)														
<input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> TRRP Level IV														
<input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> UST / RG-411														
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist														
TAT Starts Day received by Lab, if received by 5:00 pm				Report MDLs and J values.														
Relinquished by Sampler:				SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY														
Date Time: 11/22/2011				Received By: [Signature]														
Relinquished by:				Date Time: 11/22/2011														
Date Time: 11/22/2011				Received By: [Signature]														
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Eurofins Xenco, Carlsbad

1089 N Canal St  
Carlsbad, NM 88220  
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing  
America

<b>Client Information (Sub Contract Lab)</b>		Sampler	Lab PM	Carrier Tracking No(s)		COC No
Client Contact	Phone	Simmons Debbie		State of Origin		890-512-1
Shipping/Receiving	E-Mail	debbie.simmons@eurofins.com		New Mexico		Page 1 of 1
Company	Eurofins Xenco		Accreditations Required (See note)		Job #	
Address	11/19/2021		NELAP - Louisiana, NELAP - Texas		890-1584-1	
City	TAT Requested (days)		<b>Analysis Requested</b>			
Midland	11/19/2021					
State Zip:						
TX 79701	PO #					
Phone:	WVO #:					
432-704-5440(Tel)						
Email	Project #					
	88000221					
Project Name:	SSOW#:					
Madison Fee COM #1 /						
Site						
<b>Sample Identification - Client ID (Lab ID)</b>			<b>Field Filtered Sample (Yes or No)</b>			
	<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=grab)</b>	<b>Matrix (W=water, S=solid, O=wastewater, BT=trace, A=air)</b>	<b>Perform MS/MSD (Yes or No)</b>	
BH-17 (890-1584-1)	11/17/21	13 30		Solid	8015MOD_NM/8015NM_S_Prep Full TPH - NM	
		Mountain			8021B/6036FP_Calc BTEX (bulk jar/FP prep)	
BH-18 (890-1584-2)	11/17/21	13 45		Solid	300_ORGFM_28D/DI_LEACH Chloride	
					8015MOD_Calc	
					Total_BTEX_GCV	
					Total Number of containers	
					Special Instructions/Note:	
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.						
<b>Possible Hazard Identification</b>			<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>			
Uncollected			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested I II III IV Other (specify)			Special Instructions/QC Requirements			
Empty Kit Relinquished by			Date		Time	
Relinquished by			Date/Time		Date/Time	
Relinquished by			Date/Time		Date/Time	
Relinquished by			Date/Time		Date/Time	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No		Cooler Temperature(s) °C and Other Remarks.	



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ICOC No: 890-512

Containers  
Count 2  
Container Type Soil jar 4oz

Preservative  
None

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1584-1

SDG Number: 11220758

Login Number: 1584

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1584-1

SDG Number: 11220758

Login Number: 1584

List Number: 2

Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland

List Creation: 11/18/21 01:18 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-1607-1  
Laboratory Sample Delivery Group: 11220758  
Client Project/Site: Madison Fee COM #1

For:  
GHD Services Inc.  
2135 South Loop 250 West  
Midland, Texas 79703

Attn: Becky Haskell

A handwritten signature in dark ink, reading "Chad A. Bechtold".

Authorized for release by:  
11/23/2021 1:03:27 PM  
Chad Bechtold, Project Manager  
(813)690-3563  
[chad.bechtold@eurofinset.com](mailto:chad.bechtold@eurofinset.com)

Designee for  
Debbie Simmons, Project Manager  
(832)986-6768  
[debbie.simmons@eurofinset.com](mailto:debbie.simmons@eurofinset.com)

#### LINKS

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results through  
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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Laboratory Job ID: 890-1607-1  
SDG: 11220758

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## Definitions/Glossary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



## Case Narrative

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

**Job ID: 890-1607-1**

**Laboratory: Eurofins Xenco, Carlsbad**

### Narrative

#### Job Narrative 890-1607-1

#### Receipt

The samples were received on 11/19/2021 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 14.0°C. The samples are considered acceptable since they were collected and submitted to the laboratory the same day on ice, and there was evidence that the cooling process had begun.

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

Client Sample ID: BH-1A

Lab Sample ID: 890-1607-1

Date Collected: 11/19/21 08:10

Matrix: Solid

Date Received: 11/19/21 08:40

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000401	J	0.00199	0.000383	mg/Kg		11/22/21 10:00	11/22/21 14:49	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		11/22/21 10:00	11/22/21 14:49	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		11/22/21 10:00	11/22/21 14:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		11/22/21 10:00	11/22/21 14:49	1
o-Xylene	0.00101	J	0.00199	0.000343	mg/Kg		11/22/21 10:00	11/22/21 14:49	1
Xylenes, Total	0.00101	J	0.00398	0.00101	mg/Kg		11/22/21 10:00	11/22/21 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/22/21 10:00	11/22/21 14:49	1
1,4-Difluorobenzene (Surr)	82		70 - 130	11/22/21 10:00	11/22/21 14:49	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00141	J	0.00398	0.00101	mg/Kg			11/22/21 16:47	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			11/19/21 13:54	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/22/21 08:30	11/22/21 15:02	1
o-Terphenyl	122		70 - 130				11/22/21 08:30	11/22/21 15:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.05	0.867	mg/Kg			11/22/21 14:47	1

Client Sample ID: SW-1A

Lab Sample ID: 890-1607-2

Date Collected: 11/19/21 08:20

Matrix: Solid

Date Received: 11/19/21 08:40

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		11/22/21 10:00	11/22/21 15:09	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		11/22/21 10:00	11/22/21 15:09	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		11/22/21 10:00	11/22/21 15:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		11/22/21 10:00	11/22/21 15:09	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		11/22/21 10:00	11/22/21 15:09	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		11/22/21 10:00	11/22/21 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/22/21 10:00	11/22/21 15:09	1
1,4-Difluorobenzene (Surr)	119		70 - 130	11/22/21 10:00	11/22/21 15:09	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

Client Sample ID: SW-1A

Lab Sample ID: 890-1607-2

Date Collected: 11/19/21 08:20

Matrix: Solid

Date Received: 11/19/21 08:40

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			11/22/21 16:47	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			11/19/21 13:54	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/22/21 08:30	11/22/21 15:24	1
o-Terphenyl	126		70 - 130				11/22/21 08:30	11/22/21 15:24	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.9		4.97	0.853	mg/Kg			11/22/21 14:57	1

## Surrogate Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1607-1	BH-1A	97	82
890-1607-2	SW-1A	124	119
LCS 880-12797/1-A	Lab Control Sample	93	76
LCSD 880-12797/2-A	Lab Control Sample Dup	106	96
MB 880-12797/5-A	Method Blank	108	90
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1607-1	BH-1A	109	122
890-1607-2	SW-1A	109	126
LCS 880-12847/2-A	Lab Control Sample	108	114
LCSD 880-12847/3-A	Lab Control Sample Dup	97	106
MB 880-12847/1-A	Method Blank	132 S1+	148 S1+
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12797/5-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		11/22/21 10:00	11/22/21 13:46	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		11/22/21 10:00	11/22/21 13:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/22/21 10:00	11/22/21 13:46	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/22/21 10:00	11/22/21 13:46	1

Lab Sample ID: LCS 880-12797/1-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08334		mg/Kg		83	70 - 130
Toluene	0.100	0.08700		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08508		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1602		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08475		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	76		70 - 130

Lab Sample ID: LCSD 880-12797/2-A

Matrix: Solid

Analysis Batch: 12903

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08320		mg/Kg		83	70 - 130	0	35
Toluene	0.100	0.09312		mg/Kg		93	70 - 130	7	35
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1878		mg/Kg		94	70 - 130	16	35
o-Xylene	0.100	0.09218		mg/Kg		92	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-12847/1-A

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 10:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 10:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		11/22/21 08:30	11/22/21 10:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				11/22/21 08:30	11/22/21 10:19	1
o-Terphenyl	148	S1+	70 - 130				11/22/21 08:30	11/22/21 10:19	1

Lab Sample ID: LCS 880-12847/2-A

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	861.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-12847/3-A

Matrix: Solid

Analysis Batch: 12853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	837.9		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	106		70 - 130						

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12494/1-A

Matrix: Solid

Analysis Batch: 12948

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			11/22/21 09:56	1

Eurofins Xenco, Carlsbad



## QC Sample Results

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-12494/2-A

Matrix: Solid

Analysis Batch: 12948

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	255.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-12494/3-A

Matrix: Solid

Analysis Batch: 12948

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	256.0		mg/Kg		102	90 - 110	0	20

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## GC VOA

## Prep Batch: 12797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Total/NA	Solid	5035	
890-1607-2	SW-1A	Total/NA	Solid	5035	
MB 880-12797/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12797/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12797/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 12903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Total/NA	Solid	8021B	12797
890-1607-2	SW-1A	Total/NA	Solid	8021B	12797
MB 880-12797/5-A	Method Blank	Total/NA	Solid	8021B	12797
LCS 880-12797/1-A	Lab Control Sample	Total/NA	Solid	8021B	12797
LCSD 880-12797/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12797

## Analysis Batch: 12945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Total/NA	Solid	Total BTEX	
890-1607-2	SW-1A	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Total/NA	Solid	8015 NM	
890-1607-2	SW-1A	Total/NA	Solid	8015 NM	

## Prep Batch: 12847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Total/NA	Solid	8015NM Prep	
890-1607-2	SW-1A	Total/NA	Solid	8015NM Prep	
MB 880-12847/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12847/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 12853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Total/NA	Solid	8015B NM	12847
890-1607-2	SW-1A	Total/NA	Solid	8015B NM	12847
MB 880-12847/1-A	Method Blank	Total/NA	Solid	8015B NM	12847
LCS 880-12847/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12847
LCSD 880-12847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12847

## HPLC/IC

## Leach Batch: 12494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Soluble	Solid	DI Leach	
890-1607-2	SW-1A	Soluble	Solid	DI Leach	
MB 880-12494/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12494/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12494/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

## HPLC/IC

## Analysis Batch: 12948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1607-1	BH-1A	Soluble	Solid	300.0	12494
890-1607-2	SW-1A	Soluble	Solid	300.0	12494
MB 880-12494/1-A	Method Blank	Soluble	Solid	300.0	12494
LCS 880-12494/2-A	Lab Control Sample	Soluble	Solid	300.0	12494
LCSD 880-12494/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12494

## Lab Chronicle

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

Client Sample ID: BH-1A

Lab Sample ID: 890-1607-1

Date Collected: 11/19/21 08:10

Matrix: Solid

Date Received: 11/19/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 14:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/19/21 13:54	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10 g	10 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	12494	11/22/21 08:05	CA	XEN MID
Soluble	Analysis	300.0		1			12948	11/22/21 14:47	SC	XEN MID

Client Sample ID: SW-1A

Lab Sample ID: 890-1607-2

Date Collected: 11/19/21 08:20

Matrix: Solid

Date Received: 11/19/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	12797	11/22/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12903	11/22/21 15:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/22/21 16:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/19/21 13:54	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10 g	10 mL	12847	11/22/21 08:30	AJ	XEN MID
Total/NA	Analysis	8015B NM		1			12853	11/22/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	12494	11/22/21 08:05	CA	XEN MID
Soluble	Analysis	300.0		1			12948	11/22/21 14:57	SC	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

## Method Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



## Sample Summary

Client: GHD Services Inc.  
Project/Site: Madison Fee COM #1

Job ID: 890-1607-1  
SDG: 11220758

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1607-1	BH-1A	Solid	11/19/21 08:10	11/19/21 08:40
890-1607-2	SW-1A	Solid	11/19/21 08:20	11/19/21 08:40

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**Service Center - San Antonio, Texas (210-509-3334)**

# CHAIN OF CUSTODY

**Lakeland, Florida (863-646-8526)**

Released to Imaging: 9/13/2022 2:25:32 PM

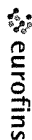
Eurofins Xenco, Carlsbad

1089 N Canal St.

Carlsbad, NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

## Chain of Custody Record



## Environment Testing America

[illegible]

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1607-1

SDG Number: 11220758

Login Number: 1607

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1607-1

SDG Number: 11220758

Login Number: 1607

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland

List Creation: 11/22/21 08:09 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2/4.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

# Attachment E

## Approved C-138 and Disposal Manifests



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
Revised August 1, 2011

\*Surface Waste Management Facility Operator  
and Generator shall maintain and make this  
documentation available for Division inspection.

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

<b>1. Generator Name and Address: EOG Resources</b> <b>5509 Champions Drive</b> <b>Midland, TX 79706</b>	
<b>2. Originating Site: EOG Madison 1 Fee Com #1</b>	
<b>3. Location of Material (Street Address, City, State or ULSTR):</b> <b>32.423508 -104.147116 E-1-22S-27E</b>	
<b>4. Source and Description of Waste: Crude oil impacted soil</b>	
Estimated Volume <u>TBD</u> yd <sup>3</sup> / bbls    Known Volume (to be entered by the operator at the end of the haul) _____ yd <sup>3</sup> / bbls	
<b>5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS</b> I, <u>Rebecca Haskell</u> , representative or authorized agent for <u>EOG Resources</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)  <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load  <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)  <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4)	
<b>GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS</b> I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
<b>5. Transporter:</b>  SDR	

### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Lea Land, LLC    Permit #: WM-1-035

Address of Facility: MM 64 Hwy 62/180 East, Carlsbad, NM 88220

Method of Treatment and/or Disposal:

☐ Evaporation    ☐ Injection    ☐ Treating Plant    ☐ Landfarm    ☒ Landfill    ☐ Other

### Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Shelly Denton

TITLE: Manager

DATE: 11-16-21

SIGNATURE: Shelly Denton  
 Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 405-236-4257

## LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

## NON-HAZARDOUS WASTE MANIFEST

NO 148079

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

029

GENERATOR'S CERTIFICATION

3. COMPANY NAME

F&amp;G Resources

4. ADDRESS

5509 Champion Dr.

CITY

STATE

ZIP

5. PICK-UP DATE

11/16/2021

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Midland

TX.

8. COMMODITIES

No.

Type

9. TOTAL QUANTITY

10. UNIT Wt/Vol.

11. TEXAS WASTE ID #

a.

b. Non-Regulated, Non Hazardous Waste

1

CM

Y

c.

d.

WT

44960

50320

48960

12. COMMENTS OR SPECIAL INSTRUCTIONS:

MADISON FEE COM #1

13. WASTE PROFILE NO.

TO 144240

14.

## IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4040

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

CO. MAN. JAMES KENNEDY  
16. TRANSPORTER (1)

NAME:

TEXAS I.D. NO.

SDR ENTERPRISES

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

SHANNON RUSK

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Cleo Luna

SIGNATURE

Cleo Luna

DATE

11/16/2021

17.

## TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

DISPOSAL FACILITY

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Santos

CELL NO.

DATE

TIME

9:40

GENERATOR: COPIES 1 &amp; 6

DISPOSAL SITE: COPIES 2 &amp; 3

11/16/2021

TRANSPORTERS: COPIES 4 &amp; 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148089**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **1745**

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3. COMPANY NAME

**E.O.G Resources**  
PHONE NO.

**(432) 886-3705**

4. ADDRESS

**5508 Champion Dr.**

CITY

STATE

ZIP

**Midland**

**TX**

**79706**

5. PICK-UP DATE

**11/18/2021**

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

a. **Non-Regulated, Non Hazardous Waste**

**1**

**CM**

**Y**

b.

c.

d. WT **38370 38120**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**MADISON FEE COM # 1**

13. WASTE PROFILE NO.

**TO 76440**

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS**

**575-887-4048**

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

CO. MAN: **JAMES KENNEDY**

16. **TRANSPORTER (1)**

NAME:

**SDR ENTERPRISES**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

**SHANNON RUSK**

EMERGENCY PHONE:

**(575) 441-7330**

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

**Elo Andujar**

SIGNATURE

**Elo Andujar**

DATE

**11/18/2021**

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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PERMIT NO.

**WM-01-035 - New Mexico**

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**

PHONE:

**575-887-4048**

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

**Antes Montalvz**

CELL NO.

DATE

**11/18/2021**

TIME

**11:45**

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148092**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **038**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G Resources</b>		4. ADDRESS <b>5508 Champion Dr.</b>		5. PICKUP DATE <b>11/16/2021</b>			
	PHONE NO. <b>(432) 886-3705</b>		CITY <b>Midland</b>	STATE <b>TX</b>	ZIP <b>79706</b>	6. TNRC I.D. NO.		
	7. NAME OR DESCRIPTION OF WASTE SHIPPED: a. <b>Non-Regulated, Non Hazardous Waste</b>			8. CONTAINERS No. <b>1</b>	Type <b>CM</b>	9. TOTAL QUANTITY	10. UNIT Wt/Vol. <b>Y</b>	11. TEXAS WASTE ID #
	b. c. d. <b>WT : 40180</b>							
T R A N S P O R T E R  S	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MADISON FEE COM # 1</b>					13. WASTE PROFILE NO.		
	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>							
	NAME <b>JOE ONTIVEROS</b>		PHONE NO <b>575-887-4048</b>		24-HOUR EMERGENCY NO.			
	15. <b>GENERATOR'S CERTIFICATION:</b> I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC							
D I S P O S I T A R Y	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>			SIGNATURE		DATE		
	16. <b>TRANSPORTER (1)</b>			17. <b>TRANSPORTER (2)</b>				
	NAME: <b>SDR ENTERPRISES</b>			NAME:				
	TEXAS I.D. NO.			TEXAS I.D. NO.				
IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b>			IN CASE OF EMERGENCY CONTACT:					
EMERGENCY PHONE: <b>(575) 441-7330</b>			EMERGENCY PHONE:					
18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material			19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material					
PRINTED/TYPED NAME: <b>Stephen Mayes</b>			PRINTED/TYPED NAME					
SIGNATURE: <b>Stephen Mayes</b> DATE <b>11/16/2021</b>			SIGNATURE DATE					
Lea Land, LLC		ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>		PHONE: <b>575-887-4048</b>				
PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS						
21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.								
AUTHORIZED SIGNATURE <b>Santos Gonzalez</b>		CELL NO.		DATE <b>11/16/2021</b>	TIME <b>35</b>			

GENERATOR: COPIES 1 &amp; 6

DISPOSAL SITE: COPIES 2 &amp; 3

TRANSPORTERS: COPIES 4 &amp; 5

**LEA LAND DISPOSAL SITE NEW MEXICO**

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

**LEA LAND, LLC**

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

**NON-HAZARDOUS WASTE MANIFEST**NO **148093**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **D43**G  
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3. COMPANY NAME

**E.O.G Resources**

PHONE NO.

**(432) 888-3705**

4. ADDRESS

**5500 Champion Dr.**

CITY

STATE

ZIP

**Midland****TX****79706**

5. PICKUP DATE

**11/16/2021**

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. **Non-Regulated, Non Hazardous Waste**

b.

c.

d. WT: **30740**8. CONTAINERS  
No. Type**1****CM**9. TOTAL  
QUANTITY10. UNIT  
Wt/Vol.**Y**11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**MADISON FEE COM # 1**

13. WASTE PROFILE NO.

**14. IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS****575-887-4048****15. GENERATOR'S CERTIFICATION:** I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

**CO. MAN: JAMES KENNEDY**T  
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S**16. TRANSPORTER (1)**

NAME:

**SDR ENTERPRISES**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

**SHANNON RUSK**

EMERGENCY PHONE:

**(575) 441-7330****18. TRANSPORTER (1):** Acknowledgment of receipt of materialPRINTED/TYPED NAME **Max Carrasco I**SIGNATURE **Max Carrasco I** DATE **11/16/2021****17. TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

**19. TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

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Y**Lea Land, LLC**

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**

PHONE:

**575-887-4048**

PERMIT NO.

**WM-01-035 - New Mexico**

20. COMMENTS

**21. DISPOSAL FACILITY'S CERTIFICATION:** I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

**Ante****Monzalez****11/16/2021****1:35**

GENERATOR: COPIES 1 &amp; 6

DISPOSAL SITE: COPIES 2 &amp; 3

TRANSPORTERS: COPIES 4 &amp; 5

**LEA LAND DISPOSAL SITE NEW MEXICO**

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

**LEA LAND, LLC**

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

**NON-HAZARDOUS WASTE MANIFEST**NO **148094**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **052**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G Resources</b>		4. ADDRESS <b>3508 Champion Dr.</b>		5. PICKUP DATE <b>11/16/2021</b>			
	PHONE NO. <b>(432) 886-3705</b>		CITY <b>Midland</b>	STATE <b>TX</b>	ZIP <b>79706</b>	6. TNRCC I.D. NO.		
	7. NAME OR DESCRIPTION OF WASTE SHIPPED: a. <b>Non-Regulated, Non Hazardous Waste</b>			8. CONTAINERS No. <b>1</b>	Type <b>CM</b>	9. TOTAL QUANTITY	10. UNIT Wt/Vol. <b>Y</b>	11. TEXAS WASTE ID #
	b. c. d. <b>WT: 38620</b>							
T R A N S P O R T E R S	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MADISON FEE COM # 1</b>					13. WASTE PROFILE NO.		
	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>							
	NAME <b>JOE ONTIVEROS</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO.			
	15. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC							
D I S P O S I T A L Y	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>			SIGNATURE		DATE		
	16. <b>TRANSPORTER (1)</b>			17. <b>TRANSPORTER (2)</b>				
	NAME: <b>SDR ENTERPRISES</b>			NAME:				
	TEXAS I.D. NO.			TEXAS I.D. NO.				
IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b>			IN CASE OF EMERGENCY CONTACT:					
EMERGENCY PHONE: <b>(575) 441-7330</b>			EMERGENCY PHONE:					
18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material			19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material					
PRINTED/TYPED NAME: <b>Jaycob Rosales</b>			PRINTED/TYPED NAME					
SIGNATURE: <b>[Signature]</b>			SIGNATURE					
DATE: <b>11/16/2021</b>			DATE					
Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048				
PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS						
21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.								
AUTHORIZED SIGNATURE <b>[Signature]</b>		CELL NO.		DATE <b>11/16/2021</b>	TIME <b>2:25</b>			

GENERATOR: COPIES 1 &amp; 6

DISPOSAL SITE: COPIES 2 &amp; 3

TRANSPORTERS: COPIES 4 &amp; 5



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148111**

1. PAGE \_\_\_\_ OF \_\_\_\_

2. TRAILER NO. **052**

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3. COMPANY NAME

**E.O.G Resources**  
PHONE NO.

**(432) 886-3705**

4. ADDRESS

**5508 Champion Dr.**

CITY

STATE

ZIP

**Midland**

**TX**

**79708**

5. PICK-UP DATE

**11/17/2021**

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. **Non-Regulated, Non Hazardous Waste**

b. **41520**

c.

d. WT. **36020 4320 38520**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**MADISON "1" FEE COM #1**

**TC 157380**

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS**

**575-887-4048**

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

**CO. MAN: JAMES KENNEDY**

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16. **TRANSPORTER (1)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

**SHANNON RUSK**

**(575) 441-7336**

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME **Jaycob Rosales**

SIGNATURE **X**

DATE

**11/17/2021**

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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**Lea Land, LLC**

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**

PHONE:

**575-887-4048**

PERMIT NO.

**WM-01-035 - New Mexico**

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

**Antonio Gonzalez**

**/**

**11/17/2021**

**8:40**

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

## LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

## NON-HAZARDOUS WASTE MANIFEST

NO 148112

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

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3. COMPANY NAME

E.O.G Resources

PHONE NO.

(432) 686-3705

4. ADDRESS

5509 S. Champion Dr.

CITY

Midland

STATE

TX.

ZIP

79708

5. PICKUP DATE

11/17/2021

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non Hazardous Waste

b. 42440

c.

d. WT: 42940

40940

40020

12. COMMENTS OR SPECIAL INSTRUCTIONS:

MADISON "1" FEE COM # 1

TC 1116340

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

JOE ONTIVEROS

PHONE NO

575-887-4048

24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

CO. MAN: JAMES KENNEDY

SIGNATURE

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16. TRANSPORTER (1)

NAME:

SDR ENTERPRISES

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: SHANNON RUSK

EMERGENCY PHONE:

(575) 441-7330

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Max Carrasco

SIGNATURE

Max Carrasco

DATE

11/17/2021

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Santa Gonzalez

CELL NO.

DATE

11/17/2021

TIME

8:45

GENERATOR: COPIES 1 &amp; 6

DISPOSAL SITE: COPIES 2 &amp; 3

TRANSPORTERS: COPIES 4 &amp; 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148113**

I. PAGE      OF     

2. TRAILER NO. **045**

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3. COMPANY NAME

**E.O.G Resources**

PHONE NO.

**(432) 686-3705**

4. ADDRESS **5509 S. Champion Dr.**

CITY

**Midland**

STATE

**TX.**

ZIP

**79706**

5. PICKUP DATE

**11/17/2021**

6. TNRC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. **Non-Regulated, Non Hazardous Waste**

b. **41920**

c.

d. WT **37520 41050 41920**

8. CONTAINERS  
No. Type

**1**

**CM**

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

**Y**

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**MADISON "1" FEE COM # 1**

13. WASTE PROFILE NO.

**TC 1169610**

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14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS**

**575-887-4048**

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

**CO. MAN: JAMES KENNEDY**

SIGNATURE

DATE

16. **TRANSPORTER (1)**

NAME:

**SDR ENTERPRISES**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

**SHANNON RUSK**

EMERGENCY PHONE:

**(575) 441-7330**

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

**Eloy Andiso**

SIGNATURE

DATE

**11/17/2021**

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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**Lea Land, LLC**

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**

PHONE:

**575-887-4048**

PERMIT NO.

**WM-01-035 - New Mexico**

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

**Santa Gonzalez**

CELL NO.

DATE

**11/17/2021**

TIME

**8:50**

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO **148148**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **SDR 043**

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3. COMPANY NAME

**E.O.G Resources**  
PHONE NO.

**(432) 886-3705**

4. ADDRESS  
**5508 Champion Dr.**

CITY

STATE

ZIP

**Midland**

**TX.**

**79708**

5. PICK-UP DATE  
**11/18/2021**

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. **Non-Regulated, Non-Hazardous Waste**

b. **41180**

c.

d. WT **43920 45740 43560**

8. CONTAINERS  
No. Type

**1**

**CM**

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

**Y**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**MADISON "1" FEE COM # 1**

13. WASTE PROFILE NO.

**To 174,400**

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS**

**575-887-4048**

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

**CO. MAN: JAMES KENNEDY**

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16. TRANSPORTER (1)

NAME:

**SDR ENTERPRISES**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

**SHANNON RUSK**

EMERGENCY PHONE:

**(575) 441-7330**

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME **Max Carrasco**

SIGNATURE **Max Carrasco** DATE **11/18/2021**

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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Lea Land, LLC

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**

PHONE:

**575-887-4048**

PERMIT NO.

**WM-01-035 - New Mexico**

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

**Antonia Gonzalez**

**11/18/2021**

**8:50**

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148149**

1. PAGE      OF     

2. TRAILER NO. **D52**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G. Resources</b>		4. ADDRESS <b>5500 Champion Dr.</b>		5. PICK-UP DATE <b>11/18/2021</b>	
	PHONE NO. <b>(432) 686-3705</b>		CITY <b>Midland</b>	STATE <b>TX.</b>	ZIP <b>79706</b>	6. TNRCC I.D. NO.
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. Type	9. TOTAL QUANTITY
	a. <b>Non-Regulated, Non-Hazardous Waste</b>				1	CM
T R A N S P O R T E R S	b. <b>WT: 39880 36980 35520</b>				11. TEXAS WASTE ID #	
	c. <b>12. COMMENTS OR SPECIAL INSTRUCTIONS:</b> <b>MADISON "1" FEE COM #1</b>				13. WASTE PROFILE NO.	
	d. <b>TC 112,380</b>					
	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>					
D I S P O S I T Y	NAME <b>JOE ONTIVEROS</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO.	
	15. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>			SIGNATURE		DATE
	16. <b>TRANSPORTER (1)</b>			17. <b>TRANSPORTER (2)</b>		
D I S P O S I T Y	NAME: <b>SDR ENTERPRISES</b>			NAME:		
	TEXAS I.D. NO.			TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b>			IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: <b>(575) 441-7330</b>			EMERGENCY PHONE:		
D I S P O S I T Y	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material			19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material		
	PRINTED/TYPED NAME <b>Jaycob Rosales</b>			PRINTED/TYPED NAME		
	SIGNATURE <b>J-R-</b>			SIGNATURE		
	DATE <b>11/18/2021</b>			DATE		
D I S P O S I T Y	Lea Land, LLC		ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>		PHONE: <b>575-887-4048</b>	
	PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS			
	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE <b>[Signature]</b>		CELL NO.		DATE <b>11/18/2021</b>	TIME <b>10:11</b>

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148150**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **045**

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3. COMPANY NAME

**E.O.G Resources**  
PHONE NO.

**(432) 886-3705**

4. ADDRESS

**5509 Champion Dr.**

CITY

STATE

ZIP

**Midland**

**TX.**

**79708**

5. PICK-UP DATE

**11/18/2021**

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

a.

**Non Regulated, Non Hazardous Waste**

**1**

**CM**

**Y**

b.

**30,440**

c.

d.

**WT: 42130 40680 37820**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

**MADISON "1" FEE COM #1**

13. WASTE PROFILE NO.

**TC 157070**

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14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

**JOE ONTIVEROS**

**575-887-4048**

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

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PRINTED/TYPED NAME

SIGNATURE

DATE

**CO. MAN: JAMES KENNEDY**

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16. TRANSPORTER (1)

NAME:

**SDR ENTERPRISES**

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

**SHANNON RUSK**

EMERGENCY PHONE:

**(575) 441-7330**

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

**Eloy Andujar**

SIGNATURE

DATE

**11/18/2021**

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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**Lea Land, LLC**

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM**

PHONE:

**575-887-4048**

PERMIT NO.

**WM-01-035 - New Mexico**

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

**Santa Gonzalez**

CELL NO.

DATE

**11/18/2021**

TIME

**8:55**

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148185**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **045**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G Resources</b> PHONE NO. <b>(432) 898-3705</b>		4. ADDRESS <b>5509 Champion Dr.</b> CITY <b>Midland</b> STATE <b>TX.</b> ZIP <b>79706</b>		5. PICK-UP DATE <b>11/19/2021</b>	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type		9. TOTAL QUANTITY	
	a. <b>Non-Regulated, Non-Hazardous Waste</b>		1		CM	
	b. <b>41020</b>					
T R A N S P O R T E R S	c. <b>WT: 4DL80 43280 40920</b>					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MADISON "1" FEE COM # 1</b>		13. WASTE PROFILE NO. <b>TO 1165900</b>			
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME <b>JOE ONTIVEROS</b> PHONE NO <b>575-887-4048</b> 24-HOUR EMERGENCY NO.					
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
D I S P O S I T A R Y	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>		SIGNATURE		DATE	
	16. TRANSPORTER (1) NAME: <b>SDR ENTERPRISES</b> TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b> EMERGENCY PHONE: <b>(575) 441-7330</b>		17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME <b>Eloy Andujar</b> SIGNATURE <b>Eloy</b> DATE <b>11/19/2021</b>		19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE			
	ADDRESS: <b>Lea Land, LLC</b> Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: <b>575-887-4048</b>			
PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS				
21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
AUTHORIZED SIGNATURE <b>Donzalez</b>		CELL NO.		DATE <b>11/19/2021</b>		TIME <b>8:35</b>

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148186**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **043**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G Resources</b> PHONE NO. <b>(432) 888-3705</b>		4. ADDRESS <b>5508 Champion Dr.</b> CITY <b>Midland</b> STATE <b>TX</b> ZIP <b>79706</b>		5. PICK-UP DATE <b>11/19/2021</b>	
					6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type		9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. <b>Non-Regulated Non Hazardous Waste</b>		1		CM	
R E C E I V E R	b. <b>41120</b>					
	c.					
	d. WT: <b>39600 41840 41120</b>					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MADISON "1" FEE COM # 1</b>		13. WASTE PROFILE NO. <b>10 1123680</b>			
T R A N S P O R T E R	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME <b>JOE ONTIVEROS</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO.	
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>			SIGNATURE		DATE
D I S P O S I T Y	16. TRANSPORTER (1) NAME: <b>SDR ENTERPRISES</b> TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b> EMERGENCY PHONE: <b>(575) 441-7330</b>		17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME <b>Max Carrasco</b> SIGNATURE <b>Max Carrasco</b> DATE <b>11/19/2021</b>		19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME _____ SIGNATURE _____ DATE _____			
	ADDRESS: <b>Lea Land, LLC</b>		PHONE: <b>575-887-4048</b>			
	PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS			
21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
AUTHORIZED SIGNATURE <b>Santos Gonzalez</b>		CELL NO.		DATE <b>11/19/2021</b>		TIME <b>8:40</b>

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148187**

1. PAGE      OF     

2. TRAILER NO.

**052**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G Resources</b>		4. ADDRESS <b>5508 Champion Dr.</b>		5. PICKUP DATE <b>11/18/2021</b>	
	PHONE NO. <b>(432) 888-3705</b>		CITY <b>Midland</b>	STATE <b>TX.</b>	ZIP <b>79706</b>	6. TNRCC I.D. NO.
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type		9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. <b>Non-Regulated, Non-Hazardous Waste</b>		<b>1 CM</b>			<b>Y</b>
R E C E I V E R	b. <b>39120</b>					
	c.					
	d. <b>WT : 40080 39920 40080</b>					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MADISON "1" FEE COM # 1</b>		13. WASTE PROFILE NO. <b>TC 159,200</b>			
T R A N S P O R T E R	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME <b>JOE ONTIVEROS</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO.	
	15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>			SIGNATURE DATE		
D I S P O S I T Y	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
	NAME: <b>SDR ENTERPRISES</b>			NAME:		
	TEXAS I.D. NO.			TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b>			IN CASE OF EMERGENCY CONTACT:		
D I S P O S I T Y	EMERGENCY PHONE: <b>(575) 444-7330</b>			EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME <b>Jaycob Rosales</b>			PRINTED/TYPED NAME		
	SIGNATURE <b>[Signature]</b> DATE <b>11/19/2021</b>			SIGNATURE DATE		
D I S P O S I T Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS			
	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE <b>[Signature]</b>		CELL NO.		DATE <b>11/19/2021</b>	TIME <b>8:30</b>

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

### NON-HAZARDOUS WASTE MANIFEST

NO **148237**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **045**

G E N E R A T O R	3. COMPANY NAME <b>E.O.G Resources</b> PHONE NO. <b>(432) 888-3705</b>		4. ADDRESS <b>5508 Champion Dr.</b> CITY <b>Midland</b> STATE <b>TX.</b> ZIP <b>79706</b>		5. PICK-UP DATE <b>11/22/2021</b>	
			6. TNRCC I.D. NO.			
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS		9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. <b>Non Regulated, Non Hazardous Waste</b>		No. <b>1</b> Type <b>CM</b>			<b>Y</b>
T R A N S P O R T E R S	b. <b>415LD</b>					
	c. <b>WT: 35940 37400 44180</b>					
	d. <b>12. COMMENTS OR SPECIAL INSTRUCTIONS:</b> <b>MADISON "1" FEE COM #1 E 159080</b>		13. WASTE PROFILE NO.			
	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>					
D I S P O S I T Y	NAME <b>JOE ONTIVEROS</b>		PHONE NO <b>575-887-4048</b>		24-HOUR EMERGENCY NO.	
	15. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME <b>CO. MAN: JAMES KENNEDY</b>		SIGNATURE		DATE	
	16. <b>TRANSPORTER (1)</b>		17. <b>TRANSPORTER (2)</b>			
D I S P O S I T Y	NAME: <b>SDR ENTERPRISES</b>		NAME:			
	TEXAS I.D. NO.		TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT: <b>SHANNON RUSK</b>		IN CASE OF EMERGENCY CONTACT:			
	EMERGENCY PHONE: <b>(575) 441-7330</b>		EMERGENCY PHONE:			
D I S P O S I T Y	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material		19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material			
	PRINTED/TYPED NAME <b>Eloy Anduso</b>		PRINTED/TYPED NAME			
	SIGNATURE <b>Eloy</b> DATE <b>11/22/2021</b>		SIGNATURE DATE			
	20. COMMENTS					
D I S P O S I T Y	Lea Land, LLC		ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>		PHONE: <b>575-887-4048</b>	
	PERMIT NO. <b>WM-01-035 - New Mexico</b>					
	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE <b>[Signature]</b>		CELL NO.		DATE <b>11/22/2021</b>	TIME <b>9:40</b>

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

SDR

## NON-HAZARDOUS WASTE MANIFEST

NO **148238**

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **043**G  
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3. COMPANY NAME

E.O.G Resources  
PHONE NO.~~(432) 898-3705~~

4. ADDRESS

5500 Champion Dr.

CITY

STATE

ZIP

Midland

TX.

79706

5. PICKUP DATE

11/22/2021

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. ~~Non-Regulated, Non-Hazardous Waste~~

b.

c.

d. WT: **41540 45280 39860**8. CONTAINERS  
No. Type

1

CM

9. TOTAL  
QUANTITY10. UNIT  
Wt/Vol.11. TEXAS  
WASTE ID #

Y

12. COMMENTS OR SPECIAL INSTRUCTIONS:

MADISON "1" FEE COM # 1

13. WASTE PROFILE NO.

TC 121 de 80

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14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4048

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

CO. MAN: JAMES KENNEDY

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16. TRANSPORTER (1)

NAME:

SDR ENTERPRISES

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

SHANNON RUSK

EMERGENCY PHONE:

(575) 441-7330

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Max Carrasco

SIGNATURE

Max Carrasco

DATE

11/22/2021

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Dante Monzalez

CELL NO.

DATE

11/22/2021

TIME

9:50

GENERATOR: COPIES 1 &amp; 6

DISPOSAL SITE: COPIES 2 &amp; 3

TRANSPORTERS: COPIES 4 &amp; 5

**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 83985

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 83985
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	9/13/2022