2135 S. Loop 250 W, Midland, Texas 79703 United States www.ghd.com GHD 713

Our ref: 11220747

February 21, 2022

New Mexico Oil Conservation Division District 1 1625 N. French Drive Hobbs. New Mexico 88240

Re: Site Characterization and Remediation Work Plan

Flamenco Federal #1 Release Site

EOG Resources Inc.

RP #s: 1RP-2281, 1 RP-2784, 1RP-2790, 1RP-4800 and 1RP-4801

L-7-22S-32E, Lea County, New Mexico

To Whom It May Concern:

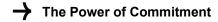
1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 1 Office. This Report provides documentation of delineation, sampling, and analyses in the affected area at the EOG Flamenco Federal #1 Release Site (Site). The Site is located in Unit Letter L Section 07 of Township 22 South and Range 32 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.40333 N latitude and 103.72034 W longitude. The release occurred on is managed by the Bureau of Land Management (BLM). Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figures 2 through 8. Groundwater conditions at the Site are fully presented under separate cover to the NMOCD in a February 9, 2022, GHD document "Groundwater Closure Request Report, Flamenco Federal #1 Release Site".

2. Background Information

2.1 Tin Horn Area Releases

- 1RP-2784 The C-141 stated the release was due to a water line connection failure within the tin horn.
 The release occurred on July 12, 2011 and resulted in 150 barrels of produced water being released. A
 vacuum truck was call and approximately 100 barrels of produced water was recovered. Yates
 Petroleum Corporation (Yates), the operator at the time, submitted an initial C-141 to the NMOCD on
 July 22, 2011.
- **1RP-2790** According to the initial C-141 the release was caused by a water line connection within the tin horn failing. The release occurred on October 21, 2011 and resulted in 275 barrels of produced



water being released. Approximately 260 barrels of produced water was recovered with the utilization of a vacuum truck. Yates submitted an initial C-141 to the NMOCD on November 2, 2011.

- **1RP-4800** The initial C-141 stated the release was due to a failure of the water line connection at the tin horn. The release resulted in the release of 200 barrels of produced water and occurred on June 12, 2013. Nothing was recovered. An initial C-141 was prepared and submitted to the NMOCD on January 31, 2014.
- **1RP-4801** According to the initial C-141 the release was due to a water line connection failure at the tin horn. The release occurred on August 4, 2013. The connection failure resulted in the release of 600 barrels of produced water with none being recovered. Yeats prepared and submitted an initial C-141 to the NMOCD on January 31, 2014.

The initial C-141s are provided as Attachment A.

During 2017 GHD oversaw the installation of twenty-seven (27) test pits in the area of the tin horn releases. The test pits were installed to depths ranging from ten (10) to twelve (12) feet below ground surface (bgs). Soil samples were collected from depths ranging from two (2) feet to twelve (12) feet bgs and were field screened for chloride concentrations. Additionally, two (2) soil borings SB-2 and SB-3 were installed from depths ranging from thirty (30) feet to fifty (50) feet bgs. Select soil samples were submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico were analyzed for chloride by EPA Method 300. Chloride concentrations ranged from non-detect to 9,000 mg/kg in TP-11 at ten (10) feet. Two samples, TP-5 at 10' and TP-8 at ten for were also analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8021B and total petroleum hydrocarbons (TPH) by Method 8015B Modified. The two (2) soil samples had BTEX and TPH concentration below the laboratory reporting limits. Many of the test pit locations were not fully delineated based on the groundwater information available at the time. Test pit and soil boring locations are depicted on Figure 2, Tin Horn Area Assessment Concentration Map Prior to 2021.

Test pit and soil boring locations along with analytical results from this earlier assessment are presented on Figure 2, Tin Horn Area Assessment Concentration Map Prior to 2021, Figure 4, Battery Area Assessment Concentration Map Prior to 2021, and On Table 1, Summary of Soil Analytical Data.

2.2 Battery Area Release

• 1RP-2281 – According to the initial C-141, lightning struck a 750 barrels fiberglass gun barrel tank which caused a release and fire to occur. Four other tanks that were on location were also destroyed. The fire department was called, and the main water line was shut in. Approximately 100 barrels of oil and 600 barrels of produced water were released with none being recovered. The release occurred on August 11, 2009. The C-141 also stated the fluids broke through the battery berm and released to the west of the battery, off pad. The tank battery at the time was located at the west end of the battery pad and was rebuilt on east end of the battery. Yates submitted an initial C-141 on August 20, 2009.

The initial C-141 for this release is provided as Attachment A.

During 2017 GHD oversaw the installation of sixty-three (63) test pits in the area of the battery area release. The test pits were installed to depths ranging from ten (10) to twenty (20) bgs. Soil samples were collected from depths ranging from two (2) feet to twenty (20) feet bgs and were field screened for chloride concentrations. Additionally, two (2) bore holes BH-40 and BH-41 were installed from depths ranging from twenty-seven to

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thirty (30) feet bgs. Select soil samples were submitted to HEAL in Albuquerque, New Mexico were analyzed for chloride by EPA Method 300. Chloride concentrations ranged from non-detect to 13,000 mg/kg in TP-59 at ten (10) feet. Many of the test pit locations were not fully delineated based on the groundwater information available at the time. Test pit and bore hole locations are depicted on Figure 4, Battery Area Assessment Concentration Map Prior to 2021.

Ten (10) soil borings were completed at the Site during 2018 in order to assess the vertical and horizontal extent of the chloride contaminated soil. Depths of the soil borings ranged from 25 to 65 ft bgs. A hard caliche layer was encountered in soil boring MW-5 at 25 ft bgs and it was terminated. Soil borings that did not encounter water were grouted. In five soil borings where perched produced water was encountered, a monitor well was installed. Monitor wells MW-1, MW-2 and MW-3 were installed in January 2018 by White Drilling Company, Inc. of Clyde, Texas and monitor wells MW-8 and MW-9 were installed in August 2018 by Authentic Drilling, Inc. of Castle Rock, Colorado. All borings were advanced utilizing an air rotary drill rig. Monitor well locations can be found on Figure 6, Surrounding Area Soil Boring Concentrations Map. Select soil samples were collected and submitted to HEAL in Albuquerque, New Mexico were analyzed for chloride by EPA Method 300. Chloride concentrations ranged from non-detect to 2,200 mg/kg in MW-1 at forty (40') bgs.

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).

On August 3 and August 5, 2021, Cascade drilling installed two depth to water soil borings, MW-10 and MW-11, respectively. The GPS coordinates for MW-10 are 32.404213 -103.719722 and MW-11 are 32.402393 -103.723122. MW-10 was gauged on August 8, 2021, and MW-11 was gauged on August 9, 2021, with an interface probe to determine the presence or absence of groundwater, no water was detected in either of the borings. The total depth was measured as 104.60 feet in MW-10 and 104.60 feet in MW-11, both borings were subsequently plugged. Depth to groundwater for this site is greater than one hundred (100) feet bgs. A more detailed assessment of groundwater conditions has been submitted to the NMOCD under separate cover in a February 9, 2022, GHD document "Groundwater Closure Request Report, Flamenco Federal #1 Release Site". No receptors (water wells, significant watercourses, playas, wetlands, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the site is located within an area with depth to groundwater greater than one hundred (100) feet bgs and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table 1 in NMAC 19.15.29.12 (Table 1). The Site characterization documentation (Boring logs for MW-10 and MW-11, Karst Potential, FEMA, Points of Diversion and Wetlands maps) are provided in Attachment B, Site Characterization Documentation. The soil boring logs and plugging reports are provided in Attachment C, GHD and Cascade Drilling Soil Boring Logs. The soil and closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft.)
Low Karst Area, No receptors found within Boundaries	>100 feet

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

Constituent	Limits
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
Benzene	10 mg/kg
BTEX	50 mg/kg

4. 2021 Delineation Assessment Summary and Findings

From July 25, 2021 to August 18, 2021, GHD Services Inc. (GHD) and Cascade Drilling (Cascade) installed thirty-eight (38) soil borings, SB-12 through SB-44, SB-21A, SB-21B, SB-21C, SB-27A, and SB-40A, within the suspected impacted Tin Horn and Tank Battery areas that were not fully delineated during the test pit assessments. Un-delineated test pits are depicted on Figure 4, Battery Area Assessment Concentration Map Prior to 2021, in blue. The soil borings were installed to depths ranging from fifteen (15) feet to eighty (80) feet bgs. Soil samples were collected every five feet and field screen for hydrocarbons utilizing a photoionization detector (PID) and chlorides utilizing Hach chloride strips. Select soil samples were submitted to Eurofins Xenco Environment testing in Carlsbad, New Mexico for analysis of BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

During the test pit assessments there were some test pits installed within an area believed to be the reserve pit from drilling operations. No soil borings were installed within this area as not to disturb the reserve pit. Further investigation within this area was not warranted as the reserve pit was closed under previous rules. The reserve pit location is depicted on Figure 4, Figure 5 and Figure 8.

Analytical results for the 2021 soil boring assessment indicated benzene, BTEX, TPH and chloride concentrations were below the Table 1 closure criteria for groundwater greater than one hundred (100) feet. The soil boring assessment was effective in site delineation of soil impacts. However, soil borings SB-12, SB-14, SB-15, SB-43, SB-21A, SB-35 and SB-37 exhibited chloride concentrations above NMAC 19.15.29.13, surface to four (4) feet below grade surface.

Figure 3, Tin Horn Area 2021 Soil Boring Concentration Map, and Figure 5, Battery Area 2021 Soil Boring Concentration Map, depict the locations of the soil borings and analytical concentrations. Analytical results are also provided in Table 1, Summary of Soil Analytical Data, and in the Laboratory Analytical Reports provided in Attachment E. GHD and Cascade Drilling Soil Boring Logs are provided as Attachment C. New Mexico State of Engineers Well Permits and BLM Sundry Notice are provided as Attachment D.

5. nAPP2115335335 Proposed Work Plan

5.1 Tin Horn Area Releases

Analytical results from the test pit assessments and the 2021 delineation assessment indicated benzene, BTEX, TPH and chloride concentrations were below the Table 1 closure criteria for groundwater greater

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than one hundred (100) feet. However, test pits TP-3, TP-5, TP-7, TP-11 and TP-12 and soil borings SB-12, SB-14, SB-15, and SB-43 exhibited chloride concentrations above NMAC 19.15.29.13, in the surface to four (4) feet below grade interval. The impacted area represented by these test pits and soil borings will be excavated to four (4) feet below surface. The proposed excavation area (Excavation Area 1) is displayed on Figure 7, Tin Horn Area Proposed Excavation Area.

If sidewall samples along the west wall and fence line of the excavation in the Tin Horn Area exhibit benzene, BTEX, TPH and/or chloride concentrations above NMAC 19.15.29.13, in the surface to four (4) feet below grade interval, a deferral will be requested for any impacts west of the fence line due to the close proximity to Campbell Road. Campbell Road is a paved, high traffic roadway. MW-11 was installed west of Campbell Road and didn't exhibit benzene, BTEX, TPH or chloride concentration above NMAC 19.15.29.13 and therefore, delineated impacts in that direction.

5.2 Battery Area Release

Analytical results from the test pit assessments and the 2021 delineation assessment indicated benzene, BTEX, TPH and chloride concentrations were below the Table 1 closure criteria for groundwater greater than one hundred (100) feet. However, test pit TP-24 and soil borings SB-35 and SB-37 exhibited chloride concentrations above NMAC 19.15.29.13, in the surface to four (4) feet below grade interval (Excavation Area 2). The area represented by soil borings SB-35 and SB-37 will be excavated to four (4) feet below surface. A second area around SB-21A, also exhibited chloride concentrations above regulatory levels in the surface to 4' bgs interval. This smaller area (Excavation Area 3) will be excavated to four feet below grade surface. The proposed excavation areas are displayed on Figure 8, Battery Area Proposed Excavation Area.

There is one test pit, TP-24, which exhibited chloride concentrations above NMAC 19.15.29.13, in the surface to four (4) feet below grade interval, however the area will not be excavated because it is located within the suspected reserve pit. Excavation within this area is not warranted as the reserve pit was closed under previous rules and the area should not be disturbed. The reserve pit location is depicted on Figure 4, Figure 5 and Figure 8.

Composite confirmation samples will be collected from the sidewalls of the excavation from areas representing areas no larger than two hundred (200) square feet. Discrete soil samples will be collected from the sidewalls of the excavation if any staining is observed. No confirmation samples will be collected from the bottom of the excavation due to the extensive delineation activities already conducted and the site being fully delineated. Additionally, there weren't any samples at the site the exhibited benzene, BTEX, TPH or chloride concentration exceedances of 10 mg/Kg, 50 mg/Kg, 1,000 mg/Kg (GRO & DRO), 2,500 mg/Kg (GRO, DRO & MRO) or 20,000 mg/Kg, respectively. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Sidewall samples in the first four feet will meet Table 1 closure criteria for groundwater less than fifty (50) feet.

Excavated soils will be transported to a NMOCD approved disposal facility for disposal. The anticipated volume of soil to be disposed of from the Tin Horn Area (Excavation Area 1) is approximately 1,605 cubic yards. Then anticipated volume of soil to be disposed of from the Battery Area (Excavation Area 2 and 3) is approximately 2,497 cubic yards. The excavation will be backfilled with non-impacted soil transported to the site. The remediation will be performed within 180 days after the work plan has been approved.

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

Sincerely,

GHD

Becky Haskell

Senior Project Manager

Tom Larson Project Director

Thomas Clayon

BH/TL/1

Encl. Figure 1 – Site Location Map

Rebecca Haskell

Figure 2 - Tin Horn Areas Assessment Concentration Map Prior to 2021

Figure 3 – Tin Horn Area 2021 Soil Boring Concentration Map

Figure 4 – Battery Area Assessment Concentration Map Prior to 2021

Figure 5 – Battery Area 2021 Soil Boring Concentration Map

Figure 6 – Surrounding Area Soil Boring Concentration Map

Figure 7 - Tin Horn Area Proposed Excavation Area

Figure 8 – Battery Area Proposed Excavation Area

Table 1 - Summary of Soil Analytical Data

Attachment A - Initial C-141s for 1RP-2281, 1RP-2784, 1RP-2790, 1RP-4800 & 1RP-4801

Attachment B – Site Characterization Documentation

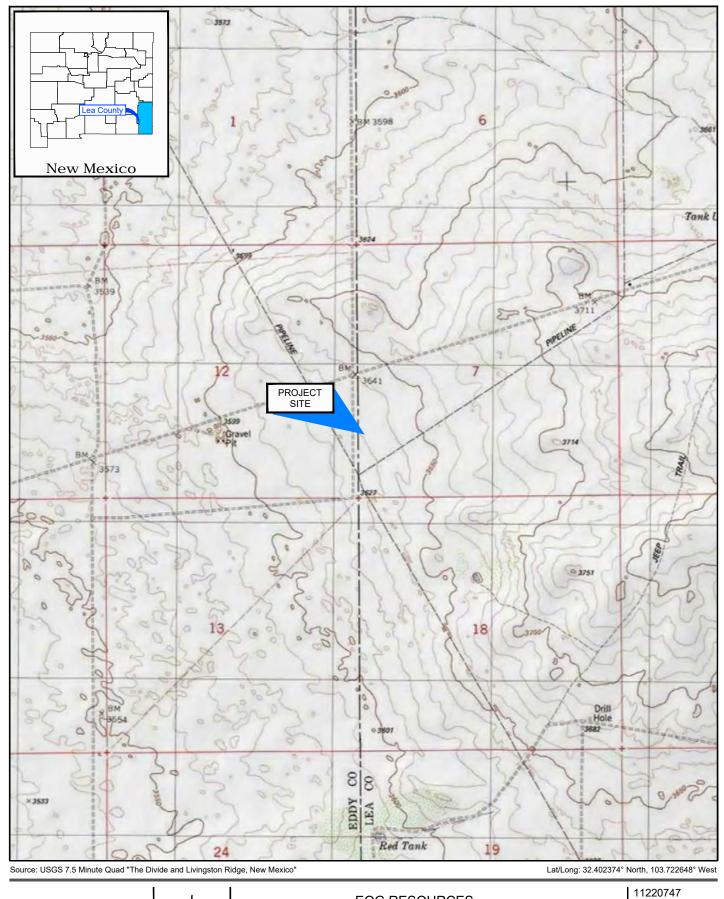
Attachment C – GHD and Cascade Drilling Soil Boring Logs

Attachment D - NMSOE Well Permits and BLM Sundry Notice

Attachment E - Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: James Kennedy

Figures



O 1000 2000ft

Coordinate System:

NAD 1983 (2011) StatePlaneNew Mexico East (US Feet)



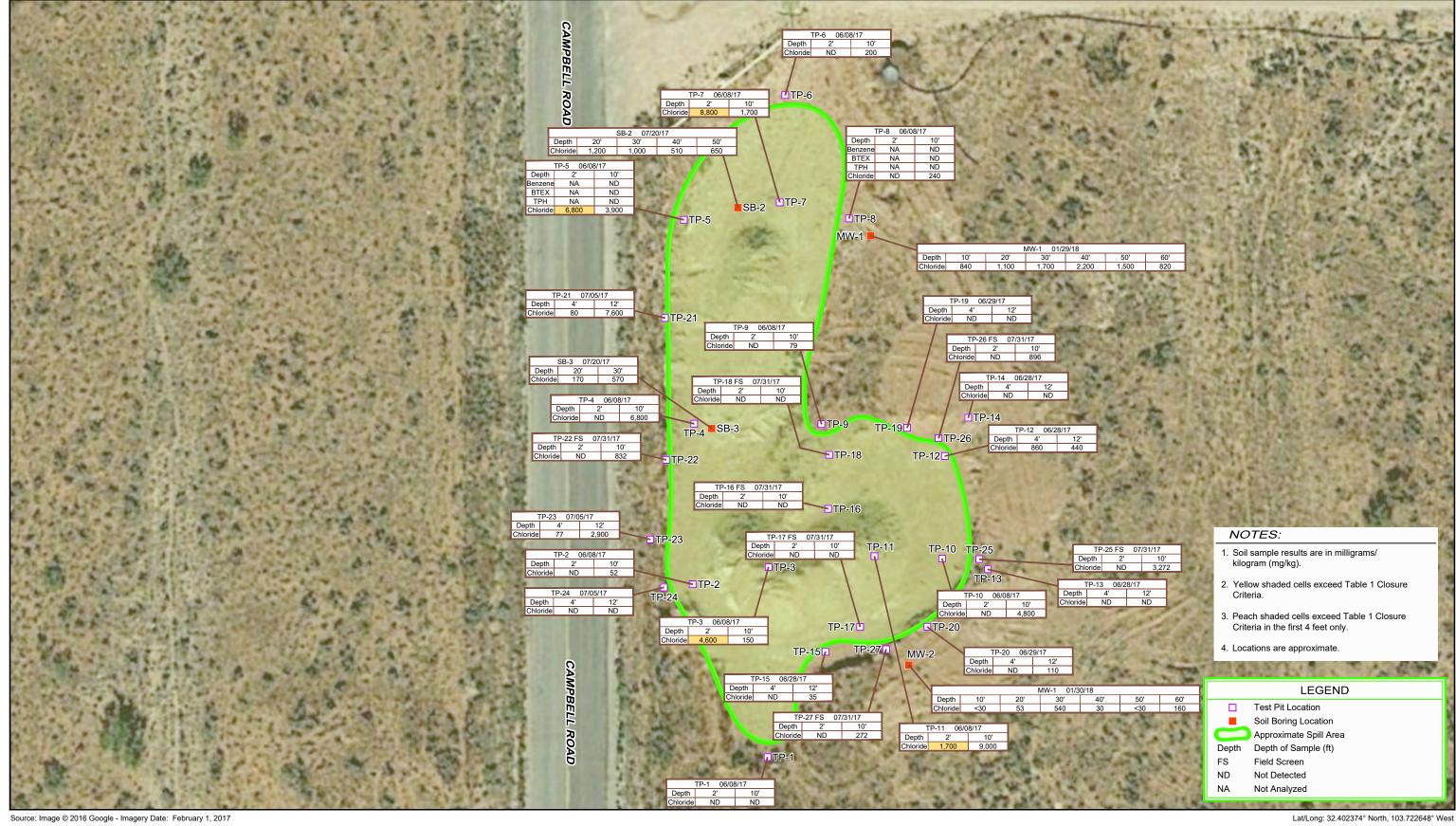
GHD

EOG RESOURCES LEA COUNTY, NEW MEXICO FLAMENCO FEDERAL No.1

Jan 19, 2022

SITE LOCATION MAP

Received by OCD: 2/28/2022 3:08:14 PM Page 9 of 713



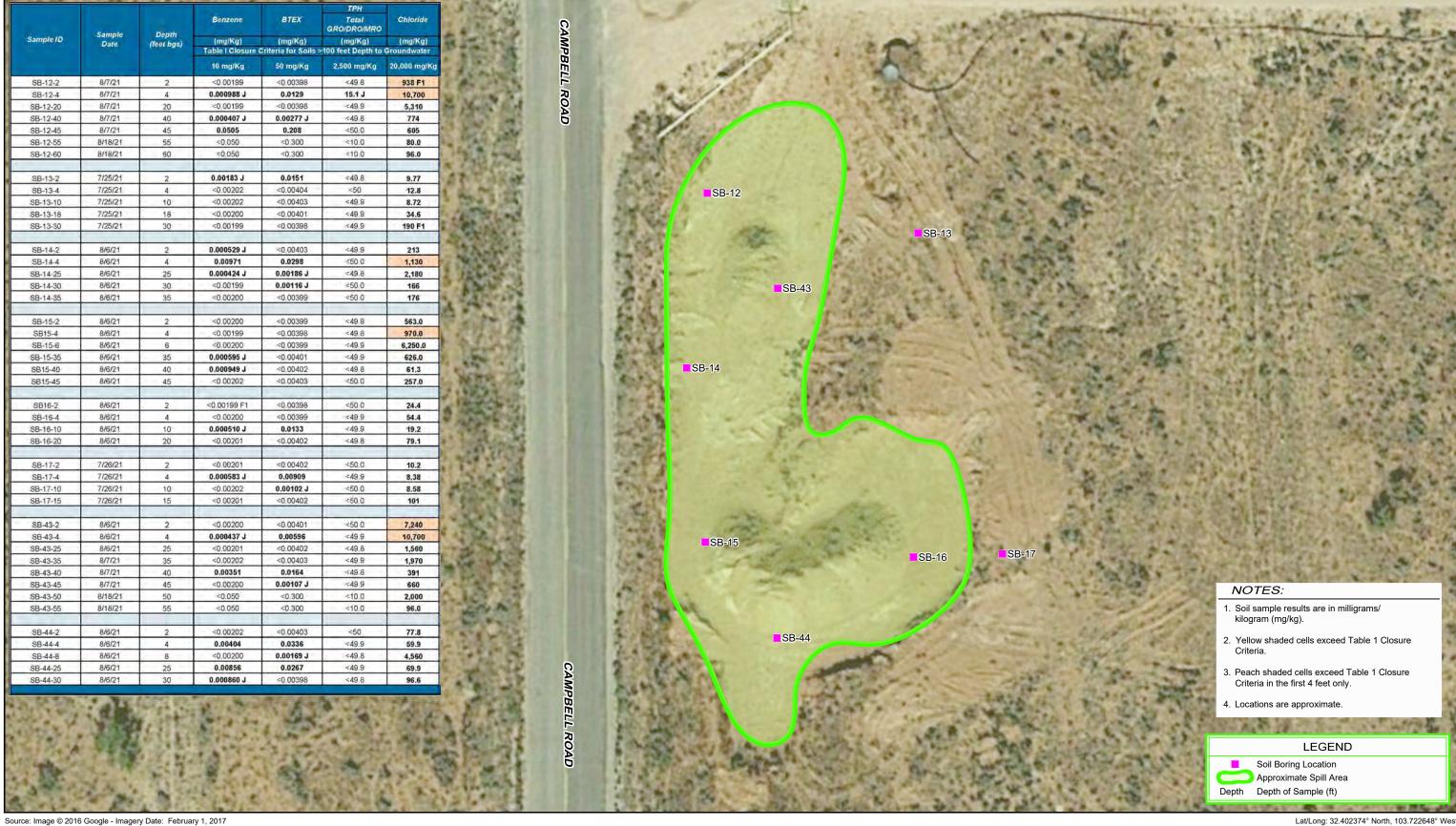
NAD 1983 (2011) StatePlane-New Mexico East (US Feet)



EOG RESOURCES LEA COUNTY, NEW MEXICO FLAMENCO FEDERAL No.1 TIN HORN AREA ASSESSMENT **CONCENTRATION MAP PRIOR TO 2021**

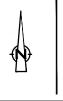
11220747 Jan 20, 2022

Received by OCD: 2/28/2022 3:08:14 PM Page 10 of 713



Source: Image © 2016 Google - Imagery Date: February 1, 2017

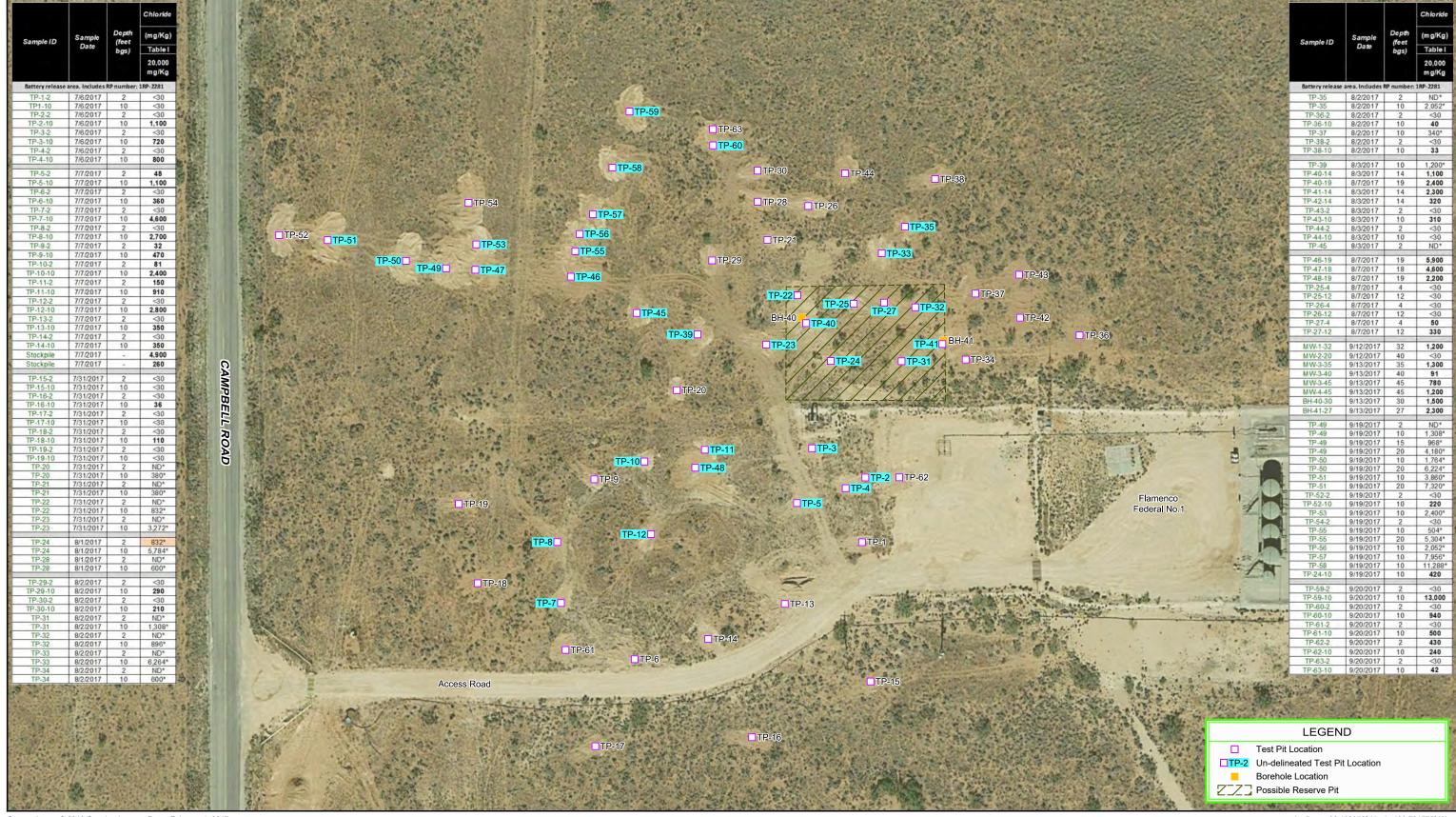
NAD 1983 (2011) StatePlane-New Mexico East (US Feet)





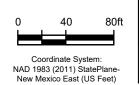
EOG RESOURCES LEA COUNTY, NEW MEXICO FLAMENCO FEDERAL No.1 **TIN HORN AREA 2021** SOIL BORING CONCENTRATION MAP 11220747 Jan 19, 2022

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Source: Image © 2016 Google - Imagery Date: February 1, 2017

Lat/Long: 32.403052° North, 103.721576° Wes





NOTES:

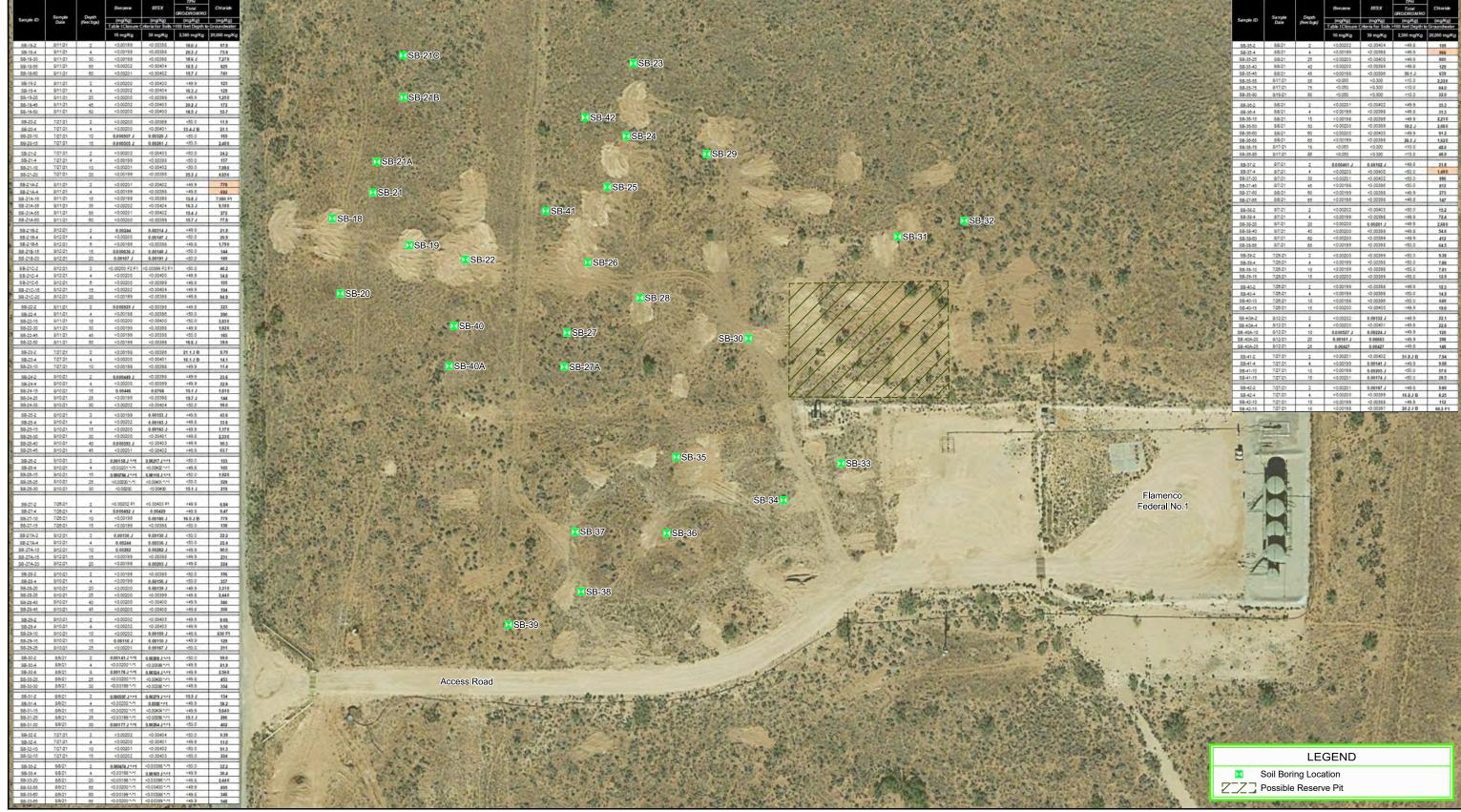
- 1. Sample results are in milligrams/kilogram (mg/kg).
- 2. Yellow shaded cells exceed Table 1 Closure Criteria.
- 3. Peach shaded cells exceed Table 1 Closure Criteria in the first 4 feet only.
- 4. Locations are approximate.



EOG RESOURCES
LEA COUNTY, NEW MEXICO
FLAMENCO FEDERAL No.1 - BATTERY AREA
BATTERY AREA ASSESSMENT
CONCENTRATION MAP PRIOR TO 2021

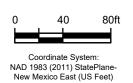
11220747 Jan 20, 2022

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Source: Image © 2016 Google - Imagery Date: February 1, 2017

Lat/Long: 32.403052° North, 103.721576° Wes





NOTES:

- 1. Sample results are in milligrams/kilogram (mg/kg).
- 2. Yellow shaded cells exceed Table 1 Closure Criteria.
- 3. Peach shaded cells exceed Table 1 Closure Criteria in the first 4 feet only
- Locations are approximate.



EOG RESOURCES
LEA COUNTY, NEW MEXICO
FLAMENCO FEDERAL No.1 - BATTERY AREA
BATTERY AREA 2021
SOIL BORING CONCENTRATION MAP

11220747 Jan 20, 2022

Received by OCD: 2/28/2022 3:08:14 PM Page 13 of 713







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

NOTES:

- 1. Chloride groundwater sample results in milligrams/kilogram (mg/kg).
- 2. MW-10 and MW-11, TD 105' were dry and plugged on August 5, 2021.
- 3. Plugging reports and boring log details provided in Attachment B.
- Locations are approximate.

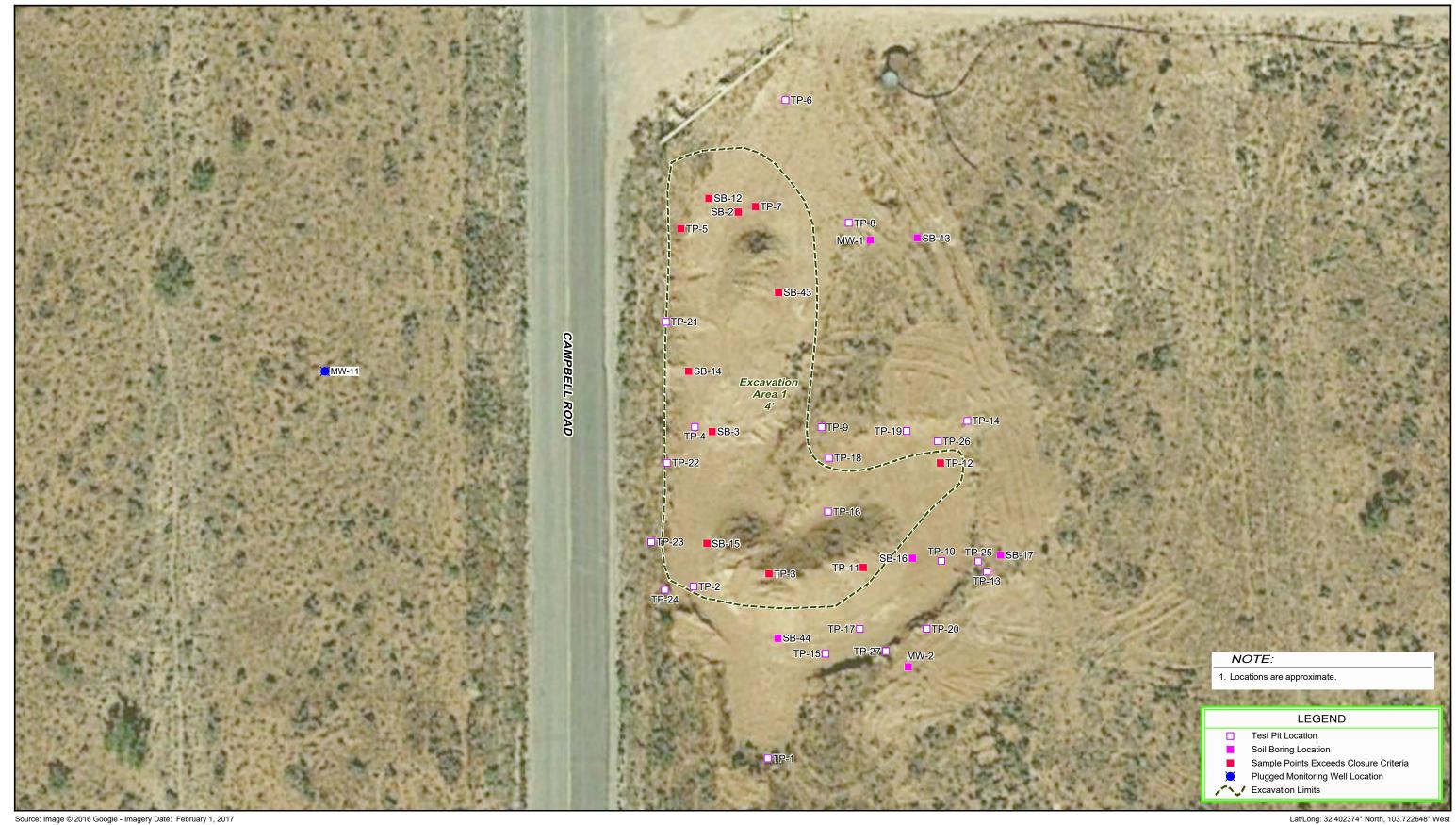


EOG RESOURCES LEA COUNTY, NEW MEXICO FLAMENCO FEDERAL No.1

11220747 Jan 26, 2022

SURROUNDING AREA SOIL BORING CONCENTRATIONS MAP

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1

Coordinate System:
NAD 1983 (2011) StatePlaneNew Mexico East (US Feet)

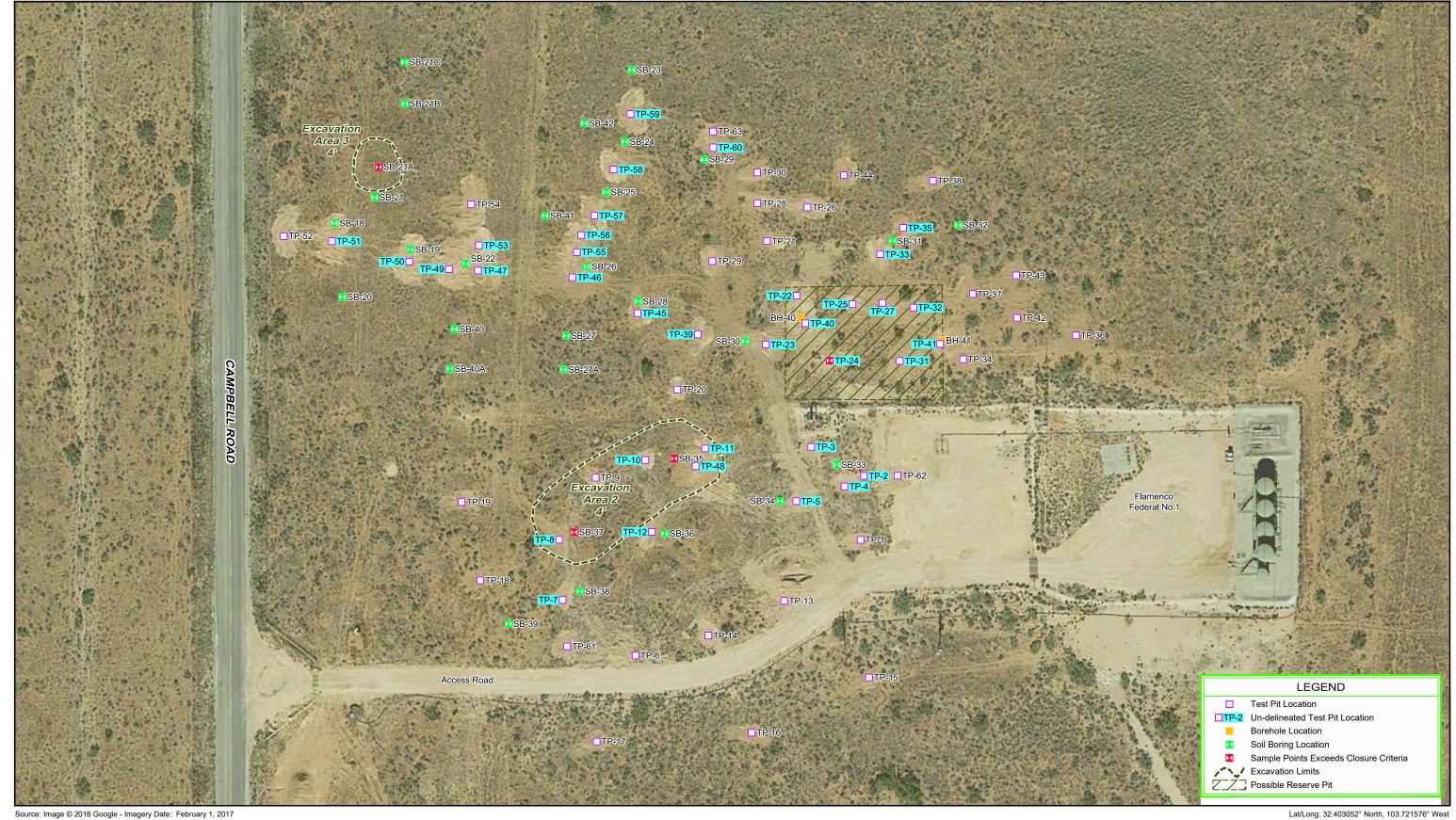


GHD

EOG RESOURCES
LEA COUNTY, NEW MEXICO
FLAMENCO FEDERAL No.1
TIN HORN AREA
PROPOSED EXCAVATION AREA

11220747 Feb 21, 2022

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Coordinate System:
NAD 1983 (2011) StatePlaneNew Mexico East (US Feet)



NOTE:

1. Locations are approximate.



EOG RESOURCES LEA COUNTY, NEW MEXICO FLAMENCO FEDERAL No.1 - BATTERY AREA 11220747 Jan 28, 2022

BATTERY AREA PROPOSED EXCAVATION AREA

Tables

				,	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Di ederal #1 ources	ata					Page 1 of 1
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(C10-C28) (mg/Kg)	(C28-C35) (mg/Kg)	GRO/DRO/M (mg/Kg)	(mg/Kg)
Sample ID	Date	(feet bgs)	(9.1.9)		le I Closure Crite	ria for Soils	>100 feet Dept	n to Ground	water 19.15.	29 NMAC	(9/119)	(99)
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
			Tin ho	orn release area. Inc	ludes RP numbers: 1	RP-2784, 1RP-27	90, 1RP-4800, and	1RP-4801				
TP-1-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-1-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	<30
TP-2-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-2-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	52
TP-3-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	4,600
TP-3-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	150
TP-4-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-4-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	6,800
TP-5-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	6,800
TP-5-10	6/8/2017	10	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	<9.5	<47.0	<61.4	3,900
TP-6-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-6-10	6/8/2017	10	-	-	-	ı	-	-	-	-	-	200
TP-7-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	8,800
TP-7-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	1,700
TP-8-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-8-10	6/8/2017	10	<0.024	<0.049	<0.049	<0.098	<0.220	<4.9	<9.6	<48.0	<62.5	240
TP-9-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-9-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	79
TP-10-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-10-10	6/8/2017	10	-	-	-	-	-	-	-	-	-	4,800
TP-11-2	6/8/2017	2	-	-	-	-	-	-	-	-	-	1,700
TP-11-10	6/8/2017	10	<u> </u>	-	-	-	-	-	-	-	-	9,000
TP-12-4	6/28/2017	4	-	-	-	-	-	_	-	-	-	860
TP-12-12	6/28/2017	l +	-	-	-	-	-	_	_	_	_	440
TP-13-4	6/28/2017	4	-	-	-	_	-	-	_	_	-	<30
TP-13-12	6/28/2017	12	-	-	-	-	-	-	-	_	_	<30
TP-14-4	6/28/2017	4	-	-	-	_	-	-	_	-	_	<30
TP-14-12	6/28/2017	12	-	-	-	_	-	-	_	-	_	<30
TP-15-4	6/28/2017	4	-	-	-	-	-	-	-	-	-	<30
TP-15-12	6/28/2017	12	-	-	-	-	-	-	-	-	-	35
TP-19-4	6/29/2017	4	-	-	-	-	-	_				<30

				:	Tabl Summary of Soil Flamenco F EOG Res Eddy County,	Analytical D ederal #1 ources						Page 2 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
			Delizelle	roidene	Luiyibelizelle	Aylelles	BILA	(C6-C10)			GRO/DRO/M	Omoride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
•	Date	(feet bgs)		Tab	le I Closure Crite	eria for Soils	>100 feet Dept	h to Ground	lwater 19.15.	29 NMAC		
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
TP-19-12	6/29/2017	12	-	-	-	-	-	-	-	-	-	<30
TP-20-4	6/29/2017	4	-	-	-	-	-	-	-	-	-	<30
TP-20-12	6/29/2017	12	-	-	-	-	-	-	-	-	-	110
Stockpile	6/29/2017		-	-	-	-	-	-	-	-	-	180
TP-21-4	7/5/2017	4	-	-	-	-	-	-	-	-	_	80
TP-21-12	7/5/2017	12		_	_	_	-	_	_	_	_	7,600
TP-23-4	7/5/2017	4		_	-	_	_	-	_	_	_	77
TP-23-12	7/5/2017	12	-	-	_	_	-	-	_	_	_	2,900
TP-24-4	7/5/2017	4	-	_	_	_	-	_	_	_	_	<30
TP-24-12	7/5/2017	12	-	-	-	-	-	-	-	-	-	<30
00.00		00										4=0
SB-3-20	7/19/2017	20	-	-	-	-	-	-	-	-	-	170
SB-3-30	7/19/2017	30	-	-	-	-	-	-	-	-	-	570
SB-2-20	7/20/2017	20	-	-	-	-	-	-	-	-	-	1,200
SB-2-30	7/20/2017	30	-	-	-	-	-	-	-	-	-	1,000
SB-2-40	7/20/2017	40	-	-	-	-	-	-	-	-	-	510
SB-2-50	7/20/2017	50	=	-	-	-	-	-	-	-	-	650
TP-16	7/31/2017	2	-			_	_	_			_	ND*
TP-16	7/31/2017	10	<u>-</u>	-	-	-	-	+ -	-	-	-	ND*
TP-17	7/31/2017	2	<u> </u>	<u>-</u>	-	-	-	 	-			ND*
TP-17	7/31/2017	10	<u>-</u>	_	-	-	_	-	_	_	_	ND*
TP-18	7/31/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-18	7/31/2017		-	-	-	-	-	-	-	-	-	ND*
TP-22	7/31/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-22	7/31/2017	10	-	-	-	-	-	-	-	-	-	832*
TP-25	7/31/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-25	7/31/2017		-	-	-	-	-	-	-	-	-	3,272*
TP-26	7/31/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-26	7/31/2017	10	-	-	-	-	-	-	-	-	-	896*
TP-27	7/31/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-27	7/31/2017	10	-	-	-	-	-	-	-	-	-	272*

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

				S	Tabl Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da Federal #1 Sources	ata					Page 3 of 1
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
2 1 12	Sample	Depth	(ma/Ka)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10)	(C10-C28)		GRO/DRO/M	(ma/Ka)
Sample ID	Date	(feet bgs)	(mg/Kg)		le I Closure Crite	ria for Soils	>100 feet Depth	(mg/Kg)	(mg/Kg) lwater 19.15.	(mg/Kg) 29 NMAC	(mg/Kg)	(mg/Kg)
			10 mg/Kg				50 mg/Kg		mg/Kg		2,500 mg/Kg	20,000 mg/Kg
MW-1-32	9/12/2017	32	-	-	-	-	-	-	-	-	-	1,200
MW-2-20	9/12/2017	20	-	-	-	-	-	-	-	-	-	<30
MW-4-45	9/13/2017	45	<u>-</u>	_	-	-	_	_	_	-	-	1,200
MW-3-35	9/13/2017	35	<u>-</u>	-		-	<u> </u>			-		1,300
MW-3-40	9/13/2017	40	-	_	_	_		_	_	_	_	91
MW-3-45	9/13/2017	45	_	_	_	_	_	-	_	_	_	780
BH-41-27	9/13/2017	27	_	-	-	-	-	-	-	-	-	2,300
BH-40-30	9/13/2017	30	-	-	-	-	-	-	_	-	-	1,500
MW-1-10 (MW-5)	1/29/2018	10			_		_				_	840
MW-1-20 (MW-5)	1/29/2018	20		-	-	-	<u> </u>	-	-	-	_	1,100
MW-1-30 (MW-5)	1/29/2018	30		<u> </u>		-	<u> </u>			-		1,700
MW-1-40 (MW-5)	1/29/2018	40	-	-	_	_		_	_	_	_	2,200
MW-1-50 (MW-5)	1/29/2018	50	_	_	_	_	_	-	_	_	_	1,500
MW-1-60 (MW-5)	1/29/2018	60	-	-	-	-	-	-	-	-	-	820
MW-2-10 (MW-6)	1/29/2018	10	-	-	-	-	-	-	-	-	-	< 30
MW-2-20 (MW-6)	1/29/2018	20	-	-	-	-	-	-	-	-	-	53
MW-2-30 (MW-6)	1/29/2018	30	-	-	-	-	-	-	-	-	-	540
MW-2-40 (MW-6)	1/29/2018	40	-	-	-	-	-	-	-	-	-	30
MW-2-50 (MW-6)	1/29/2018	50	-	-	-	-	-	-	-	-	-	< 30
MW-2-60 (MW-6)	1/29/2018	60	-	-	-	-	-	-	-	-	-	160
MW-3-10 (MW-7)	1/29/2018	10 20	-	-	-	-	-	-	-	-	-	< 30
MW-3-20 (MW-7)	1/29/2018	30	-	-	-	-	-	-	-	-	-	33 460
MW-3-30 (MW-7)		 	-	-	-	-	-	-	-	-	-	
MW-3-40 (MW-7)	1/29/2018	40	-	-	-	-	-	-	-	-	-	150
MW-3-50 (MW-7)	1/29/2018	50	-	-	-	-	-	-	-	-	-	160
MW-3-60 (MW-7)	1/29/2018	60	-	-	-	-	-	-	-	-	-	590
SB-12-2	8/7/21	2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	938 F1
SB-12-4	8/7/21	4	0.000988 J	0.00334 B	0.0036	0.00497	0.0129	<49.9	15.1 J	<49.9	15.1 J	10,700
SB-12-20	8/7/21	20	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	5,310
SB-12-40	8/7/21	40	0.000407 J	0.000889 J B	0.000859 J	<0.00401	0.00277 J	<49.8	<49.8	<49.8	<49.8	774

				s	Table Summary of Soil Flamenco F EOG Res Eddy County, l	l Analytical Da Federal #1 sources						Page 4 of 1
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
	Sample	Depth						(C6-C10)	(C10-C28)	(C28-C35)	GRO/DRO/M	
Sample ID	Date	(feet bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg) le I Closure Crite	(mg/Kg) eria for Soils :	(mg/Kg) >100 feet Depth	(mg/Kg) h to Ground	(mg/Kg) dwater 19.15.2	(mg/Kg) .29 NMAC	(mg/Kg)	(mg/Kg)
			10 mg/Kg				50 mg/Kg		0 mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-12-45	8/7/21	45	0.0505	0.00602 B	0.0547	0.0969	0.208	<50.0	<50.0	<50.0	<50.0	605
SB-12-55	8/18/21	55	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SB-12-60	8/18/21	60	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SB-13-2	7/25/21	2	0.00183 J	<0.00200	0.00188 J	0.0114	0.0151	<49.8	<49.8	<49.8	<49.8	9.77
SB-13-4	7/25/21	4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50	<50	<50	<50	12.8
SB-13-10	7/25/21	10	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	8.72
SB-13-18	7/25/21	18	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	34.6
SB-13-30	7/25/21	30	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	190 F1
SB-14-2	8/6/21	2	0.000529 J	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	213
SB-14-4	8/6/21	4	0.00971	0.00269 B	0.00986	0.00750	0.0298	<50.0	<50.0	<50.0	<50.0	1,130
SB-14-25	8/6/21	25	0.000424 J	0.000983 J B	<0.00201	<0.00402	0.00186 J	<49.8	<49.8	<49.8	<49.8	2,180
SB-14-30	8/6/21	30	<0.00199	<0.00199	0.000581 J	<0.00398	0.00116 J	<50.0	<50.0	<50.0	<50.0	166
SB-14-35	8/6/21	35	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	176
SB-15-2	8/6/21	2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	563.0
SB15-4	8/6/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	970.0
SB-15-6	8/6/21	6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	6,250.0
SB-15-35	8/6/21	35	0.000595 J	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	626.0
SB15-40	8/6/21	40	0.000949 J	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	61.3
SB15-45	8/6/21	45	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	257.0
SB16-2	8/6/21	2	<0.00199 F1	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	24.4
SB-16-4	8/6/21	4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	54.4
SB-16-10	8/6/21	10	0.000510 J	0.000880 J B	0.000630 J	0.0113	0.0133	<49.9	<49.9	<49.9	<49.9	19.2
SB-16-20	8/6/21	20	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	79.1

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

				s	Table Summary of Soil Flamenco F EOG Res Eddy County, l	l Analytical Da Federal #1 sources						Page 5 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
	Sample	Depth	(mg/Kg)	(ma/Ka)	(mg/Kg)	(mg/Kg)	(ma/Ka)	(C6-C10)	(C10-C28)		GRO/DRO/M	
Sample ID	Date	(feet bgs)	(mg/Kg)	(mg/Kg) Table	(mg/Kg) le I Closure Crite	(mg/Kg) eria for Soils	(mg/Kg) >100 feet Depth	(mg/Kg)	(mg/Kg) dwater 19.15.2	(mg/Kg) 29 NMAC	(mg/Kg)	(mg/Kg)
			10 mg/Kg				50 mg/Kg		0 mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-17-2	7/26/21	2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	10.2
SB-17-4	7/26/21	4	0.000583 J	0.00283	0.000943 J	0.00473	0.00909	<49.9	<49.9	<49.9	<49.9	8.38
SB-17-10	7/26/21	10	<0.00202	<0.00202	0.000644 J	<0.00403	0.00102 J	<50.0	<50.0	<50.0	<50.0	8.58
SB-17-15	7/26/21	15	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	101
SB-43-2	8/6/21	2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	7,240
SB-43-4	8/6/21	4	0.000437 J	0.00164 J B	0.00195 J	0.00193 J	0.00596	<49.9	<49.9	<49.9	<49.9	10,700
SB-43-25	8/6/21	25	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	1,560
SB-43-35	8/7/21	35	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	1,970
SB-43-40	8/7/21	40	0.00351	0.00538 B	0.0034	0.00415	0.0164	<49.8	<49.8	<49.8	<49.8	391
SB-43-45	8/7/21	45	<0.00200	0.000502 J B	<0.00200	<0.00400	0.00107 J	<49.9	<49.9	<49.9	<49.9	660
SB-43-50	8/18/21	50	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,000
SB-43-55	8/18/21	55	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SB-44-2	8/6/21	2	<0.00202	0.000781 J	<0.00202	<0.00403	<0.00403	<50	<50	<50	<50	77.8
SB-44-4	8/6/21	4	0.00404	0.00168 J	0.00452	0.0234	0.0336	<49.9	<49.9	<49.9	<49.9	59.9
SB-44-8	8/6/21	8	<0.00200	0.000852 J	<0.00200	<0.00400	0.00169 J	<49.8	<49.8	<49.8	<49.8	4,560
SB-44-25	8/6/21	25	0.00856	0.00154 J	0.00669	0.00989	0.0267	<49.9	<49.9	<49.9	<49.9	69.9
SB-44-30	8/6/21	30	0.000860 J	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	96.6
					y release area. Includ		1RP-2281					
TP-1-2	7/6/2017	2	-	-	-	-	-	-	-	-	-	<30
TP1-10	7/6/2017		-	-	-	-	-	-	-	-	-	<30
TP-2-2 TP-2-10	7/6/2017 7/6/2017		-	-	-	-	-	-	-	-	-	<30
TP-2-10 TP-3-2	7/6/2017		-	-	-	-	-	-	-	-	-	1,100 <30
TP-3-2	7/6/2017		<u>-</u>	-	-	-	<u>-</u>	-	-	-	-	720
TP-4-2	7/6/2017	1	-	-	-	-	-	-	-	-	-	<30
TP-4-10	7/6/2017		_	-	_	_	_	_	_	-	-	800

				1	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da Federal #1 sources				ТРН		Page 6 of 1
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO	MRO	Total GRO/DRO/M	Chloride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)		(mg/Kg)	(mg/Kg)	(mg/Kg)
	Date	(feet bgs)			ole I Closure Crite	eria for Soils	>100 feet Dept	n to Ground	dwater 19.15.	29 NMAC		
			10 mg/Kg				50 mg/Kg	1,000	0 mg/Kg		2,500 mg/Kg	20,000 mg/Kg
TP-5-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	48
TP-5-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	1,100
TP-6-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-6-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	360
TP-7-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-7-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	4,600
TP-8-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-8-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	2,700
TP-9-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	32
TP-9-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	470
TP-10-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	81
TP-10-10	7/7/2017	10	-	-	-	-	-	-	-	-	- '	2,400
TP-11-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	150
TP-11-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	910
TP-12-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-12-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	2,800
TP-13-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-13-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	350
TP-14-2	7/7/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-14-10	7/7/2017	10	-	-	-	-	-	-	-	-	-	350
Stockpile	7/7/2017	-	-	-	-	-	-	-	-	-	-	4,900
Stockpile	7/7/2017	-	-	-	-	-	-	-	-	-	-	260
TP-15-2	7/31/2017	2			4	 _ 				<u> </u>		<30
TP-15-10	7/31/2017		-	-	-	_	-	-	-	<u>-</u>	-	<30
TP-16-2	7/31/2017		-	-	-	_	_	-	-	-	-	<30
TP-16-10	7/31/2017		-	_	_	_	_	_	-	_	_	36
TP-17-2	7/31/2017		-	_	_	_	_	-	-	-	-	<30
TP-17-10	7/31/2017		-	-	-	_	-	-	-	_	-	<30
TP-18-2	7/31/2017		-	-	-	_	-	-	-	_	-	<30
TP-18-10	7/31/2017		-	-	-	_	_	-	-	_	-	110
TP-19-2	7/31/2017		-	-	-	-	-	-	-	-	-	<30
TP-19-10	7/31/2017		-	-	-	_	_	-	-	_	-	<30
TP-20	7/31/2017		_	-	_	_	_	_	_	_	_	ND*

				,	Tabl Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da Federal #1 Sources						Page 7 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
	0 / -	D (1)						(C6-C10)		(C28-C35)	GRO/DRO/M	
Sample ID	Sample Date	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
	Date	(feet bgs)		Tab	le I Closure Crite	ria for Soils	>100 feet Dept	h to Ground	water 19.15.	29 NMAC		
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
TP-20	7/31/2017	10	-	-	-	-	-	-	-	-	-	380*
TP-21	7/31/2017	2	-	-	-	-	1	-	-	-	-	ND*
TP-21	7/31/2017	10	-	-	-	-	-	-	-	-	-	380*
TP-22	7/31/2017	2	-	-	-	-	•	-	-	-	-	ND*
TP-22	7/31/2017	10	-	-	-	-	1	-	-	-	-	832*
TP-23	7/31/2017	2	-	-	-	-	ı	-	ì	-	-	ND*
TP-23	7/31/2017	10	-	-	-	-	ı	-	ì	-	-	3,272*
TD 24	0/4/2047	2										020*
TP-24	8/1/2017	2	-	-	-	-	-	-	-	-	-	832*
TP-24	8/1/2017	10	-	-	-	-	-	-	-	-	-	5,784*
TP-28	8/1/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-28	8/1/2017	10	-	-	-	-	-	-	-	-	-	600*
TP-29-2	8/2/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-29-10	8/2/2017	10	-	-	-	-	-	-	-	-	-	290
TP-30-2	8/2/2017	2	-	_	_	-	-	_	_	_	_	<30
TP-30-10	8/2/2017	10	_	_	_	_	-	_	_	_	_	210
TP-31	8/2/2017	2	_	_	_	_	-	_	_	_	_	ND*
TP-31	8/2/2017	10	_	_	_	_	-	_	_	_	_	1,308*
TP-32	8/2/2017	2	_	_	_	_	-	-	_	_	_	ND*
TP-32	8/2/2017	10	_	_	_	_	-	-	_	_	_	896*
TP-33	8/2/2017	2	_	_	_	_	_	-	_	_	_	ND*
TP-33	8/2/2017	10	_	_	_	_	-	-	_	_	_	6,264*
TP-34	8/2/2017	2	_	_	_	_	-	-	_	_	_	ND*
TP-34	8/2/2017	10	_	_	-	_	-	-	_	-	_	600*
TP-35	8/2/2017	2	-	_	-	_	-	-	_	_	_	ND*
TP-35	8/2/2017	10	-	_	-	_	-	-	_	-	-	2,052*
TP-36-2	8/2/2017	2	_	_	_	_	_	-	_	_	_	<30
TP-36-10	8/2/2017	10	_	_	_	_	-	-	-	_	_	40
TP-37	8/2/2017	10	<u>-</u>	_	-	_	-	_	-	_	_	340*
TP-38-2	8/2/2017	2	<u>-</u>	_	-	_	-	_	_	_	_	<30
TP-38-10	8/2/2017	10	<u> </u>	_	-	-	<u> </u>	-	-	-	-	33
11 -00-10	GIZIZUTI	10			_	_						
TP-39	8/3/2017	10	-	-	-	-	•	-	-	-	-	1,200*
TP-40-14	8/3/2017	14	_	-	-	-	-	-	-	_	_	1,100

				\$	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da ederal #1 ources	ata			TPH		Page 8 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	MRO	Total	Chloride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(C10-C28) (mg/Kg)	(C28-C35) (mg/Kg)	GRO/DRO/M (mg/Kg)	(mg/Kg)
Sample 1D	Date	(feet bgs)	(99)	Tab	le I Closure Crite	ria for Soils	>100 feet Deptl	n to Ground	water 19.15.	29 NMAC	(9/9/	(99)
			10 mg/Kg				50 mg/Kg		mg/Kg		2,500 mg/Kg	20,000 mg/Kg
TP-40-19	8/7/2017	19	-	-	-	-	-	-	-	-	-	2,400
TP-41-14	8/3/2017	14	-	-	-	-	-	-	-	-	-	2,300
TP-42-14	8/3/2017	14	-	-	-	-	-	-	-	-	-	320
TP-43-2	8/3/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-43-10	8/3/2017	10	-	-	-	-	-	-	-	-	-	310
TP-44-2	8/3/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-44-10	8/3/2017	10	-	-	-	-	-	-	-	-	-	<30
TP-45	8/3/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-46-19	8/7/2017	19										F 000
			-	-	-	-	-	-	-	-	-	5,900
TP-47-18	8/7/2017	18	-	-	-	-	-	-	-	-	-	4,600
TP-48-19	8/7/2017	19	-	-	-	-	-	-	-	-	-	2,200
TP-25-4 TP-25-12	8/7/2017 8/7/2017	4 12	-	-	-	-	-	-	-	-	-	<30
TP-26-4	8/7/2017		-	-	-	-	-	-	-	-	-	<30
TP-26-12	8/7/2017	4 12	-	-	-	-	-	-	-	-	-	<30 <30
TP-27-4			-	-	-	-	-	-	-	-	-	
TP-27-12	8/7/2017 8/7/2017	4 12	-	-	-	-	-	-	-	-	-	50 330
1P-21-12	8/7/2017	12	-	-	-	-	-	-	-	-	-	330
MW-1-32	9/12/2017	32	-	-	-	-	-	-	-	-	-	1,200
MW-2-20	9/12/2017	40	-	-	-	-	-	-	-	-	-	<30
MW-3-35	9/13/2017	35	-	-	-	-	_	-	-	-	-	1,300
MW-3-40	9/13/2017	40	-	-	-	-	-	-	-	-	-	91
MW-3-45	9/13/2017	45	-	-	-	-	_	-	_	-	_	780
MW-4-45	9/13/2017		-	-	-	-	_	-	_	-	_	1,200
BH-40-30	9/13/2017	+ + +	_	-	-	-	_	-	_	_	_	1,500
BH-41-27	9/13/2017		_	-	_	_	_	_	_	_	_	2,300
TP-49	9/19/2017	2	-	-	-	-	-	-	-	-	-	ND*
TP-49	9/19/2017	10	-	-	-	-	-	-	-	-	-	1,308*
TP-49	9/19/2017	15	-	-	-	-	-	-	-	-	-	968*
TP-49	9/19/2017	20	-	-	-	-	-	-	-	-	-	4,180*
TP-50 TP-50	9/19/2017		-	-	-	-	-	-	-	-	-	1,764* 6,224*

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

				,	Tabl Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da Federal #1 Sources	ata					Page 9 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
			Belizelle	rolaciic	Laryidenzene	Aylelles	BILX	(C6-C10)	(C10-C28)	(C28-C35)	GRO/DRO/M	Omoriac
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
	Date	(feet bgs)			le I Closure Crite				lwater 19.15.2	29 NMAC	, ,	
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
TP-51	9/19/2017	20	-	-	-	-	-	-	-	-	-	7,320*
TP-52-2	9/19/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-52-10	9/19/2017	10	-	-	-	-	-	-	-	-	-	220
TP-53	9/19/2017	10	-	-	-	-	-	-	-	-	-	2,400*
TP-54-2	9/19/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-55	9/19/2017	10	-	-	-	-	-	-	-	-	-	504*
TP-55 TP-56	9/19/2017	20 10	-	-	-	-	-	-	-	-	-	5,304* 2,052*
TP-57	9/19/2017	10	-	-	-	-	<u>-</u>	-	_	-	-	7,956*
TP-58	9/19/2017	10		_	-	_		_	_	_	-	11,288*
TP-24-10	9/19/2017	10	-	-	_	_	_	_	_	_	_	420
TP-59-2	9/20/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-59-10	9/20/2017	10	-	-	-	-	-	-	-	-	-	13,000
TP-60-2	9/20/2017	2	-	-	-	-	-	-	-	-	-	<30
TP-60-10 TP-61-2	9/20/2017	10	-	-	-	-	-	-	-	-	-	940 <30
TP-61-10	9/20/2017	10	<u>-</u>	-	-	-	<u>-</u>	-	-	-	-	500
TP-62-2	9/20/2017	2	<u> </u>	-	-	-				-	_	430
TP-62-10	9/20/2017	10	-	-	-	_	<u>-</u>	_	_	_	-	240
TP-63-2	9/20/2017	2	_	-	_	_	_	-	-	-	_	<30
TP-63-10	9/20/2017	10	-	-	-	-	-	-	-	-	-	42
SB-18-2	8/11/21	2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	18.0 J	<49.9	18.0 J	97.9
SB-18-4	8/11/21	4	< 0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	20.3 J	<49.8	20.3 J	75.9
SB-18-30	8/11/21	30	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	18.6 J	<50.0	18.6 J	7,270
SB-18-55	8/11/21	55	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	16.5 J	<50.0	16.5 J	825
SB-18-60	8/11/21	60	<0.00202	<0.00201	<0.00202	<0.00404	<0.00402	<49.9	15.7 J	<49.9	15.7 J	741
SB-19-2	8/11/21	2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	123
SB-19-4	8/11/21	4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	16.3 J	<49.8	16.3 J	129
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Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

				Ş	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical D ederal #1 sources						Page 10 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(C10-C28) (mg/Kg)	(C28-C35) (mg/Kg)	GRO/DRO/M (mg/Kg)	(mg/Kg)
Gampie 15	Date	(feet bgs)	(3 3/			ria for Soils	>100 feet Depth	to Ground			(3 3/	
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-19-45	8/11/21	45	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.8	20.2 J	<49.8	20.2 J	172
SB-19-50	8/11/21	50	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	18.5 J	<49.9	18.5 J	53.7
SB-20-2	7/27/21	2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	11.9
SB-20-4	7/27/21	4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.4 J	<49.9	<49.9	15.4 J B	21.1
SB-20-10	7/27/21	10	0.000507 J	0.00117 J	0.000736 J	<0.00402	0.00320 J	<50.0	<50.0	<50.0	<50.0	165
SB-20-15	7/27/21	15	0.000505 J	<0.00200	0.00114 J	<0.00401	0.00261 J	<50.0	<50.0	<50.0	<50.0	2,400
SB-21-2	7/27/21	2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	24.2
SB-21-4	7/27/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	157
SB-21-10	7/27/21	10	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	7,080
SB-21-20	7/27/21	20	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.3 J	<49.9	<49.9	25.3 J	4,850
SB-21A-2	8/11/21	2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	778
SB-21A-4	8/11/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	692
SB-21A-15	8/11/21	15	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	15.8 J	<49.9	15.8 J	7,080 F1
SB-21A-35	8/11/21	35	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	16.3 J	<50.0	16.3 J	9,180
SB-21A-55	8/11/21	55	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	15.4 J	<49.8	15.4 J	272
SB-21A-60	8/11/21	60	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	15.7 J	<50.0	15.7 J	77.8
SB-21B-2	8/12/21	2	0.00244	<0.00198	<0.00198	<0.00397	0.00314 J	<49.9	<49.9	<49.9	<49.9	21.9
SB-21B-4	8/12/21	4	<0.00200	<0.00200	0.00147 J	<0.00400	0.00147 J	<50.0	<50.0	<50.0	<50.0	20.9
SB-21B-6	8/12/21	6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	1,790
SB-21B-15	8/12/21	15	0.000636 J	<0.00200	0.000761 J	<0.00399	0.00140 J	<50.0	<50.0	<50.0	<50.0	144
SB-21B-20	8/12/21	20	0.00107 J	<0.00200	0.000844 J	<0.00399	0.00191 J	<50.0	<50.0	<50.0	<50.0	189
SB-21C-2	8/12/21	2	<0.00200 F2 F1	<0.00200 F2 F1	<0.00200 F2 F1	F2 F1	<0.00399 F2 F1	<50.0	<50.0	<50.0	<50.0	46.2
SB-21C-4	8/12/21	4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	34.8

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

				\$	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da ederal #1 ources	ata					Page 11 of 1
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(C10-C28) (mg/Kg)	(C28-C35) (mg/Kg)	GRO/DRO/M (mg/Kg)	(mg/Kg)
Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC												
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-21C-6	8/12/21	6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	105
SB-21C-15	8/12/21	15	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.9	<49.9	<49.9	<49.9	104
SB-21C-20	8/12/21	20	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	84.9
SB-22-2	8/11/21	2	0.000529 J	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	323
SB-22-4	8/11/21	4	<0.00198	0.000463 J	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	590
SB-22-15	8/11/21	15	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	3,830
SB-22-30	8/11/21	30	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	1,820
SB-22-45	8/11/21	45	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	185
SB-22-50	8/11/21	50	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	16.8 J	<49.8	16.8 J	39.6
SB-23-2	7/27/21	2	<0.00198	<0.00198	0.000637 J	<0.00396	<0.00396	<50.0	21.1 J B	<50.0	21.1 J B	9.79
SB-23-4	7/27/21	4	<0.00200	<0.00200	0.000911 J	<0.00401	<0.00401	<49.9	16.1 J B	<49.9	16.1 J B	14.1
SB-23-10	7/27/21	10	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	11.4
SB-24-2	8/10/21	2	0.000449 J	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	23.6
SB-24-4	8/10/21	4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	22.8
SB-24-15	8/10/21	15	0.00446	0.0205	0.00303	0.0488	0.0768	<49.8	15.1 J	<49.8	15.1 J	1,810
SB-24-25	8/10/21	25	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	19.7 J	19.7 J	144
SB-24-30	8/10/21	30	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	99.0
SB-25-2	8/10/21	2	<0.00199	0.00106 J	<0.00199	<0.00398	0.00153 J	<49.9	<49.9	<49.9	<49.9	43.6
SB-25-4	8/10/21	4	<0.00202	<0.00202	<0.00202	0.00163 J	0.00163 J	<49.8	<49.8	<49.8	<49.8	33.6
SB-25-15	8/10/21	15	<0.00200	0.00109 J	<0.00200	<0.00401	0.00163 J	<49.9	<49.9	<49.9	<49.9	1,170
SB-25-30	8/10/21	30	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	2,330
SB-25-40	8/10/21	40	0.000393 J	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	90.3
SB-25-45	8/10/21	45	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	63.7

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

Table 1 Summary of Soil Analytical Data Flamenco Federal #1 EOG Resources Eddy County, New Mexico													Received by OCD: 2/28/2022
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride	/202
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(C10-C28) (mg/Kg)		GRO/DRO/M (mg/Kg)	(mg/Kg)	
Sample ID Date Date Deptilication Compute Deptilication Compute Compute												3:08:14	
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg	14 PM
SB-26-2	8/10/21	2	0.00158 J *-*1	<0.00200	0.000594 J	<0.00399	0.00217 J *-*1	<50.0	<50.0	<50.0	<50.0	103	
SB-26-4	8/10/21	4	<0.00201 *-*1	<0.00201	<0.00201	<0.00402	<0.00402 *-*1	<49.8	<49.8	<49.8	<49.8	105	1
SB-26-15	8/10/21	15	0.000784 J *-*1	<0.00200	<0.00200	<0.00399	0.00118 J *-*1	<50.0	<50.0	<50.0	<50.0	1,920	1
SB-26-25	8/10/21	25	<0.00200 *-*1	<0.00200	<0.00200	<0.00401	<0.00401 *-*1	<50.0	<50.0	<50.0	<50.0	529	1
SB-26-30	8/10/21	30	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.0	15.1 J	<50.0	15.1 J	219	1
SB-27-2	7/26/21	2	<0.00202 F1	<0.00202 F2 F1	0.000600 J F2 F1	<0.00403 F1	<0.00403 F1	<49.9	<49.9	<49.9	<49.9	6.84	
SB-27-4	7/26/21	4	0.000492 J	0.000749 J	<0.00200	0.00305 J	0.00429	<49.9	<49.9	<49.9	<49.9	9.47	1
SB-27-10 SB-27-15	7/26/21 7/26/21	10 15	<0.00199 <0.00199	<0.00199 <0.00199	0.00134 J <0.00199	<0.00398 <0.00398	0.00180 J <0.00398	<49.9 <50.0	16.0 J B <50.0	<49.9 <50.0	16.0 J B <50.0	779 138	
SB-27A-2	8/12/21	2	0.00130 J	<0.00200	<0.00200	<0.00400	0.00130 J	<50.0	<50.0	<50.0	<50.0	22.2	
SB-27A-4	8/12/21	4	0.00244	<0.00199	<0.00199	<0.00398	0.00336 J	<50.0	<50.0	<50.0	<50.0	22.4	
SB-27A-10	8/12/21	10	0.00282	<0.00201	<0.00201	<0.00402	0.00282 J	<49.9	<49.9	<49.9	<49.9	90.0	
SB-27A-15	8/12/21	15	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	231	
SB-27A-20	8/12/21	20	<0.00199	<0.00199	<0.00199	0.00203 J	0.00203 J	<49.8	<49.8	<49.8	<49.8	224	
SB-28-2	8/10/21	2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	356	
SB-28-4	8/10/21	4	<0.00199	0.000535 J	<0.00199	0.00102 J	0.00156 J	<50.0	<50.0	<50.0	<50.0	357	1
SB-28-20	8/10/21	20	<0.00200	0.00100 J	<0.00200	<0.00401	0.00139 J	<49.9	<49.9	<49.9	<49.9	3,310	1
SB-28-25	8/10/21	25	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	2,440	4
SB-28-40	8/10/21	40	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	580	4
SB-28-45	8/10/21	45	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	308	
SB-29-2	8/10/21	2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	8.66	$\ $
SB-29-4	8/10/21	4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	9.50	Page
SB-29-10	8/10/21	10	<0.00202	0.000634 J	<0.00202	<0.00403	0.00109 J	<49.8	<49.8	<49.8	<49.8	630 F1	10

Table 1 Summary of Soil Analytical Data Flamenco Federal #1 EOG Resources Eddy County, New Mexico Benzene Toluene Ethylbenzene Xylenes BTEX GRO DRO MRO Total Chloride												
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
	Sample	Depth						(C6-C10)	(C10-C28)	(C28-C35)	GRO/DRO/M	
Sample ID	Sample Date	(feet bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg) le I Closure Crite	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			10 mg/Kg				50 mg/Kg		mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-29-15	8/10/21	15	0.00110 J	<0.00200	<0.00200	<0.00399	0.00110 J	<49.9	<49.9	<49.9	<49.9	129
SB-29-25	8/10/21	25	<0.00201	<0.00201	0.00123 J	<0.00402	0.00167 J	<50.0	<50.0	<50.0	<50.0	211
SB-30-2	8/9/21	2	0.00141 J *-*1	<0.00202	<0.00202	<0.00403	0.00208 J *-*1	<50.0	<50.0	<50.0	<50.0	99.0
SB-30-4	8/9/21	4	<0.00200 *-*1	<0.00202	<0.00202	<0.00399	<0.00399 *-*1	<49.9	<49.9	<49.9	<49.9	81.9
SB-30-8	8/9/21	8	0.00178 J *-*1	<0.00199	<0.00199	0.00146 J	0.00324 J *-*1	<49.9	<49.9	<49.9	<49.9	2,560
SB-30-25	8/9/21	25	<0.00200 *-*1	<0.00200	<0.00200	<0.00400	<0.00400 *-*1	<49.8	<49.8	<49.8	<49.8	453
SB-30-30	8/9/21	30	<0.00199 *-*1	<0.00199	<0.00199	<0.00398	<0.00398 *-*1	<49.9	<49.9	<49.9	<49.9	354
SB-31-2	8/9/21	2	0.000397 J *-*1	0.00135 J	<0.00199	0.00104 J	0.00279 J *-*1	<49.8	15.5 J	<49.8	15.5 J	134
SB-31-4	8/9/21	4	<0.00200 *-*1	0.0392	<0.00200	<0.00400	0.0392 *-*1	<49.9	<49.9	<49.9	<49.9	58.2
SB-31-15	8/9/21	15	<0.00202 *-*1	<0.00202	<0.00202	<0.00404	<0.00404 *-*1	<49.9	<49.9	<49.9	<49.9	5,640
SB-31-25	8/9/21	25	<0.00199 *-*1	<0.00199	<0.00199	<0.00398	<0.00398 *-*1	<49.8	15.1 J	<49.8	15.1 J	286
SB-31-30	8/9/21	30	0.00177 J *-*1	<0.00201	<0.00201	0.00117 J	0.00294 J *-*1	<50.0	<50.0	<50.0	<50.0	402
SB-32-2	7/27/21	2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	9.39
SB-32-4	7/27/21	4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	11.0
SB-32-10	7/27/21	10	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	91.3
SB-32-15	7/27/21	15	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	224
SB-33-2	8/8/21	2	0.000474 J *-*1	<0.00199	<0.00199	<0.00398	<0.00398 *-*1	<50.0	<50.0	<50.0	<50.0	32.2
SB-33-4	8/8/21	4	<0.00198 *-*1	<0.00198	<0.00198	0.000185 J	0.00185 J *-*1	<49.9	<49.9	<49.9	<49.9	30.4
SB-33-20	8/8/21	20	<0.00198 *-*1	<0.00198	<0.00198	<0.00396	<0.00396 *-*1	<49.8	<49.8	<49.8	<49.8	2,440
SB-33-55	8/9/21	55	<0.00200 *-*1	0.000459 J	<0.00200	<0.00400	<0.00400 *-*1	<49.9	<49.9	<49.9	<49.9	895
SB-33-60	8/9/21	60	<0.00199 *-*1	<0.00199	<0.00199	<0.00398	<0.00398 *-*1	<49.8	<49.8	<49.8	<49.8	346
SB-33-65	8/9/21	65	<0.00200 *-*1	<0.00200	<0.00200	<0.00399	<0.00399 *-*1	<49.9	<49.9	<49.9	<49.9	548
SB-34-2	8/8/21	2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0 *1	<50.0	<50.0	<50.0	21.8

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

Table 1 Summary of Soil Analytical Data Flamenco Federal #1 EOG Resources Eddy County, New Mexico												
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
Comple II	Sample	Depth	(mg/Kg)	(ma/Ka)	(mg/Kg)	(ma/Ka)	(ma/Ka)	(C6-C10)			GRO/DRO/M	(mg/Kg)
Sample ID Sample Date Sample Date												(ilig/Kg)
			10 mg/Kg				50 mg/Kg	1,000	0 mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-34-4	8/8/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0 *1	<50.0	<50.0	<50.0	23.8
SB-34-6	8/8/21	6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.8 *1	<49.8	<49.8	<49.8	260
SB-34-15	8/8/21	15	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.0 *1	16.2 J	<50.0	16.2 J	166
SB-34-25	8/8/21	25	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	58.5
SB-35-2	8/8/21	2	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	109
SB-35-4	8/8/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9 *1	<49.9	<49.9	<49.9	966
SB-35-25	8/8/21	25	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9 *1	<49.9	<49.9	<49.9	860
SB-35-40	8/8/21	40	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8 *1	<49.8	<49.8	<49.8	129
SB-35-45	8/8/21	45	<0.00198	<0.00198	<0.00198	<0.00198	<0.00396	<49.9 *1	30.1 J	<49.9	30.1 J	639
SB-35-55	8/17/21	55	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,320
SB-35-75	8/17/21	75	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
SB-35-80	8/18/21	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SB-36-2	8/8/21	2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	35.3
SB-36-4	8/8/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	31.3
SB-36-15	8/8/21	15	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	2,210
SB-36-50	8/8/21	50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	19.2 J	19.2 J	2,060
SB-36-60	8/8/21	60	<0.00200	0.000586 J	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	91.2
SB-36-65	8/8/21	65	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	26.3 J	<49.9	26.3 J	1,620
SB-36-75	8/17/21	75	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SB-36-80	8/17/21	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0
SB-37-2	8/7/21	2	0.000401 J	<0.00198	<0.00198	<0.00396	0.00102 J	<49.8	<49.8	<49.8	<49.8	21.8
SB-37-4	8/7/21	4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	1,480
SB-37-30	8/7/21	30	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	986
SB-37-45	8/7/21	45	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	812

				,	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical Da ederal #1 ources	ata					Page 15 of
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	TPH MRO	Total	Chloride
Sample ID	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(C10-C28) (mg/Kg)	(C28-C35) (mg/Kg)	GRO/DRO/M (mg/Kg)	(mg/Kg)
Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC												
			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
SB-37-60	8/8/21	60	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	273
SB-37-65	8/8/21	65	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	147
SB-38-2	8/7/21	2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	15.2
SB-38-4	8/7/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	72.4
SB-38-20	8/7/21	20	<0.00200	<0.00200	<0.00200	0.00201 J	0.00201 J	<49.9	<49.9	<49.9	<49.9	2,680
SB-38-40	8/7/21	40	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	54.6
SB-38-60	8/7/21	60	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	412
SB-38-65	8/7/21	65	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	64.5
SB-39-2	7/26/21	2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	9.36
SB-39-4	7/26/21	4	<0.00199	<0.00199	0.000622 J	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	7.86
SB-39-10	7/26/21	10	<0.00199	<0.00199	0.000712 J	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	7.81
SB-39-15	7/26/21	15	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	12.9
SB-40-2	7/26/21	2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	12.3
SB-40-4	7/26/21	4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	14.9
SB-40-10	7/26/21	10	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	649
SB-40-15	7/26/21	15	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	19.0
SB-40A-2	8/12/21	2	<0.00202	<0.00202	0.00132 J	<0.00404	0.00132 J	<49.9	<49.9	<49.9	<49.9	22.1
SB-40A-4	8/12/21	4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	22.9
SB-40A-10	8/12/21	10	0.000527 J	<0.00201	0.00111 J	<0.00402	0.00224 J	<49.9	<49.9	<49.9	<49.9	120
SB-40A-20	8/12/21	20	0.00161 J	0.00287	<0.00201	0.00215 J	0.00663	<49.9	<49.9	<49.9	<49.9	398
SB-40A-25	8/12/21	25	0.00427	<0.00200	<0.00200	<0.00399	0.00427	<49.8	<49.8	<49.8	<49.8	148
SB-41-2	7/27/21	2	<0.00201	<0.00201	0.000585 J	<0.00402	<0.00402	16.0 J	15.8 J B	<50.0	31.8 J B	7.94
SB-41-4	7/27/21	4	<0.00199	<0.00199	0.00141 J	<0.00398	0.00141 J	<49.9	<49.9	<49.9	<49.9	9.68

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

Table 1 Summary of Soil Analytical Data Flamenco Federal #1 EOG Resources Eddy County, New Mexico												
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6 C40)	DRO	TPH MRO	Total	Chloride
Sample ID	Sample Date	Depth (feet bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg) le I Closure Crite	(mg/Kg)	(mg/Kg)	(C6-C10) (mg/Kg)	(mg/Kg)	(mg/Kg)	GRO/DRO/M (mg/Kg)	(mg/Kg)
		(10 mg/Kg				50 mg/Kg		mg/Kg	29 NWAC	2,500 mg/Kg	20,000 mg/Kg
SB-41-10	7/27/21	10	<0.00199	0.000585 J	0.00104 J	<0.00398	0.00205 J	<50.0	<50.0	<50.0	<50.0	57.6
SB-41-15	7/27/21	15	<0.00201	<0.00201	0.00119 J	<0.00402	0.00174 J	<50.0	<50.0	<50.0	<50.0	28.5
SB-42-2	7/27/21	2	<0.00201	<0.00201	0.00131 J	<0.00402	0.00167 J	<49.8	<49.8	<49.8	<49.8	9.60
SB-42-4	7/27/21	4	<0.00200	<0.00201	0.000700 J	<0.00399	<0.00399	16.8 J	<49.7	<49.7	16.8 J B	8.25
SB-42-10	7/27/21	10	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	112
SB-42-15	7/27/21	15	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<50.0	20.2 J B	<50.0	20.2 J B	60.3 F1
0B- 1 2-10	1121121	10	10.00100	10.00100	Surrounding si		-0.00007	-00.0	20.2 0 5	100.0	20.2 0 3	00.011
MW-10-55 (SB-10)	8/7/2018	55	-	-	-	-	-	-	-	-	-	1,300
MW-10-60 (SB-10)	8/8/2018	60	-	-	-	-	-	-	-	-	-	35
MW-10-65 (SB-10)	8/8/2018	65	-	-	-	-	-	-	-	-	-	< 30
MW-11-50 (SB-11)	8/8/2018	50	-	-	-	-	<u>-</u>	-	-	-	-	34
MW-11-65 (SB-11)	8/8/2018	65	-	-	-	-	-	-	-	-	-	430
MW-5-20 (SB-5)	8/9/2018	20	-	-	-	-	-	-	-	-	-	45
MW-6-50 (SB-6)	8/9/2018	50	-	-	-	-	-	-	-	-	-	33
MW-6-60 (SB-6)	8/9/2018	60	-	-	-	-	-	-	-	-	-	< 30
MW-9-50 (SB-9)	8/9/2018	50	-	-	-	-	-	_	-	-	-	32
MW-9-60 (SB-9)	8/9/2018	60	-	-	-	-	-	-	-	-	-	< 30
MW-9-70 (SB-9)	8/9/2018	70	-	-	-	-	-	-	-	-	-	< 30
MW-7-40 (SB-7)	8/10/2018	40	-	-	-	-	-	-	-	-	-	< 30
	8/10/2018		-	-	-	-	-	-	-	-	-	32
` '	8/10/2018	50	-	-	-	-	-	-	-	-	-	< 30
	8/10/2018		-	-	-	-	-	-	-	-	-	91
MW-8-65 (SB-8)	8/10/2018	65	-	-	-	-	-	-	-	-	-	100

Values Exceed Table 1 Closure Criteria

Values Exceed Table 1 Closure Criteria in the first 4 feet only

Table 1 **Summary of Soil Analytical Data** Flamenco Federal #1 **EOG Resources Eddy County, New Mexico**

Released to Imaging:				\$	Table Summary of Soil Flamenco F EOG Res Eddy County,	Analytical D ederal #1 sources						Received by OCD: 2/2
5/2/2022			Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO (C6-C10)	DRO	TPH MRO (C28-C35)	Total GRO/DRO/M	Chloride 8/2022
	Sample	Depth	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Sample ID	Date	(feet bgs)	· 5 5/		le I Closure Crite			n to Ground	water 19.15.2		, 5 5/	8:
7:29 F			10 mg/Kg				50 mg/Kg	1,000	mg/Kg		2,500 mg/Kg	20,000 mg/Kg
*Indicates Field Data	•							•				

Notes:

- 1. Values reported in mg/kg
- 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 for the site.
- 8. J the target analytes was positively identified below the quantitation limit and above the detection limit.

B-BH 2

Sample Point Excavated

Attachment A Initial C-141s for 1RP-2281, 1RP-2784, 1RP-2790, 1RP-4800, and 1RP-4801 <u>District I</u> 1625 N French Dr , Hobbs, NM 88240 District II
1301 W. Grand Avenue, 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 CCIVED Submit 2 Copies to appropriate

Oil Conservation Division

Allif 2 4 7009

With Rule 116 on back side of form Santa Fe, NM 87505 HOBBSOCE

side of form

			Rel	ease Notific	eation	and Co	rrective A	ction					
				Ol	PERA	RATOR Initial Report Final Re							
Name of Co Yates Petrol		oration		OGRID Nun 25575	nber	Contact Robert Ashe						•	
Address 104 S. 4 TH S	Street					Telephone N 505-748-14		i					
Facility Nar Flamenco F	ne			API Number 30-025-31076		Facility Typ SWD Batter	e						
Surface Ow Federal	ner			Mineral C Federal	Owner	Lease No. NM-84890							
				LOCA	TION	N OF REI	FASE		AP1# 3	30.025.	31076	.00.00	
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	Vest Line	County			
L	7	22S	32E	1650		South	660	l l	Vest	Lea			
				Latitude 32.4	40333	_ Longitude	e 103.72034	_					
				NAT	URE	OF REL	EASE						
Type of Rele Oil & Produc	ed Water						600 B/PW		0 B/O &				
Source of Re Gun Barrel	lease					8/11/2009,	Iour of Occurrent PM	ce	8/11/2009	Hour of Dis	scovery		
Was Immedia	ate Notice (l Yes □	No □ Not Re	eauired	If YES, To Whom?							
By Whom? Robert Asher					•	Date and F 8/12/2009,	lour			<u> </u>			
Was a Water				_			lume Impacting	the Wate	rcourse.				
If a Watercou	irce was Im	nantad Dagar	Yes 🔀			N/A	1						
N/A								WH	ATER	(1) Z87	> <u> </u>		
Describe Cau Lightning stu water line shi	ick 750 bar			n Taken.* tank, causing rele	ase and	fire that destr	oyed 4 other tan	ks on loc	ation. Fire	departmen	t called	and main	
off location. Vertical and	ate area of Backhoe ed horizontal d ' (approx.	120' X 120'. quipment start delineation sai 280', per Ne	Produced ted remov nples will	ken.* water released from the second	s/equipn lysis ran	nent; impacte for TPH & E	d soils were exca STEX to determin	ivated and ne next co	d taken to a	an NMOCE tion taken.	approv Depth	ved facility. to Ground	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMC regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the oper should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface was or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance we federal, state, or local laws and/or regulations.									n may en erator of rater, hu	ndanger f liability man health			
G') A 1	\bigcirc	_			OIL CON	SERV	ATION	DIVISIO	<u>NC</u>		
Signature: Printed Name	e: Robert A	sher				ENV ENGINEER: Approved by District Supervisor: Stern Salkin							
Title: Enviroi	nmental Re	gulatory Ager	nt			Approval Dat	te: 08/24/0	, q 1	Expiration	Date O	260	9	
E-mail Addre	ess: boba@	ypcnm.com				Conditions of Approval: DELINEATE TO CLEANTI, SUBMIT FINAL C-141 BY Attached							
Date: Thursd			_	hone: 505-748-42	17	1RP-09'09.2281 RP-09.09,2281						7,2281	
Attach Addi	tional She	ets If Necess	ary		4	SAMPLING MUST INCLUDE							

CHLURIDES,

ate of New Mexico

Incident ID	
District RP	1RP-2281
Facility ID	
Application ID	

Site Assessment/Characterization

 $This information \ must \ be \ provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ 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)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ 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?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well ✓ 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 	ls.

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.

Received by OCD: 2/28/2022 3:08:14 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

		Page 37 of 713
Incident ID		
District RP	1RP-2281	
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: James F. Kennedy	Title: Environmental Specialist
Signature: James F Kennedy email: James_Kennedy@eogresources.com	Date: 2/21/2022
email: <u>James_Kennedy@eogresources.com</u>	Telephone: 432-848-9146
OCD Only	
Received by:	Date:

Page 38 of 713

Incident ID	
District RP	1RP-2281
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.	
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 		
	1 /	
Deferral Requests Only: Each of the following items must be com-	firmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around pr deconstruction.	oduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.	
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: <u>James F Kennedy</u>	Date: 2/21/2022	
Signature:	Telephone: 432-848-9146	
OCD Only		
Received by:	Date:	
Approved		
Signature: Jennifer Nobui	Date: 05/02/2022	

1625 N. French Dr., Hobbs, NM 8824040BBS OCD District II

1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 8741 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

26 2011 Energy Minerals and Natural Resources

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

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

RECEIVED **Release Notification and Corrective Action** ☐ Initial Report **OPERATOR** Final Report OGRID Number Contact Name of Company Yates Petroleum Corporation Robert Asher 25575 Telephone No. Address 104 S. 4TH Street 575-748-1471 Facility Name API Number Facility Type **SWD** Battery Flamenco Federal #1 30-025-31076 Surface Owner Mineral Owner Lease No. NM-84890 **Federal** Federal LOCATION OF RELEASE APIA 30-025-31076 East/West Line Feet from the North/South Line Feet from the County Unit Letter Section Township Range 1650 South West L **22S** 32E Lea **Latitude** 32.40333 **Longitude** 103.72034 NATURE OF RELEASE Type of Release Volume of Release Volume Recovered Produced Water 150 B/PW 100 B/PW Date and Hour of Occurrence Date and Hour of Discovery Source of Release 7/12/2011, AM 7/12/2011, AM Water line Was Immediate Notice Given? If YES, To Whom? Maxey Brown/NMOCD II By Whom? Date and Hour Robert Asher/Yates Petroleum Corporation 7/13/2011: PM If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes 🛛 No If a Watercourse was Impacted, Describe Fully.* N/A Describe Cause of Problem and Remedial Action Taken.* Water line connection in tin horn failed, causing release. Vacuum truck called. Describe Area Affected and Cleanup Action Taken.* An approximate area of 45' X 45'. Vacuum truck picked up remaining produced water. Impacted soils being excavated and taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (Chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approx. 280', Section 14, T22S-R32E, NMOSE and approx 200' per the ChevronTexaco trend map), Wellhead Protection Area: No. Distance to Surface Water Body: >1000', SITE RANKING IS 0. 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. OIL CONSERVATION DIVISION **Accepted for Record Only** Signature 03/06/12 Approved by District Supervisor: Printed Name: Robert Asher Title: Senior Environmental Regulatory Agent Approval Date: **Expiration Date:** E-mail Address: boba@yatespetroleum.com Conditions of Approval: Attached |

1RP-3-12-2784

Date: Friday, July 22, 2011

Phone: 575-748-4217

e of New Mexico

Incident ID	
District RP	1RP-2784
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?	>100 (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ 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)?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ 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?	☐ Yes ☑ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No		
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ 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 well ✓ 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 	ls.		

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.

Received by OCD: 2/28/2022 3:08:14 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

		Page 41 of 713
Incident ID		
District RP	1RP-2784	
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:	Date: 2/21/2022 Telephone: 432-848-9146		
acp a l			
OCD Only			
Received by:	Date:		

Page 42 of 713

Incident ID	
District RP	1RP-2284
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.	
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation point ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29.1 ✓ Proposed schedule for remediation (note if remediation plan tim 	2(C)(4) NMAC	
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around pr deconstruction.	oduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.	
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: <u>James F Kennedy</u>	Date: 2/21/2022	
Signature:	Telephone: 432-848-9146	
OCD Only		
Received by:	Date:	
Approved	Approval	
Signature:	Date:	

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 HOBBS OCD Energy Minerals and Natural Resources
Oil Conservation Division 3 2011

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

RECEIVED **Release Notification and Corrective Action OPERATOR** Initial Report Final Report OGRID Number Contact Name of Company Robert Asher 25575 Yates Petroleum Corporation Address Telephone No. 104 S. 4TH Street 575-748-1471 Facility Type Facility Name API Number **SWD Battery** 30-025-31076 Flamenco Federal #1 Mineral Owner Lease No. Surface Owner NM-84890 Federal Federal LOCATION OF RELEASE Unit Letter Township Range Feet from the North/South Line Feet from the East/West Line County Section L 7 22S 32E 1650 South West Lea **Latitude** 32.40333 **Longitude** 103.72034 **NATURE OF RELEASE** Volume of Release Volume Recovered Type of Release Produced Water 275 B/PW 260 B/PW Source of Release Date and Hour of Occurrence Date and Hour of Discovery 10/21/2011, AM 10/21/2011, AM Water line If YES, To Whom? Was Immediate Notice Given? Geoffrey Leking/NMOCD II ☐ Yes ☐ No ☐ Not Required Date and Hour By Whom? Robert Asher/Yates Petroleum Corporation 10/24//2011; PM If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes 🛛 No N/A If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Water line connection in tin horn failed, causing release. Vacuum truck called. Describe Area Affected and Cleanup Action Taken.* Initial release amount was miscalculated when reported on 10/24/2011, correct amount released/recovered per this C-141 report. An approximate area of 60 X 75', Vacuum truck picked up remaining produced water. Impacted soils being excavated and taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (Chlorides in soils for documentation). If initial analytical results for TPH & BTEX are under RRAL's a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approx. 280', Section 14, T22S-R32E, NMOSE and approx 200' per the ChevronTexaco trend map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. 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. OIL CONSERVATION DIVISION **Accepted for Record Only** Signature: Approved by District Supervisor: 3/30/12 Printed Name: Robert Asher Title: Senior Environmental Regulatory Agent Approval Date: **Expiration Date:** E-mail Address: boba@yatespetroleum.com Conditions of Approval: Attached

IRP-3-12-2790

Phone: 575-748-4217

Date: Wednesday, November 02, 2011 * Attach Additional Sheets If Necessary

		Page 44 of 71	13
Incident ID			
District RP	1RP-2790		
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.

>100 (ft bgs)			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
☐ Yes ☑ No			
✓ Yes ☐ 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.			
 ✓ 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.

Received by OCD: 2/28/2022 3:08:14 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Incident ID
District RP 1RP-2790
Facility ID
Application ID

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the C failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	fications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: James F. Kennedy	Title: Environmental Specialist
Signature: James F Kennedy	Date: 2/21/2022
Signature: F Kennedy email: JamesKennedy@eogresources.com	Telephone: 432-848-9146
OCD Only	
Received by:	Date:

Page 46 of 713

Incident ID	
District RP	1RP-2790
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.							
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 								
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.							
Contamination must be in areas immediately under or around pr deconstruction.	oduction equipment where remediation could cause a major facility							
Extents of contamination must be fully delineated.								
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.							
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptage liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local limits of the compliance with any other federal.	ertain release notifications and perform corrective actions for releases nce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of							
Printed Name: James F. Kennedy	Title: Environmental Specialist							
Signature: <u>James F Kennedy</u>	Date: 2/21/2022							
Signature:	Telephone: 432-848-9146							
OCD Only								
Received by:	Date:							
Approved	Approval							
Signature:	Date:							

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr. Santa Fe. NM 87505

Released to Imaging: 5/2/2022 3:37:29 PM

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.

RP#7.

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

pOY1724941406

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		×	Yes [_	No Not I	Required	Geoffrey I	eking/NMOCD I	I				
By Whom?						Date and I						
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Title: NM En	vironmenta	l Regulatory S	Supervisor			Approval Dat	_{e:} 9/6/2017	I	Expiration :	Date:	1	
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d-mail Addre	ss: boba@y	yatespetroleum	i.com			Conditions of		$\overline{}$		Attached	I 🖳	
Date: Friday,	January 31.	, 2014	Phone:	575-748-4217		see attac	hed directive	=				
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at DD	1DD 4000	•				

Incid District RF 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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ 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)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ 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?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well Field data	ls.
Data table of soil contaminant concentration data	
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.

Received by OCD: 2/28/2022 3:08:14 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Incident ID
District RP 1RP-4800
Facility ID
Application ID

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the Gailed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: James F. Kennedy	Title: Environmental Specialist
Signature:	Date: 2/21/2022 Telephone: 432-848-9146
OCD Only	
Received by:	Date:

Page 50 of 713

Incident ID	
District RP	1RP-4800
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.							
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 								
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.							
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility							
Extents of contamination must be fully delineated.								
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.							
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptage liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal, state, or local leads to the compliance with any other federal state.	ertain release notifications and perform corrective actions for releases nce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of							
Printed Name: James F. Kennedy	Title: Environmental Specialist							
Signature: <u>James F Kennsdy</u>	Date: 2/21/2022							
Signature:	Telephone: 432-848-9146							
OCD Only								
Received by:	Date:							
Approved	Approval Denied Deferral Approved							
Signature:	Date:							

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

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E-mail Addre	ss: boba@y	atespetroleum	.com			Condition			\neg		Attached			
Date: Friday,	January 31.	2014	Phone: 5	575-748-4217	.	see att	acne	ed directive	;					
Attach Addit						1RP-48	004	1			<u> </u>			
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Page 52 of 713

Incident ID	
District RP	1RP-4801
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?	>100 (ft bgs)					
Did this release impact groundwater or surface water?						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ 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)?	☐ Yes ☑ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ 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?	☐ Yes ☑ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No					
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Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No					
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Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No					
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and verticontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	ical extents of soil					
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 	s.					

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.

Received by OCD: 2/28/2022 3:08:14 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

		Page 53 of 713
Incident ID		
District RP	1RP-4801	
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the Galded to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: James F. Kennedy	Title: Environmental Specialist
Signature: James F Kennedy email: James Kennedy@eogresources.com	Date: <u>2/21/2022</u> Telephone: <u>432-848-9146</u>
OCD Only	
Received by:	Date:

Page 54 of 713

Incident ID	
District RP	1RP-4801
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	proposed remediation technique S coordinates showing delineation points sterial to be remediated she I specifications subject to 19.15.29.12(C)(4) NMAC semediation (note if remediation plan timeline is more than 90 days OCD approval is required) Each of the following items must be confirmed as part of any request for deferral of remediation. In areas immediately under or around production equipment where remediation could cause a major facility In must be fully delineated. In a cause an imminent risk to human health, the environment, or groundwater. In a complete to the best of my knowledge and understand that pursuant to OCD rators are required to report and/or file certain release notifications and perform corrective actions for releases health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of sons have failed to adequately investigate and remediate contamination that pose a threat to groundwater, or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of e with any other federal, state, or local laws and/or regulations. Kennedy Title: Environmental Specialist Date: 2/21/2022 Telephone: 432-848-9146
Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.	12(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD	certain release notifications and perform corrective actions for releases unce of a C-141 report by the OCD does not relieve the operator of e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: James F. Kennedy	Title: Environmental Specialist
email: James_Kennedy@eogresources.com	Telephone: 432-848-9146
Scaled sitemap with GPS coordinates showing delineation points	
Received by:	Date:
Detailed description of proposed remediation technique Sealed sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. Thereby 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 Date: 2/21/2022 Telephone: 432-848-9146 Date: 432-848-9146 Date: 432-848-9146 Date: 432-848-9146	
Signature:	Date:

Attachment B Site Characterization Documentation

Page 1 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: MW-10
PROJECT NUMBER: 11220747 DATE COMPLETED: August 3, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH BGS	SOIL BORING			SAM	PLE	
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10			10.00					<120	6.
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Page 2 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: MW-10
PROJECT NUMBER: 11220747 DATE COMPLETED: August 3, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD <120 11.1 80 80.00 SANDSTONE, caliche powder, medium grained, white, dry 10/27/21 3.0 - 85 85.00 <120 CH-CLAY, fat, brown, dry Date: 0.4 - 90 90.00 <120 OVERBURDEN LOG SANDSTONE, fine to medium grained, tan/brown, dry - 95 <120 3.4 Report: --- 100 <120 4.1 GLB 105.00 <120 2.8 ENVIRO_V06 END OF BOREHOLE @ 105.00ft BGS Boring was left open for 72 hours and then a water probe was used to determine the presence - 110 射 or absence of groundwater. No groundwater was detected and the boring was plugged. - 115 5 — 120 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ - 125 - 130 - 135 - 140 - 145

MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

NOTES:

I:\LOG I

Page 1 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: MW-11
PROJECT NUMBER: 11220747 DATE COMPLETED: August 5, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic
LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	DEPTH SOIL BORING			SAMF				
ft BGS		BGS	33.2 23.1.1.10	NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)		
_	SM-SILTY SAND, fine grained, brown, dry				_		<120 <120	6.4		
5	CALICHE	6.00					<120 <120	1. 2.		
10	SM-SILTY SAND, fine grained, brown, dry	10.00					<120	0.		
15							<120	2.		
20							<120	1.		
25	CL-SANDY CLAY, fine grained, brown, dry	25.00					<120	0.		
30	SANDSTONE, fine to medium grained, tan, dry	 30.00	Cement- Bentonite Grout				148	6.		
35	CH-CLAY, fat, brown, dry	35.00					<120	3.		
40							<120	2.		
45							<120	2.		
50							<120	1.		
55							<120	2.		
60							<120	1.		
65	SANDSTONE, fine grained, gray/white, dry	65.00					<120	2.		
70	CH-CLAY, fat, brown/red, dry	70.00					<120	1.		

Page 2 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: MW-11

PROJECT NAME: Flamenco Federal #1
PROJECT NUMBER: 11220747

DATE COMPLETED: August 5, 2021

CLIENT: EOG Resources
LOCATION: Eddy County, New Mexico

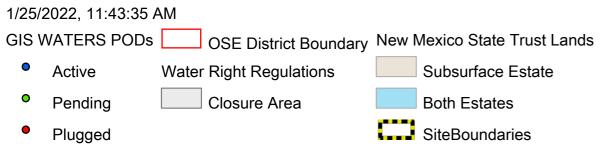
DRILLING METHOD: Sonic FIELD PERSONNEL: C. Neligh

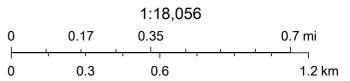
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING			SAM	PLE	
II BGS		RGS		NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)
							<120	22.
80 -	CLAYEY SANDSTONE, fine to medium grained, brown, dry	80.00					<120	38.
85	SANDSTONE, medium grained, gray/white, dry	85.00					<120	30.
90							<120	20.
95							<120	28
100							<120	87
105	END OF BOREHOLE @ 105.00ft BGS	105.00					<120	78
110	Boring was left open for 72 hours and then a water probe was used to determine the presence or absence of groundwater. No groundwater was detected and the boring was plugged.							
115								
120								
125								
130								
135								
140								
· 145								
<u>_</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO CUI	RRENT ELEVATION TABLE					

Page 60 of 713

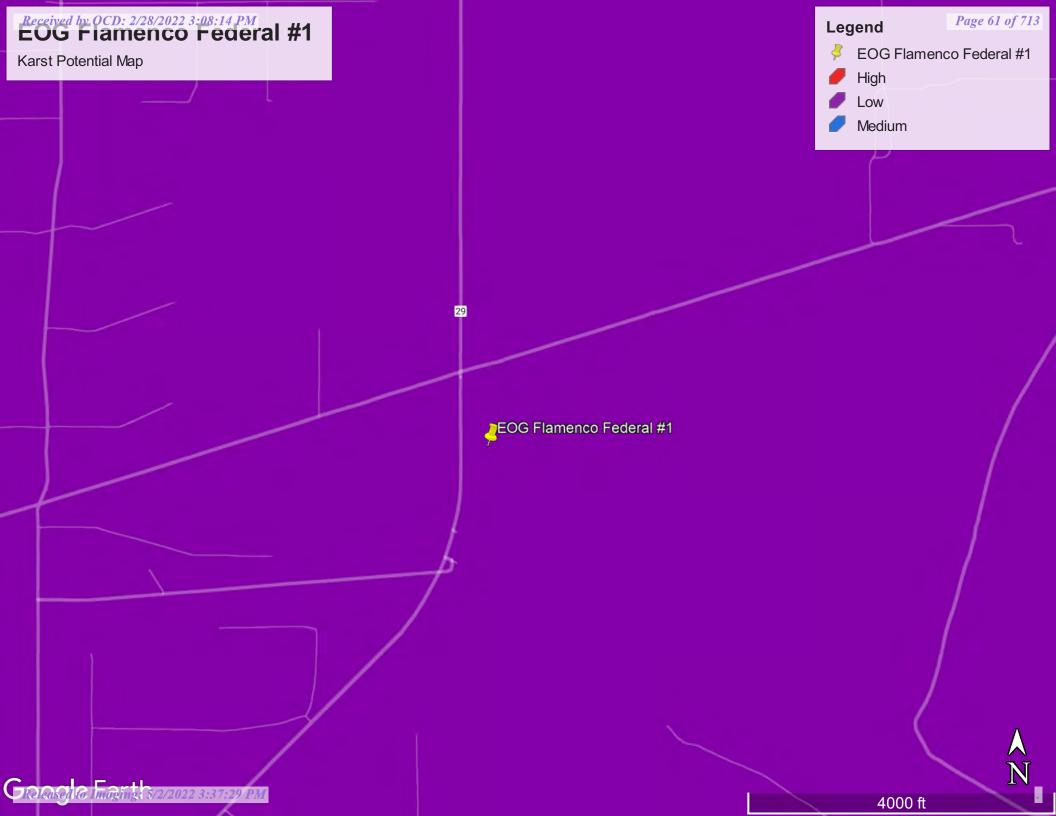
OSE POD Locations Map

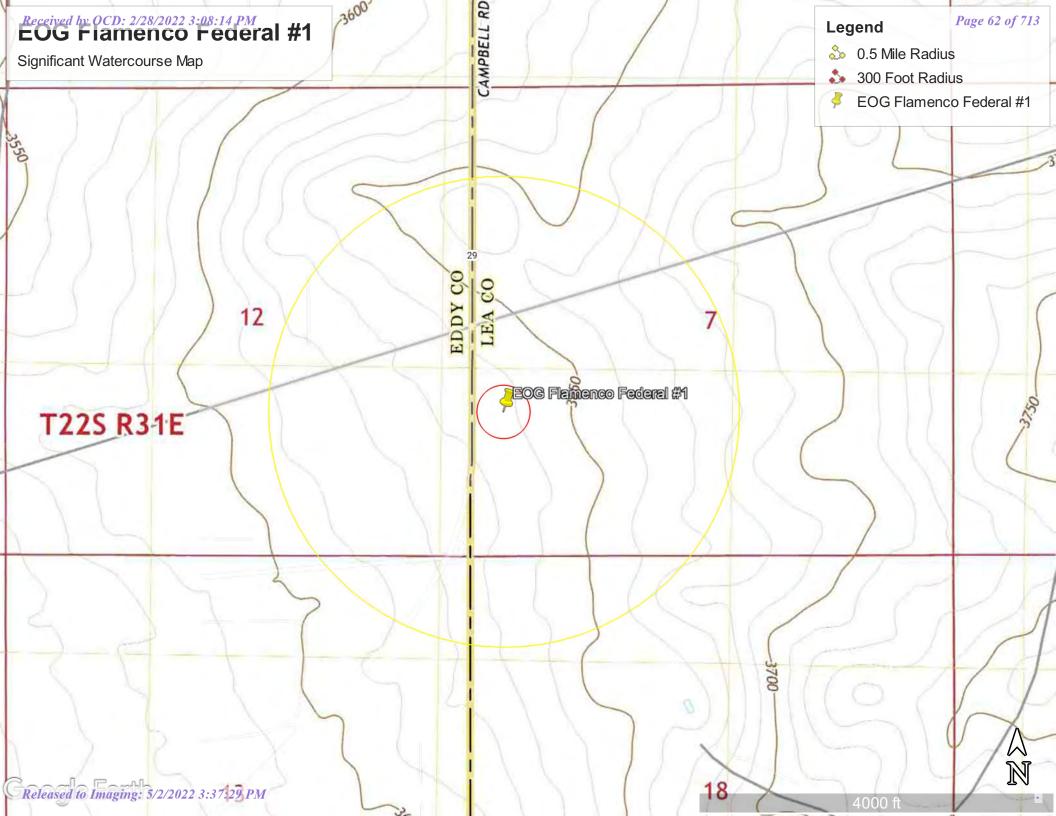






Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar







EOG Flamenco Federal #1



January 25, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

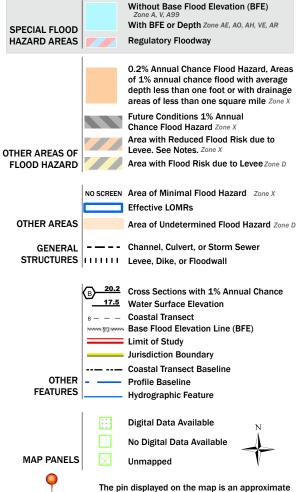
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Received by OCD: 2/28/2022 3:08:14 PM National Flood Hazard Layer FIRMette





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



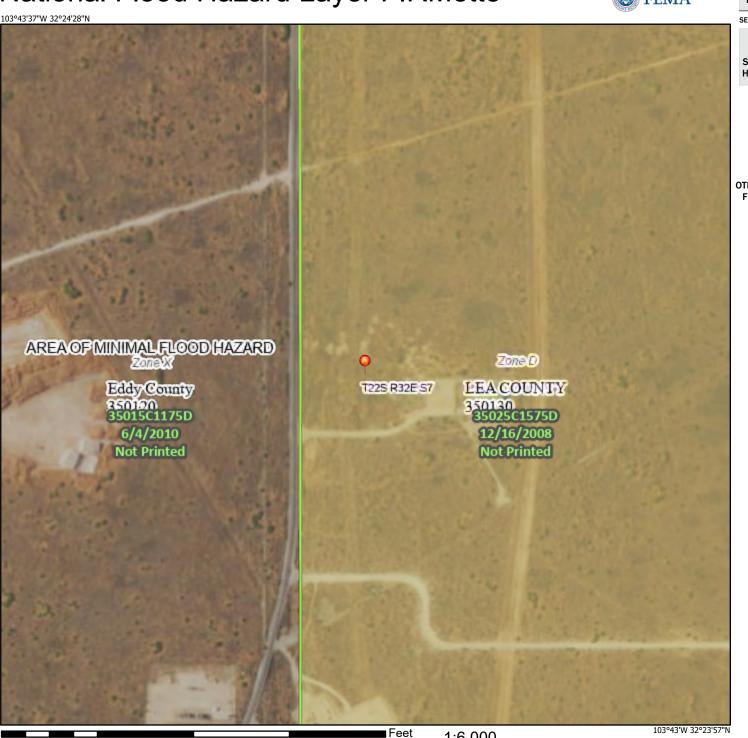
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/25/2022 at 2:09 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.



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Attachment C GHD and Cascade Drilling Soil Boring Logs

Page 1 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: MW-10
PROJECT NUMBER: 11220747 DATE COMPLETED: August 3, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH BGS	SOIL BORING			SAM	PLE	
II BOO			Boo		NUMBER	INTERVAL	REC (ft)	Cl (ppm)	PID (ppm)
	SM-SILTY SAND, fine grained, red/brown, dry		:		 -			1100	
L			4.00					<120 <120	4. 2.
5	CALICHE		4.00					<120	1.
		F.:::	-					<120	1.
10			10.00					<120	6.
	SC-CLAYEY SAND, fine grained, brown, dry		10.00					1120	
15	SANDSTONE, fine to medium grained, tan, dry		15.00					<120	75
	, , , , , , , , , , , , , , , , , , ,	::::							
20								<120	1.
20								120	''
25	SILTY SANDSTONE, fine grained, brown, dry		25.00					<120	54
	OLETT OF WEDGT CIVE, INTO Granted, Stown, dry								
									_
30		::::		Cernent- Bentonite Grout				<120	5.
		::::		Grout					
35		::::						<120	4.
40								<120	78
45		::::						<120	2.
75		::::						1.20	
		::::							
50								<120	5.
55								<120	6.
55		::::						120	0.
60								<120	8.
GE		::::	05.00					-400	
65	SANDSTONE, medium grained, gray/tan, dry	::::	65.00					<120	21
		::::							
70	CII TV CANDOTONIE fina to me di me modifica d		70.00					<120	7.
	SILTY SANDSTONE, fine to medium grained, brown/red, dry								
	•								
	OTES: MEASURING POINT ELEVATIONS MAY CHAN			V/// X #///4			1	<u> </u>	Щ_

PROJECT NAME: Flamenco Federal #1

Page 2 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: MW-10

PROJECT NUMBER: 11220747 DATE COMPLETED: August 3, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic FIELD PERSONNEL: C. Neligh LOCATION: Eddy County, New Mexico

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS	DE	PTH	SOIL BORING			SAMF	PLE	
ft BGS	STIVATIONAL FILE DESCRIPTION & REINARCO	В	GS	SOIL BONING	NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)
								<120	7.
80	SANDSTONE, caliche powder, medium grained, white, dry	80.0	00					<120	11.
85	CH-CLAY, fat, brown, dry	85.0	00					<120	3.0
90	SANDSTONE, fine to medium grained, tan/brown, dry	90.0	00					<120	0.
95								<120	3.
100								<120	4.
105	END OF BOREHOLE @ 105.00ft BGS	105	5.00				_	<120	2.
110	Boring was left open for 72 hours and then a water probe was used to determine the presence or absence of groundwater. No groundwater was detected and the boring was plugged.								
115									
120									
125									
130									
135									
140									
145									
N	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE	: REFER TO	O CUR	RENT ELEVATION TARLE					

Page 1 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: MW-11
PROJECT NUMBER: 11220747 DATE COMPLETED: August 5, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH	DEPTH SOIL BORING			SAMF				
ft BGS		BGS	33.2 23.1.1.10	NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)		
_	SM-SILTY SAND, fine grained, brown, dry				_		<120 <120	6.4		
5	CALICHE	6.00					<120 <120	1. 2.		
10	SM-SILTY SAND, fine grained, brown, dry	10.00					<120	0.		
15							<120	2.		
20							<120	1.		
25	CL-SANDY CLAY, fine grained, brown, dry	25.00					<120	0.		
30	SANDSTONE, fine to medium grained, tan, dry	 30.00	Cement- Bentonite Grout				148	6.		
35	CH-CLAY, fat, brown, dry	35.00					<120	3.		
40							<120	2.		
45							<120	2.		
50							<120	1.		
55							<120	2.		
60							<120	1.		
65	SANDSTONE, fine grained, gray/white, dry	65.00					<120	2.		
70	CH-CLAY, fat, brown/red, dry	70.00					<120	1.		

Page 2 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: MW-11

PROJECT NUMBER: 11220747

PROJECT NAME: Flamenco Federal #1

DATE COMPLETED: August 5, 2021

CLIENT: EOG Resources LOCATION: Eddy County, New Mexico DRILLING METHOD: Sonic FIELD PERSONNEL: C. Neligh

DEPTH	G CONTRACTOR: Cascade	DRILLE DEPTH				SAM	PLE	
ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	BGS	SOIL BORING	NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)
							<120	22.
80	CLAYEY SANDSTONE, fine to medium grained, brown, dry	80.00					<120	38.
85	SANDSTONE, medium grained, gray/white, dry	85.00					<120	30
90							<120	20
95							<120	28
100							<120	87
105	END OF BOREHOLE @ 105.00ft BGS	105.00					<120	78
110	Boring was left open for 72 hours and then a water probe was used to determine the presence or absence of groundwater. No groundwater was detected and the boring was plugged.							
115								
120								
125								
130								
135								
140								
145								
<u>N</u>	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; I	REFER TO CUF	RRENT ELEVATION TABLE					

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-12 PROJECT NUMBER: 11220747 DATE COMPLETED: August 18, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2.00 2' 11.2 <120 CALICHE 4' >2604 0.4 5 >2604 23.3 SM-SILTY SAND, fine grained, brown, dry 33.3 8.00 >2604 CL-SANDY CLAY, fine grained, brown, dry 10/27/21 10.00 2400 36.6 - 10 SM-SILTY SAND, fine grained, brown, dry - 15 >2604 33.4 OVERBURDEN LOG - 20 32.1 20' >2604 Report: -- 25 25.00 >2604 27.6 SANDSTONE, fine to medium grained, tan, dry GLB - 30 1648 55.2 ENVIRO_V06 Cement-Bentonite Grout - 35 35.00 542 79.0 GHD CH-CLAY, fat, brown, dry 40' 108 54.0 - 40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 45.00 45 -45'-284 23.1 - 45 SANDSTONE, fine to medium grained, brown, - 50 50.00 310 19.4 SANDSTONE, fine grained, brown, dry - 55 55' 130 14.3 60.00 160 16.1 60' 60 END OF BOREHOLE @ 60.00ft BGS This boring was dry. - 65 - 70 I:\LOG NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: **SB-13** PROJECT NUMBER: 11220747 DATE COMPLETED: July 25, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 4' <108 1.8 - 5 <108 38.7 CALICHE 29.8 8.00 <108 SM-SILTY SAND, fine grained, brown, dry 10/27/21 10' 154.2 - 10 <108 <108 16.8 - with fine gravel from 14.00 to 20.00ft BGS <108 23.8 - 15 Cement-OVERBURDEN LOG <108 20.9 Bentonite Grout 18' <108 219.8 - 20 143 <108 Report: - 25 - with fine gravel from 25.00 to 30.00ft BGS 160 61.4 GLB I - 30 30.00 30' <108 86.4 ENVIRO_V06 END OF BOREHOLE @ 30.00ft BGS This boring was dry. - 35 왕 Library File: - 40 INLOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-14 PROJECT NUMBER: 11220747 DATE COMPLETED: August 6, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown/red, dry 2' 2.8 2.00 <120 CALICHE 4' 1136 50.8 - 5 6.00 <120 2.7 SM-SILTY SAND, fine grained, brown, dry <120 1.3 10/27/21 <120 19.2 - 10 - 15 1140 36.4 OVERBURDEN LOG Cement-Bentonite Grout - 20 20.00 1760 37.0 CH-CLAY, fat, brown, dry Report: -- 25 25' >2572 19.5 9 ENVIRO V06.GLB 7 30 30.00 30' 136 34.3 SANDSTONE, fine to medium grained, white, - 35 35.00 35' 136 54.4 왕 END OF BOREHOLE @ 35.00ft BGS This boring was dry. -40 13LOG DATABASE18-CHAR111----\1122---\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-15 PROJECT NUMBER: 11220747 DATE COMPLETED: August 6, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2.6 2.00 <120 CALICHE 4.00 4' 420 2.6 SM-SILTY SAND, fine grained, brown, dry - 5 6' >2460 16.2 8.00 >2460 11.1 CH-CLAY, fat, brown, dry 10/27/21 10.00 >2460 - 10 8.3 SM-SILTY SAND, fine grained, brown, dry - 15 >2460 9.3 OVERBURDEN LOG - 20 2112 10.0 Cement-Bentonite Report: Grout -- 25 25.00 2112 12.3 SILTY SANDSTONE, fine to medium grained, tan, dry GLB ENVIRO V06. - 30 30.00 1716 13.1 SILTY SANDSTONE, fine to medium grained, - 35 35' 508 11.9 왕 40.00 40' <120 3.2 - 40 CH-CLAY, fat, brown, dry DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 45.00 45' <120 4.3 - 45 END OF BOREHOLE @ 45.00ft BGS This boring was dry. - 50 - 55 60 - 65 - 70 I:\LOG I NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

Page 1 of 1

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-16

PROJECT NUMBER: 11220747 DATE COMPLETED: August 6, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

LOCATION	N: Eddy County, New Mexico		FIELD P	ERSONNEL: C. Neligh					
DRILLING	CONTRACTOR: Cascade		DRILLER	R: Cole					
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH BGS	SOIL BORING	<u>K</u>				Ê
					NUMBER	INTERVAL	REC (ft)	(mad) (7) <120 164 <120 <120 <120 <120	PID (ppm)
-	SM-SILTY SAND, fine grained, brown, dry CALICHE		2.00		2 4				1.3
 5 	SM-SILTY SAND, fine grained, brown, dry							<120	1.3
- - - - -				Cement- Bentonite Grout	10'			<120	1.3
- 10 - 10 - 15 - 15 - 20 - 20 - 25 - 30 - 35 35 40								<120	1.3
- - - -	END OF BOREHOLE @ 20.00ft BGS		20.00		20'			<120	15.6
- - 25 - -	This boring was dry.								
- - - - 30									
- - 35 - -									
- - - - - -									
- - - - - -									
- - 55 - -									
- - 									
- - 65									
- <u>NC</u>	OTES: MEASURING POINT ELEVATIONS MAY CHANGE	E; REFE	R TO CUR	RENT ELEVATION TABLE					
	CHEMICAL ANALYSIS								

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-17 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 26, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 1.8 <108 4' <108 0.8 . 5 5.00 SM-SILTY SAND, fine grained, brown, dry Cement-Bentonite 10/27/21 Grout 10' <108 13.8 - 10 Date: 15.00 15' - 15 <108 6.1 OVERBURDEN LOG END OF BOREHOLE @ 15.00ft BGS This boring was dry. <u></u> 20 Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11---\1122--\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-18 PROJECT NUMBER: 11220747 DATE COMPLETED: August 11, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2' <120 4.9 4' <120 3.0 5 572 57.4 22.9 852 10/27/21 23.6 - 10 1772 - 15 15.00 >2604 5.2 SANDY CALICHE OVERBURDEN LOG - 20 12.6 20.00 >2604 SANDSTONE, fine to medium grained, brown, Report: -- 25 25.00 >2604 11.3 SANDSTONE, medium grained, brown, dry .GLB - 30 30' >2604 12.6 ENVIRO_V06 - 35 35.00 Cement-1772 14.1 GHD CH-CLAY, fat, brown, dry Bentonite Grout 40.00 >2604 13.0 - 40 SANDSTONE, fine to medium grained, tan, dry DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 1424 26.7 - 45 - 50 50.00 24.8 CH-CLAY, fat, brown, dry - 55 55' 252 63.1 188 25.7 60' 60 - 65 65' <120 8.5 70.00 - 70 70' <120 11.3 END OF BOREHOLE @ 70.00ft BGS This boring was dry. I:\LOG NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

Page 1 of 1

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-19
PROJECT NUMBER: 11220747 DATE COMPLETED: August 11, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	SOIL B	ORING			SAMF	PLE	
ft BGS			BGS			NUMBER	INTERVAL	REC (ft)	PLE (add) (b) (120 (120 (732 (732 (732 (732 (732 (1772 (1068 (160 (120 (120 (120 (120 (120 (120 (120 (12	PID (ppm)
	SM-SILTY SAND, fine grained, brown, dry					2	_=_			5.
5	SANDY CALICHE		4.00			4'			732	1. 5.
10	SM-SILTY SAND, fine grained, brown, dry		8.00							6. 3.
15									1772	25
20	SANDSTONE, fine to medium grained, tan, dry		20.00			20'			2604	30
25	SANDSTONE, medium grained, tan/yellow, dry		25.00		Cement- Bentonite Grout				852	28
30	CH-CLAY, fat, brown, dry		30.00						852	36
35									1772	41
40	SANDSTONE, medium grained, brown, dry		40.00						1068	5.
45	SANDSTONE, fine to medium grained, tan, dry		45.00			45'			160	57
50	END OF BOREHOLE @ 50.00ft BGS		50.00			50'		-	<120	5.
55	This boring was dry.									
60										
65										
70										
NC	OTES: MEASURING POINT ELEVATIONS MAY CHAN	IGE: REF	R TO CURF	RENT ELEVATI	ON TABLE					<u></u>

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-20 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 27, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING BGS ft BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 0.5 <120 4' <120 0.2 - 5 Cement-Bentonite 10/27/21 Grout 10' - 10 <120 6.9 Date: 15.00 15' - 15 180 13.2 OVERBURDEN LOG END OF BOREHOLE @ 15.00ft BGS This boring was dry. - 20 Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-21 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 27, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING BGS ft BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 0.4 <120 4' 352 0.4 - 5 10/27/21 10' >2492 70.5 - 10 Cement-Bentonite Grout - 15 15.00 >2492 30.0 OVERBURDEN LOG SANDSTONE, fine to medium grained, tan/brown - 20 20.00 1380 47.6 20' END OF BOREHOLE @ 20.00ft BGS This boring was dry. Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-21A PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 11, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 3.6 <120 4.00 4' <120 6.1 CALICHE - 5 >2604 53.7 39.9 >2604 10/27/21 10.00 >2604 36.2 - 10 SANDSTONE, fine to medium grained, tan, dry 15' - 15 2056 64.6 OVERBURDEN LOG - 20 31.7 20.00 >2604 SANDSTONE, medium grained, tan/yellow, dry Report: -- 25 >2604 16.7 GLB - 30 30.00 1424 21.8 ENVIRO_V06 Cement-SANDSTONE, medium grained, brown, dry Bentonite Grout - 35 35' >2604 26.7 射 2400 30.3 -40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ - 45 <120 5.6 CH-CLAY, fat, brown, dry - 50 36.2 - 55 55' 160 34.1 60' <120 12.1 60 END OF BOREHOLE @ 60.00ft BGS This boring was dry. - 65 - 70 I:\LOG I NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

Page 1 of 1

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

HOLE DESIGNATION: SB-21B

PROJECT NAME: Flamenco Federal #1 PROJECT NUMBER: 11220747 DATE COMPLETED: August 12, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic FIELD PERSONNEL: C. Neligh LOCATION: Eddy County, New Mexico

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	SOIL BORING			SAME	PLE	
ft BGS			BGS		NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)
	SM-SILTY SAND, fine grained, brown, dry				2			<120	5.:
5	CALICHE		4.00		4'			<120 920	0.9 31.
10	SANDSTONE, fine to medium grained, tan, dry		8.00	Cement- Bentonite Grout				356 188	28 23
15	SANDSTONE, medium grained, brown, dry	1111	15.00		15'			<120	9.
20	END OF BOREHOLE @ 20.00ft BGS		20.00		20'		_	<120	10
25	This boring was dry.								
30									
35									
40									
45									
50									
55									
60									
65									
70									
	OTES: MEASURING POINT ELEVATIONS MAY CHAN								

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-21C HOLE DESIGNATION: PROJECT NAME: Flamenco Federal #1 PROJECT NUMBER: 11220747 DATE COMPLETED: August 12, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry <120 5.8 4' <120 4.7 - 5 6' 6.00 <120 19.3 CALICHE 15.6 8.00 <120 SANDY CALICHE 10/27/21 10.00 <120 14.7 - 10 Cement-SANDSTONE, fine to medium grained, tan, dry Bentonite Grout 15' - 15 <120 22.7 OVERBURDEN LOG - 20 20.00 <120 5.7 20' END OF BOREHOLE @ 20.00ft BGS This boring was dry. Report: - 25 9 ENVIRO V06.GLB 7 30 - 35 왕 Library File: -40 INLOG DATABASE\8-CHAR\11----\1122--\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

Page 1 of 1

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-22
PROJECT NUMBER: 11220747 DATE COMPLETED: August 11, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DEPTH	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH	SOIL BOF	RING			SAM	PLE	
ft BGS			BGS			NUMBER	INTERVAL	REC (ft)	CI (ppm)	PID (ppm)
	SM-SILTY SAND, fine grained, brown, dry					2	Z		120	4.
5	SANDY CALICHE		4.00			4'			356 1648	0. 11 13
10	SM-SILTY SAND, fine grained, brown, dry		10.00						>2604	23
15	SANDSTONE, fine to medium grained, gray/tan, dry		15.00			15'			>2604	5.
20	SANDSTONE, fine to medium grained, brown, dry		20.00						>2604	6.
25	SANDSTONE, fine to medium grained, tan/yellow, dry		25.00		Cement- Bentonite Grout				2056	11
30	SANDSTONE, fine to medium grained, brown, dry		30.00			30'			1148	43
35									<120	9.
40									572	4.
45	SANDSTONE, fine to medium grained, tan, dry		45.00			45'			160	5.
50	END OF BOREHOLE @ 50.00ft BGS	::::	- 50.00			50'		_	<120	6.
55	This boring was dry.									
60										
65										
70										
N/C	OTES: MEASURING POINT ELEVATIONS MAY CHAN	GE: REE	ER TO CUR	RENT ELEVATION	I TARI F					

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-23 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 27, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NUMBER NTERVAL PID (ppm) CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 1.1 <120 4' - 5 Cement-Bentonite Grout 10/27/21 10' 10.00 <120 0.6 - 10 SANDSTONE, fine to medium grained, tan, dry Date: - refusal at 13.00ft BGS 13.00 <120 29.2 END OF BOREHOLE @ 13.00ft BGS - 15 OVERBURDEN LOG This boring was dry. _ 20 Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11---\1122--\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-24 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 10, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 3.3 <120 4.00 4' <120 2.0 CALICHE - 5 1148 32.6 SANDY CALICHE 28.7 8.00 1148 SM-SILTY SAND, fine to medium grained, 10/27/21 10.00 30.0 - 10 brown, dry 1148 SANDSTONE, medium grained, tan, dry 15' - 15 1772 52.9 Cement-OVERBURDEN LOG Bentonite Grout - 20 52.0 356 Report: -- 25 25' <120 36.5 9 ENVIRO V06.GLB 7 30 30.00 30' <120 61.1 END OF BOREHOLE @ 30.00ft BGS This boring was dry. - 35 왕 Library File: - 40 |:\LOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-25 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 10, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 3.4 <120 4.00 4' <120 1.1 CALICHE - 5 >2472 13.9 SM-SILTY SAND, fine grained, brown, dry >2472 16.8 10/27/21 >2472 6.9 - 10 15' - 15 >2472 5.3 OVERBURDEN LOG - 20 57.3 20.00 1648 SANDSTONE, fine to medium grained, brown, dry Cement-Bentonite Report: Grout -- 25 1772 40.6 GLB I - 30 - 30 - 35 30' 2008 62.2 - 35 356 40.5 왕 - 40 40' <120 89.6 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ - 45 45.00 45' <120 49.6 END OF BOREHOLE @ 45.00ft BGS This boring was dry. - 50 - 55 60 - 65 - 70 I:\LOG I NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-26 PROJECT NUMBER: 11220747 DATE COMPLETED: August 10, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING BGS ft BGS PID (ppm) NTERVAL NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 3.2 <120 4.00 4' <120 1.6 CALICHE - 5 >2472 47.0 SANDY CALICHE 50.6 8.00 >2472 SM-SILTY SAND, fine grained, brown, dry 10/27/21 >2472 58.8 - 10 15' - 15 15.00 >2472 71.1 Cement-OVERBURDEN LOG SANDSTONE, fine to medium grained, tan/gray, Bentonite dry Grout - 20 20.00 14.1 456 CH-CLAY, fat, brown, dry Report: -- 25 25' 160 39.7 ENVIRO V06.GLB - 30 30.00 30' 176 42.1 END OF BOREHOLE @ 30.00ft BGS This boring was dry. - 35 왕 Library File: - 40 INLOG DATABASE\8-CHAR\11----\1122--\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-27 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 26, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 1.2 <120 0.8 4' <120 - 5 10/27/21 10' 1136 5.8 - 10 Cement-Bentonite Grout 15' - 15 15.00 <120 11.8 OVERBURDEN LOG CALICHE - 20 20.00 140 19.4 END OF BOREHOLE @ 20.00ft BGS This boring was dry. Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-27A
PROJECT NUMBER: 11220747 DATE COMPLETED: August 12, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DRILLING								
	G CONTRACTOR: Cascade	DRILLE	R: Cole					
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	<u>~</u>		SAM		Ê
				NUMBER	INTERVAL	REC (ft)		PID (ppm)
-	SM-SILTY SAND, fine grained, brown, dry	4.00		2 4				6.2 5.9
-5 -	CALICHE						<120	15.1 9.8
10	SM-SILTY SAND, fine grained, brown, dry	8.00	Cement- Bentonite Grout	10'				9.8 17.3
- - - - - - - - - - - - - - - - - - -				15'			188	17.1
20 – 20 –	END OF BOREHOLE @ 20.00ft BGS	20.00		20'			160	21.2
25 - 25 - 25	This boring was dry.							
30								
10								
50								
55								
60								
65								
45 - 45 - 50 - 55 - 60 - 65 - 70 N								
	NOTES: MEASURING POINT ELEVATIONS MAY CHANGE;	REFER TO CU	RRENT ELEVATION TABLE					
<u>-</u>	CHEMICAL ANALYSIS							

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 **SB-28** PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 10, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 3.8 <120 4.00 4' <120 1.7 **CALICHE** - 5 >2472 2.8 >2472 8.00 3.5 SANDY CALICHE 10/27/21 10.00 >2472 - 10 3.1 SM-SILTY SAND, fine grained, brown, dry - 15 15.00 2472 5.3 OVERBURDEN LOG SANDSTONE, fine to medium grained, tan/gray, dry - 20 10.2 20' >2472 Cement-Bentonite Report: Grout -- 25 25' 1328 91.7 GLB - 30 30.00 612 44.3 ENVIRO_V06 SANDSTONE, medium grained, brown, dry - 35 256 5.0 왕 40' 216 61.4 -40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 45.00 45' 196 79.3 - 45 END OF BOREHOLE @ 45.00ft BGS This boring was dry. - 50 - 55 60 - 65 - 70

MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

NOTES:

CHEMICAL ANALYSIS

I:\LOG I

- 20

END OF BOREHOLE @ 25.00ft BGS

This boring was dry.

Report: -- 25

9 ENVIRO V06.GLB 7 30

Library File: -40

|:\LOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ

- 35 왕

- 45

- 50

- 55

60

- 65

- 70

Page 1 of 1

PID (ppm)

3.2

2.9

28.3

30.9

39.4

39.2

14.6

69.3

CI (ppm)

<120

<120

620

572

732

<120

<120

188

25'

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) HOLE DESIGNATION: SB-29 PROJECT NAME: Flamenco Federal #1 PROJECT NUMBER: 11220747 DATE COMPLETED: August 10, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL NUMBER \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 4.00 4' **CALICHE** - 5 8.00 SANDY CALICHE 10/27/2 10' 10.00 - 10 SANDSTONE, fine to medium grained, brown, Cement-Bentonite Grout 15' - 15 OVERBURDEN LOG

25.00

MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

NOTES:

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-30 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 9, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 3.5 <120 4.00 4' <120 1.7 CALICHE - 5 2296 13.8 8' 27.0 2296 10/27/21 10.00 2296 25.3 - 10 SM-SILTY SAND, fine grained, brown, dry - 15 608 12.2 Cement-OVERBURDEN LOG Bentonite Grout - 20 14.1 20.00 728 SANDSTONE, fine to medium grained, tan, dry Report: -- 25 25.00 25' 212 55.4 CH-CLAY, fat, brown, dry 9 ENVIRO V06.GLB 7 30 30.00 30' 144 23.0 END OF BOREHOLE @ 30.00ft BGS This boring was dry. - 35 왕 Library File: - 40 13LOG DATABASE18-CHAR111----\1122---\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-31 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 9, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 7.1 <120 4' <120 1.3 - 5 >2472 14.6 >2472 12.9 10/27/21 >2472 36.8 - 10 15' - 15 15.00 >2472 21.3 Cement-OVERBURDEN LOG SANDSTONE, medium grained, gray, dry Bentonite Grout - 20 1240 17.0 Report: -- 25 25.00 25' 168 49.8 CH-CLAY, fat, brown, dry 9 ENVIRO V06.GLB 7 30 30.00 30' 168 14.5 END OF BOREHOLE @ 30.00ft BGS This boring was dry. - 35 왕 Library File: -40 |:\LOG DATABASE\8-CHAR\11---\1122--\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-32 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 27, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 1.6 <120 4' <120 0.8 - 5 10/27/21 10' 180 7.8 - 10 Cement-Bentonite Grout 15' - 15 15.00 540 8.1 OVERBURDEN LOG CALICHE - 20 20.00 63.8 415 END OF BOREHOLE @ 20.00ft BGS This boring was dry. Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 **SB-33** PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 8, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2' <108 4.3 4.00 4' <108 8.5 CALICHE - 5 <108 14.7 SM-SILTY SAND, fine grained, brown, dry 1648 24.3 10/27/21 22.0 - 10 1908 - 15 1532 13.3 OVERBURDEN LOG - 20 20.00 20' 1908 15.5 SANDSTONE, fine to medium grained, gray/tan, dry Report: -- 25 1232 6.4 GLB - 30 30.00 1648 10.2 ENVIRO_V06 CH-CLAY, fat, brown, dry Cement-Bentonite Grout - 35 35.00 572 5.7 GHD SANDSTONE, fine to medium grained, brown, 1740 13.0 - 40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 1864 15.2 - 45 45.00 CH-CLAY, fat, brown, dry - 50 50.00 256 40.7 SANDSTONE, fine to medium grained, brown, - 55 55' 560 78.5 144 67.0 60.00 60' 60 CH-CLAY, brown, dry 65.00 - 65 65' 292 20.0 END OF BOREHOLE @ 65.00ft BGS This boring was dry. - 70 I:\LOG NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-34 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 8, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2.6 <120 4.00 4' <120 5.1 **CALICHE** - 5 6' 572 28.2 26.9 8.00 284 SM-SILTY SAND, fine grained, brown, dry 10/27/2 - 10 356 33.5 Cement-Bentonite Grout 15' - 15 188 29.0 OVERBURDEN LOG - 20 18.4 188 Report: -- 25 25.00 25' <108 10.0 END OF BOREHOLE @ 25.00ft BGS 9 ENVIRO V06.GLB 7 30 This boring was dry. - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11----\1122--\11220747 FLAMENCO\11220747-CO.GPJ - 45 - 50 - 55 60 - 65 - 70 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

Page 1 of 2

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-35
PROJECT NUMBER: 11220747 DATE COMPLETED: August 17, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

	N: Eddy County, New Mexico			ERSONNEL: C. Neligh					
	CONTRACTOR: Cascade		DRILLER	R: Cole			SAM		
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH BGS	SOIL BORING	K.		SAIVII E		Ê
					NUMBER	INTERVAL	REC (f	Cl (ppm)	PID (ppm)
	SM-SILTY SAND, fine grained, brown, dry				2			<120	1.4
-5	CALICHE		4.00		4	1		156	0.
-	SM-SILTY SAND, fine grained, brown, dry		6.00					1792	3.
	, , , ,]					1792	4.
- 10								1328	3.
- 15]					1648	23
- 20								1648	28
20]					1040	
25	SANDSTONE, SANDSTONE, medium grained,		25.00		25'			1648	31
	tan, dry	::::							
30	CH-CLAY, fat, brown, dry	////	30.00					2048	18
	5.7 5 <u>2</u> 1., 12., 2.5, 2.,								
35			35.00	Cement-				2048	23
	SANDSTONE, fine to medium grained, brown, dry			Bentonite Grout					
40		::::	40.00		10			200	4.5
-40	SANDSTONE, medium grained, tan/gray, dry		40.00		40'			320	45
		::::							
45	SANDSTONE, fine to medium grained, tan, dry		45.00		45'			<120	26
		::::							
- 50	SANDSTONE, fine to medium grained, brown,	::::	50.00					188	2.8
	dry	::::							
- 55		::::			55'			1068	5.
		::::							
-60	CH-CLAY, fat, brown, dry		60.00					<120	76
- 65								160	38
-70	CANDOTONIC meadium arrained to the		70.00					320	16.
	SANDSTONE, medium grained, tan, dry	::::							
N	OTES: MEASURING POINT ELEVATIONS MAY CHANG	GE; REFE	ER TO CUR	RENT ELEVATION TABLE					
	CHEMICAL ANALYSIS								

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 2 of 2 HOLE DESIGNATION: PROJECT NAME: Flamenco Federal #1 SB-35 PROJECT NUMBER: 11220747 DATE COMPLETED: August 17, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING BGS ft BGS INTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC 75.00 <120 19.6 SANDSTONE, fine to medium grained, brown, 75' dry - 80 80.00 80' <120 4.9 END OF BOREHOLE @ 80.00ft BGS This boring was dry. 10/27/2 - 85 OVERBURDEN LOG Date: - 90 - 95 Report: --- 100 : GHD ENVIRO VOG. GLB R - 115 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 2 SB-36 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 8, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 2.1 <108 4.00 4' <108 3.4 **CALICHE** - 5 2056 13.3 8.00 1648 10.4 SM-SILTY SAND, fine grained, brown, dry 10/27/21 11.1 - 10 1232 - 15 15' 2400 19.3 OVERBURDEN LOG - 20 13.0 1648 Report: - 25 25.00 1648 29.3 SANDSTONE, fine to medium grained, tan, dry .GLB - 30 30.00 572 5.4 ENVIRO V06 CH-CLAY, fat, brown, dry - 35 35.00 Cement-848 95.4 GHD SANDSTONE, fine to medium grained, tan, dry Bentonite Grout 1148 142 40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 38.6 - 45 45.00 SANDSTONE, fine to medium grained, brown, - 50 50.00 50' >2604 208.6 CH-CLAY, fat, brown, dry - 55 55.00 480 85.9 SANDSTONE, fine grained, gray, dry 60.00 <120 20.2 60' 60 CH-CLAY, fat, brown, dry - 65 65' 320 49.8 - 70 70.00 420 3.7 MUDSTONE, very fine grained, brown/red, dry

MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

NOTES:

CHEMICAL ANALYSIS

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STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 2 of 2 SB-36 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 8, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS PID (ppm) INTERVAL NUMBER CI (ppm) \equiv REC 75.00 <120 11.4 SANDSTONE, medium grained, tan, dry 75' - 80 80.00 80' <120 5.4 END OF BOREHOLE @ 80.00ft BGS This boring was dry. 10/27/2 - 85 OVERBURDEN LOG Date: - 90 - 95 Report: --- 100 : GHD ENVIRO VOG. GLB R - 115 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-37 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: August 8, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2' 1.2 <120 4.00 4' 572 2.1 **CALICHE** 5 1232 7.3 1648 4.5 10/27/21 - 10 10.00 1908 4.5 SM-SILTY SAND, fine grained, brown, dry - 15 15.00 852 5.2 OVERBURDEN LOG SP-SILTY CALICHE SAND, medium grained, tan, dry - 20 20.00 920 3.6 SM-SILTY SAND, fine grained, brown, dry Report: -- 25 436 3.7 GLB - 30 30.00 30' 1908 53.0 ENVIRO_V06 CH-CLAY, fat, brown, dry Cement-Bentonite Grout - 35 35.00 1324 68.0 GHD SANDSTONE, fine to medium grained, tan, dry 1908 67.0 -40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 45' 732 86.7 - 45 45.00 CH-CLAY, fat, brown, dry - 50 1772 37.1 - 55 55.00 1068 17.1 CL-SANDY CLAY, fine grained, gray, dry 108 13.1 60.00 60' 60 CH-CLAY, fat, brown, dry 65.00 - 65 <108 65' 19.3 END OF BOREHOLE @ 65.00ft BGS This boring was dry. - 70 I:\LOG NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-38 PROJECT NUMBER: 11220747 DATE COMPLETED: August 7, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2' 0.3 <120 4.00 4' >1604 1.7 CALICHE 5 >1604 12.5 SM-SILTY SAND, fine grained, brown, dry >1604 9.7 10/27/21 11.0 - 10 1232 - 15 15.00 920 38.1 CL-SANDY CLAY, fine grained, brown, dry OVERBURDEN LOG - 20 17.4 20.00 20' 2052 SM-SILTY SAND, fine grained, brown, dry Report: -- 25 1424 33.0 GLB - 30 30.00 856 19.7 ENVIRO_V06 SANDSTONE, fine to medium grained, tan to Cement-Bentonite Grout - 35 856 67.3 GHD 40.00 40' 676 105.3 - 40 SANDSTONE, medium grained, brown, dry DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 1224 34.7 - 45 - 50 50.00 1760 5.0 CH-CLAY, fat, brown, dry - 55 55.00 1224 14.5 CLAYEY SANDSTONE, fine grained, brown, dry 252 19.3 60' 60 - 65 65 00 65' 188 10.5 END OF BOREHOLE @ 65.00ft BGS This boring was dry. - 70 I:\LOG NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-39 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 26, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING BGS ft BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 0.8 <120 4' <120 0.5 - 5 Cement-Bentonite 10/27/21 Grout 10' - 10 <120 7.3 Date: 15.00 15' - 15 <120 20.1 OVERBURDEN LOG END OF BOREHOLE @ 15.00ft BGS This boring was dry. - 20 Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

Page 1 of 1

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-40

PROJECT NUMBER: 11220747 DATE COMPLETED: July 26, 2021
CLIENT: EOG Resources DRILLING METHOD: Sonic
LOCATION: Eddy County, New Mexico. EIEL D. PERSONNEL: C. Neligh

	I: Eddy County, New Mexico		FIELD PI	ERSONNEL: C. Neligh					
	CONTRACTOR: Cascade		DRILLER	R: Cole					
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH BGS	SOIL BORING	JER J		(ft)		pm)
					NUMBER	INTERVAL	REC	(mad) D	PID (ppm)
- - - -5	SM-SILTY SAND, fine grained, red/brown, dry SANDY CALICHE, fine grained, tan, dry		4.00		2'				0.6 0.5
- 10				Cement- Bentonite	10'			<120	5.1
- 10 - 15 - 20 - 25 - 30 - 35 - 40	SANDSTONE, fine to medium grained, gray		15.00	Grout	15'			1600	12.6
- 20	END OF BOREHOLE @ 20.00ft BGS		20.00				_	1604	5.6
- 25	This boring was dry.								
- 30									
- 35									
-40									
50									
- 55 - 55									
60									
65									
-45 -50 -55 -60 -70									
NC	OTES: MEASURING POINT ELEVATIONS MAY CHANG	E; REFE	R TO CUR	RENT ELEVATION TABLE					
	CHEMICAL ANALYSIS								

Page 1 of 1

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-40A

PROJECT NUMBER: 11220747 DATE COMPLETED: August 12, 2021

CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh

DRILLIER Cole	LOCATIO	N: Eddy County, New Mexico		FIELD P	ERSONNEL: C. Neligh					
SM-SILTY SAND, fine grained, brown, dry SM-SILTY SAND, fine grained,	DRILLING	CONTRACTOR: Cascade		DRILLER	R: Cole					
SM-SILTY SAND, fine grained, brown, dry CALICHE SM-SILTY SAND, fine grained, brown, dry Cement-Bentonite Grout Cement-Bentonite Grout 107 187 6.3 187 6.3 This boring was dry.	DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS		DEPTH BGS	SOIL BORING	<u>~</u>		Ι		Ê
CALICHE SM-SILTY SAND, fine grained, brown, dry SM-SILTY SAND, fine grained, brown, dry SM-SILTY SAND, fine grained, brown, dry 20 SANDSTONE, fine to medium grained, tan, dry END OF BOREHOLE @ 25.00ft BGS This boring was dry.						NUMBE	INTERV.	REC (fi	CI (ppm	PID (ppr
SM-SILTY SAND, fine grained, brown, dry 10 Cement-Bentonite Grout 20 SANDSTONE, fine to medium grained, tan, dry 20 20 20 20 20 20 20 20 20 2				4.00		\rightarrow				
SM-SILTY SAND, fine grained, brown, dry 10 11 120 7.1 120 7.1 120 7.1 120 7.1 120 187 6.3 187 6.3 108 2.1 108 2.1 109 109 109 109 109 109 109 1	-5 -					7			<120	5.0
	01 10/27/21	SM-SILTY SAND, fine grained, brown, dry		8.00	Cement-	10'	1			
	DO DOE DE CENTO DE CE				Bentonite Grout				<120	6.3
	OVERBUR 	SANDSTONE, fine to medium grained, tan, dry	::::	20.00		20'	1		187	6.3
	25 – 25 –	END OF BOREHOLE @ 25.00ft BGS		25.00		25		1	108	2.1
	90.00 - 30 - 30	This boring was dry.								
	0HD - 35									
	Library File: 									
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE										
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE	05 - 1000/11/2207									
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE	0747 FLAME									
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE	09									
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE	65									
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS	MABASE(8-CHAR 									
CHEMICAL ANALYSIS		OTES: MEASURING POINT ELEVATIONS MAY CHANGE	E; REF	ER TO CUR	RENT ELEVATION TABLE					
CHEWICAL AVALUATION	 6 	CHEMICAL ANALYSIS								

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 SB-41 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: PROJECT NUMBER: 11220747 DATE COMPLETED: July 27, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' 0.8 <120 4' <120 0.5 - 5 Cement-Bentonite 10/27/21 Grout 10' - 10 <120 27.6 Date: 15.00 15' - 15 <120 43.0 OVERBURDEN LOG END OF BOREHOLE @ 15.00ft BGS This boring was dry. - 20 Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-42 PROJECT NUMBER: 11220747 DATE COMPLETED: July 27, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, red/brown, dry 2' <120 0.8 4.00 4' <120 0.6 CALICHE - 5 Cement-Bentonite 10/27/2 Grout 10' <120 34.2 - 10 10.00 SANDSTONE, fine to medium grained, tan brown, dry Date: 15' - 15 15.00 <120 18.9 OVERBURDEN LOG END OF BOREHOLE @ 15.00ft BGS This boring was dry. - 20 Report: -- 25 9 ENVIRO V06.GLB 7 30 - 35 Library File: GHD -40 |:\LOG DATABASE\8-CHAR\11---\1122--\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-43 PROJECT NUMBER: 11220747 DATE COMPLETED: August 18, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS (mdd) NTERVAL NUMBER CI (ppm) \equiv REC PD SM-SILTY SAND, fine grained, brown, dry 2' 32 >2604 4' >2604 3.0 5 >2604 11.0 17.4 >2604 10/27/21 >2604 32.6 - 10 - 15 15.00 >2604 32.0 OVERBURDEN LOG CH-CLAY, fat, brown, dry - 20 20.00 27.7 >2604 SM-SILTY SAND, fine grained, brown, dry Report: -- 25 25.00 25' 1648 38.3 SANDSTONE, fine to medium grained, white, Cement-GLB Bentonite Grout 792 37.2 - 35 35.00 35' 2406 7.2 왕 CH-CLAY, fat, brown, dry 40' 160 13.3 -40 DATABASE\8-CHAR\11----\1122---\11220747 FLAMENCO\11220747-CO.GPJ 45.00 45' 160 38.3 - 45 SANDSTONE, medium grained, tan/yellow, dry - 50 50.00 50' 138 21.5 CLAYEY SANDSTONE, brown, dry - 55 55.00 55' <120 10.3 END OF BOREHOLE @ 55.00ft BGS This boring was dry. 60 - 65 - 70 I:\LOG I NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN) Page 1 of 1 PROJECT NAME: Flamenco Federal #1 HOLE DESIGNATION: SB-44 PROJECT NUMBER: 11220747 DATE COMPLETED: August 6, 2021 CLIENT: EOG Resources DRILLING METHOD: Sonic LOCATION: Eddy County, New Mexico FIELD PERSONNEL: C. Neligh DRILLING CONTRACTOR: Cascade DRILLER: Cole SAMPLE DEPTH DEPTH STRATIGRAPHIC DESCRIPTION & REMARKS SOIL BORING ft BGS BGS NTERVAL PID (ppm) NUMBER CI (ppm) \equiv REC SM-SILTY SAND, fine grained, brown, dry 2' 2.1 <120 4.00 4' <120 0.9 SANDY CALICHE, fine grained - 5 1676 10.2 8' 7.8 8.00 2176 SM-SILTY SAND, fine grained, brown, dry 10/27/21 1472 - 10 4.5 - 15 15.00 14.1 Cement-436 OVERBURDEN LOG CH-CLAY, brown, dry Bentonite Grout - 20 11.5 735 Report: -- 25 25.00 25' <120 14.5 SANDSTONE, fine to medium grained, gray/tan, dry 9 ENVIRO V06.GLB 7 30 30.00 30' <120 9.5 END OF BOREHOLE @ 30.00ft BGS This boring was dry. - 35 왕 Library File: -40 |:\LOG DATABASE\8-CHAR\11---\1122--\11220747 FLAMENCO\11220747-CO.GPJ NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE CHEMICAL ANALYSIS

PAGE I OF 2

FILE NO

LOCATION

	VELL NO	1.)	I		0.			S)			
WELL OWNER)	-				PHONE (OPTIONAL) 432-848-9146				
WELL OWNER	MAILING						CITY STATE Midland Texas			ZIP 79706	
WELL LOCATION LA			EGREES 32	1		* ACCURACY REQUIRED ONE TENTH OF A SECOND					
(FROM GPS)	-		-103	105 45 11.00 W							
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE Approximately 10.5 south of US Highway 62/180											
LICENSE NO.		NAME OF LICENSEE	DRILLER	Shawn Cain							
DRILLING STARTED DRILLING ENDED 8/3/21 8/3/21			DEPTH OF COMPLETED WELL (FT) NA BORE HO					DEPTH WATER FIR	ST ENCOUNTERED (FT	Γ)	
COMPLETED W	ELL IS	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED)			STATIC WATER LEVEL IN COMPLETED WELL (FT) NA					
DRILLING FLUI	D.	AIR	☐ MUD	ADDIT	IVES SPI	ECIFY:					
DRILLING MET	HOD:	ROTARY	HAMMER	CABLE	TOOL	OTHE	R - SPECIFY		Roto Sonic		
DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)			CASING CONNECTION TYPE (add coupling diameter)		CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches	
				+							
DEPTH (fe	et bgl)	BORE HOLE						AMOUNT			
FROM	TO		GRAN				RVAL				
0	105	6		Cement with 5% Bentonite			23	Trimae P	'umped		
	POD 12 WELL OWNER: EOG RESOURCE WELL OWNER: 5509 Champi WELL LOCATION (FROM GPS) DESCRIPTION Aproximately LICENSE NO. 1664 DRILLING STAIR 8/3/21 COMPLETED W. DRILLING FLUIT DRILLING MET DEPTH (for	POD 12 WELL OWNER NAME(S EOG Resources) WELL LOWNER MAILING 5509 Champions Driver to the property of the pro	WELL OWNER NAME(S) EOG Resources WELL OWNER MAILING ADDRESS 5509 Champions Drive WELL LOCATION LATITUDE LONGITUDE DESCRIPTION RELATING WELL LOCATION TO Aproximately 10.5 south of US Highwa LICENSE NO 1664 DRILLING STARTED ARTESIAN DRILLING STARTED AIR DRILLING FLUID AIR DRILLING METHOD: ROTARY DEPTH (feet bgl) BORE HOLE FROM TO DIAM (inches) DEPTH (feet bgl) BORE HOLE DIAM (inches)	WELL OWNER NAME(S) EOG Resources WELL OWNER MAILING ADDRESS 5509 Champions Drive WELL DOCATION (FROM GPS) LATITUDE 32 LONGITUDE -103 DESCRIPTION RELATING WELL LOCATION TO STREET ADDR APPOXIMATELY 10.5 south of US Highway 62/180 LICENSE NO 1664 DRILLING STARTED BRILLING ENDED DEPTH OF COS 8/3/21 COMPLETED WELL IS: ARTESIAN DRY HOLD DRILLING METHOD: ROTARY HAMMER DEPTH (feet bgl) BORE HOLE OIAM (inches) DEPTH (feet bgl) BORE HOLE OIAM (inches) DEPTH (feet bgl) BORE HOLE OIAM (include contests) DEPTH (feet bgl) BORE HOLE OIAM (inches)	POD 12 WELL OWNER NAME(S) EOG Resources WELL OWNER MAILING ADDRESS 5509 Champions Drive WELL LOCATION (FROM GPS) DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON APTOXIMATELY 10.5 south of US Highway 62/180 LICENSE NO. 1664 DRILLING STARTED BY ARTESIAN DRY HOLE SHALL OR	POD 12 WELL OWNER NAME(S) EOG Resources WELL OWNER MAILING ADDRESS 5509 Champions Drive WELL DEGREES MINUTES SECTION (FROM GPS) LONGITUDE 32 24 15 DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDS Aproximately 10.5 south of US Highway 62/180 LICENSE NO 1664 DRILLING STARTED 8/3/21 DRILLING STARTED 8/3/21 DRILLING STARTED BRILLING ENDED BRILLER DRILLING STARTED BRILLING ENDED BRILLING METHOD: ROTARY HAMMER CABLE TOOL DEPTH (feet bgl) BORE HOLE DIAM (inches) DEPTH (feet bgl) BORE HOLE GRADE (include each casing string, and note sections of screen) DEPTH (feet bgl) BORE HOLE GRADE (include each casing string, and note sections of screen)	POD 12 WELL OWNER MAILING ADDRESS 5509 Champions Drive WELL LOCATION (FROM GPS) LONGITUDE -103 43 11.00 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS Aproximately 10.5 south of US Highway 62/180 LICENSE NO. 1664 DRILLING STARTED 8/3/21 BRILLING ENDED NA DRILLING STARTED BRILLING ENDED BRILLER SHALLOW (UNCONFINED) DRILLING FLUID AIR MUD ADDITIVES SPECIFY: DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER DEPTH (feet bgl) BORE HOLE DIAM (Inches) DEPTH (feet bgl) BORE HOLE GRADE (Include each casing string, and note sections of screen) DEPTH (feet bgl) BORE HOLE GRADE (Include each casing string, and note sections of screen) DEPTH (feet bgl) BORE HOLE GRADE (Include each casing string, and note sections of screen)	POD 12 WELL OWNER MAILING ADDRESS STORY WELL OWNER MAILING ADDRESS STORY WELL LOCATION (FROM GPS) LATITUDE WELL LOCATION (FROM GPS) LONGITUDE DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS LICENSE NO 1664 DRILLING STARTED BY 3/21 DRILLING STARTED BY 3/21 DRILLING STARTED BY 3/21 DRILLING FLUID AIR MUD ADDITIVES SPECIFY DEPTH (feet bgl) DEPTH (feet bgl)	POD 12 WELL OWNER NAME(S) EOG RESOURCES WELL OWNER MAILING ADDRESS 5509 Champions Drive DEGREES MINUTES SECONDS LATITUDE 32 24 15.17 N *ACCURACY REQUIRED ONE TEN *ACPURACY REQUIRED ONE TEN *APPROXIMATE OF THE NAME OF THE NAME OF THE NAME OF WELL OR APPROXIMATE OF THE NAME OF T	POD 12 WELL OWNER NAME(S) EVEL OWNER MAILING ADDRESS 5509 Champions Drive DEGREES MINUTES SECONDS 15.17 N Midland Texas WELL LOCATION (FROM OFF) LATITUDE 103 43 11.00 W DATUM REQUIRED WGS 84 DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Aproximately 10.5 south of US Highway 62/180 LICENSE NO 1664 DRILLING STARTED 18/3/21 BANKE OF LICENSED DRILLER SINAUL SHALLOW (INCONFINED) DEFTH WATER FIRST COMPLETED WELL IFT) NA STATIC WATER LEVEL IN COMPLETED WELL IFT) NA STATIC WATER LEVEL IN COMPLETED WELL FOR THE SPECIFY DRILLING BENDED DRILLING ENDED ARE MUD ADDITIVES SPECIFY DRILLING METHOD: DEFTH (Feet bgl) BORE HOLE DIAM (Inches) DIAM (Inches) DEFTH (Feet bgl) BORE HOLE DIAM (Inches) DIAM (Inches) DIAM (Inches) DEFTH (Feet bgl) BORE HOLE DIAM (Inches) DIAM	

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PAGE 2 OF 2

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FILE NO.

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	DEPTH (fe	ect bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED YIELD FOR				
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)		WATER- BEARING ZONES (gpm)				
RI I	0	6	6	Fine Silty Sand Red/Brown	Y VN					
	6	10	4	Caliche	Y VN					
	10	15	5	Fine Clayey sand brown	Y VN					
	15	25	10	Fine sandstone brown	Y VN					
100	25	65	40	Fine silty sandstone Brown	Y VN					
	65	70	5	Medium Sandstone Gray	Y VN					
/ELI	70	85	15	Fine silty sandstone Brown	Y VN					
JF W	85	90	5	Fine to Medium Sandstone	YVN					
000	90	95	5	Fine - Very fine Fat Clay Brown	Y N					
CLC	95	105	10	Fine to medium sandstone	YN					
4. HYDROGEOLOGIC LOG OF WELL					YN					
103					YN					
DO.					YN					
YOF					YN					
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			<u> </u>		YN					
Jan 1	METHODIIS	ED TO ES	TIMATE VIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED					
	_ `	_	_		WELL YIELD (gpm):	0.00				
	PUMP	A	IR LIFT	BAILER OTHER – SPECIFY:						
TEST; RIG SUPERVISION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD. START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION:									
EST	PRINT NAM	E(S) OF D	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSEE:				
5. Ti	Jason Camp	_(0) 01 1/1			o o					
30	Jason Camp									
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAWITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL	S BEEN INSTALLED AT	ND THAT THIS				
6. SIGN		St	2	Shawn Cain	11/19/21					
9		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE					
	D OSE INTERN	TAT HOP		We do We	II DECODD & LOC (V-	rsion 04/30/2010\				
rUl	R OSE INTERN	AL USE		WK-20 WE	LL RECORD & LOG (Ve	121011 04/20/2019)				

POD NO.

TRN NO.







NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. G	ENERAL / WELL OWNE	CRSHIP:						
State	Engineer Well Number: Pl	/W-10					8	
Well	owner: EOG Resources				2	Phone No.: 432-8		-848-9146
Maili	ing address: 5509 Champio	ns Drive						
City:	Midland		State		T	exas		Zip code:
<u>II. V</u>	VELL PLUGGING INFO	RMATION:						
1)	Name of well drilling co	ompany that plug	gged well:	Cascade l	Orilling		5-245	
2)	New Mexico Well Drill					-	Expira	ntion Date: 1/31/23
3)	Well plugging activities Cliff Hillman	were supervised	l by the foll	owing we	ll driller	(s)/rig su	pervisor(s):
4)	Date well plugging bega	an: 8/3/2021		Date	well pl	ugging co	oncluded:	8/3/2021
5)	GPS Well Location:	Latitude: Longitude: _	32 -103	deg, deg,	24 43	min, min,	15.17 11.00	_ sec _ sec, WGS 84
6)	Depth of well confirmed by the following manne		plugging as	:105	ft be	olow grou	ınd level (bgl),
7)	Static water level measu	ired at initiation	of plugging	: None	ft bg	gl		
8)	Date well plugging plan	of operations w	as approved	l by the St	ate Eng	ineer: 🔄	3/24/2021	<u>2</u> 5
9)	Were all plugging activi	ities consistent w	ith an appr	oved plug	ging pla	n?	Yes	_ If not, please desc
l								

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	185	162	Tremie	Boring no water
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_	I	MULTIPLY E	BY AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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	OSE POD NO	. (WELL NO.	.)		WELL TAG ID NO			OSE FILE NO	S).		
O	POD 13				PMW-11			C-4144			
Ę	WELL OWN	ER NAME(S)						PHONE (OPTIONAL)			
00	EOG Resor	urces						432-848-914	6		
LL	WELL OWN	ER MAILING	ADDRESS					CITY		STATE	ZIP
EL	5509 Cham	pions Dri	ve					Midland		Texas	79706
D V			- Di	GREES	MINUTES	SECON	De	l I			
A	WELL		Di	32	24	08.6	1	* ACCLIBACY	PLOUIDED ONE TEXT	TU OF A SECOND	
AL	LOCATIO	LA	TITUDE		· 		N	* ACCURACY REQUIRED. ONE TENTH OF A SECOND * DATUM REQUIRED. WGS 84			
GENERAL AND WELL LOCATION	(FROM GF	LON	NGITUDE .	-103	43	23.2	8 W				
Ğ	DESCRIPTION	ON RELATIN	G WELL LOCATION TO	STREET ADD	LESS AND COMMON	LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
-	Aproximate	ely 10.5 sc	outh of US Highwa	y 62/180							
	<u> </u>										
	LICENSE NO		NAME OF LICENSED	DRILLER	Ch. Co.				NAME OF WELL DRI		
	166	54			Shawn Cain					ascade Drilling	
								LE DEPTH (FT)	DEPTH WATER FIRS	ST ENCOUNTERED (FT)
	8/5/	21	8/5/21		NA			105		NA	
					P DRY HOLE SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA		
Z	COMPLETE	D WELL IS:	ARTESIAN	DRY HO							
CASING INFORMATION	DRILLING F	LUID:	AIR	MUD	ADDITIVE	ES - SPEC	IFY:		1		
MA	DRILLING METHOD: ROTARY		ПАММЕ	CABLE TO	100	✓ OTHE	R – SPECIFY		toto Sonic		
Ö											
Z	DEPTH (feet bgl) BORE HOL		BORE HOLE	CASING	MATERIAL AND GRADE	/OR	CA	SING	CASING	CASING WALL	SLOT
SG	FROM TO		DIAM	finelude each easing string, and				ECTION	INSIDE DIAM.	THICKNESS	SIZE
ASI			(inches)					YPE ling diameter)	(inches)	(inches)	(inches)
& C											
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. 3	DEPTH	(feet bgl)	BORE HOLE	1	ST ANNULAR SE				AMOUNT	METHO	
IAI	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE	BY INTE	RVAL	(cubic feet)	PLACE	MENT
Ē	0	105	6		Cement with	5% Ben	onite		23	Trimie P	umped
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ANNULAR MATERIAL											
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FOR	OSE INTER	NAL USE						WR-20	WELL RECORD &	& LOG (Version 04/3	30/19)

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PAGE 2 OF 2

	DEPTH (feet bgl)		COLOR A	ND TYPE OF MATERIAL ENC	OUNTERED.		WATER	ESTIMATED	
	FROM	то	THICKNESS (feet)	INCLUDE WAT	ER-BEARING CAVITIES OR F	RACTURE ZON	ES BI	EARING? (ES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)	
	0	6	6		Fine Silty Sand Red/Brown	1	/ / N			
	6	10	4		Caliche		,	/ /N		
	10	15	5		Fine Clayey sand brown		7	/ VN		
	15	25	10		Fine sandstone brown		3	/ /N		
	25	60	35		Fine silty sandstone Brown		1	/ / N		
-	60	70	10		Fat Clay Brown		١	∕ VN		
WEI	70	85	15		Fine silty sandstone Brown		١	/ /N		
OF	85	105	20		Fine to Medium Sandstone		١	/ / N		
9							1	' N		
HYDROGEOLOGIC LOG OF WELL							١	' N		
ğ							١	' N		
CEC							١	' N		
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	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARIN	G STRATA:		TOTAL ES			
	PUMP AIR LIFT BAILER OTHER - SPECIFY:						WELL YIE	LD (gpm):	0.00	
VISION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION:									
TEST; RIG SUPERVISI										
TES	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVISIO	N OF WELL CO	STRUCTION	OTHER TH	IAN LICENSEE	
wi —	Jason Camp	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Camp								
SIGNATURE	RECORD OF	F THE ABO	OVE DESCRIBED	WELL, I ALSO CERT	OF MY KNOWLEDGE AND E FIFY THAT THE WELL TAG, I HOLDER WITHIN 30 DAYS AI	F REQUIRED, H.	AS BEEN INS	TALLED AT	ND THAT THIS	
6. SIGN		SL-C	1800 <u> </u>		Shawn Cain		ı	1/19/21		
9		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			DATE		
FOI	R OSE INTERI	NAL USE				WR.20 W/	I.I. RECORD	& LOG (Ve	rsion 04/30/2019	
	E NO.				POD NO.	TRN NO.	LL RECORD	~ 200 (46	.5.0(1 0-1 30/ 2013	





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

•	NERAL / WELL OWNERSHIP:
State :	ngineer Well Number: PMW-11 wner: EOG Resources Phone No.: 432-848-9146
Maili	g address: 5509 Champions Drive
City:	Midland State: Texas Zip code: 79706
11 W	ELL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well: Cascade Drilling
2)	New Mexico Well Driller License No.: 1664 Expiration Date: 1/31/23
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Cliff Hillman
4)	Date well plugging began: 8/5/2021 Date well plugging concluded: 8/5/2021
5)	GPS Well Location: Latitude: 32 deg, 24 min, 8.61 sec Longitude: -103 deg, 43 min, 23.28 sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as:105
7)	Static water level measured at initiation of plugging: None ft bgl
8)	Date well plugging plan of operations was approved by the State Engineer: 3/24/2021
9)	Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Neat Cement 185 162 Tremie Boring no water	open etc.)
_	
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\dashv \mid \mid \mid	
-	
-	
MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons	

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

201.97

cubic yards

Signature of Well Driller

gallons

Date

11/20/21

Version: September 8, 2009

Released to Imaging: 5/2/2022 3:37:29 PM

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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Z	OSE POD NO POD 14). (WELL NO.	.)		WELL TAG ID NO SB-12).		OSE FILE NO	S).		
TIO	WELL OWN	ER NAME(S)						PHONE (OPTIONAL)			
OCA	EOG Resor							432-848-9146			
LL	WELL OWN							CITY	.	STATE	ZIP
WE	5509 Chan	npions Dri	ve					Midland		Texas	79706
AND WELL LOCATION	WELL		Di	GREES	MINUTES	SECO					
AL,	LOCATIO		TITUDE	32	24	09.	N		REQUIRED: ONE TEN	TH OF A SECOND	
GENERAL	(FROM GP	LON	RGITUDE	-103	43	21.		<u> </u>	QUIRED: WGS 84		
1. GE	l		G WELL LOCATION TO outh of US Highwa		ESS AND COMMO	N LANDM	ARKS - PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
081	LICENSE NO).	NAME OF LICENSED	DRILLER				NAME OF WELL DRILLING COMPANY			
	166	54			Shawn Cain				C	ascade Drilling	
	DRILLING S		DRILLING ENDED 8/7/21	DEPTH OF COMPLETED WELL (FT) NA BORE I			BORE HO	LE DÉPTII (FT) 60	DEPTH WATER FIR	ST ENCOUNTERED (FT))
	3/7/21			NA				STATIC WATER I EV	1997 11	ti (ET)	
Z	COMPLETED WELL IS: ARTESIAN			DRY HOLE SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA			
\TI0	DRILLING F	LUID:	AIR	MUD	ADDITI	VES - SPEC	CIFY:				
RM	DRILLING M	IETHOD:	ROTARY	[] HAMMER	CABLE	TOOL	OTHE	R – SPECIFY:	F	Roto Sonic	
& CASING INFORMATION	DEPTH (feet bgl) BORE HOLE			CASING	MATERIAL AN	D/OR	CA	ASING	CASING	CASING WALL	SLOT
	FROM TO		DIAM (inches)	(include each casing string, and note sections of screen)		CONNECTION TYPE (add coupling diameter)		INSIDE DIAM. (inches)	THICK NESS (inches)	SIZE (inches)	
& C											
DRILLING											
III										<u> </u>	
2. DI		,							<u> </u>	<u></u>	
	DEPTH	(feet bgl)	BORE HOLE		ST ANNULAR S				AMOUNT	метно	
IAL	FROM	то	DIAM. (inches)	GRA'	VEL PACK SIZE			RVAL	(cubic feet)	PLACEN	
TE	0	60	6		Cement wit	h 5% Ber	itonite		14	Trimie Pr	umped
R MA					 						
ANNULAR MATERIAL											
INN											
3. A											
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FOR	OSE INTER	NAL USE						WR-2	0 WELL RECORD	& LOG (Version 04/3	0/19)

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FOR OSE INTERNAL USE

FILE NO.

LOCATION

WR-20 WELL RECORD & LOG (Version 04/30/2019)

PAGE 2 OF 2

TRN NO.

WELL TAG ID NO.

				-		
	DEPTH (I	feet bgl)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)		
18.	0	2	2	Fine Silty Sand Red/Brown	Y VN	
7.	2	6	4	Caliche	Y VN	
	6	8	2	Fine silty sand brown	Y VN	
XW	- 8	10	2	Fine Sandy Clay Brown	YVN	
	10	30	20	Fine silty sand Brown	YVN	
2000			10	Fine to medium sandstone Brown	YVN	
4. HYDROGEOLOGIC LOG OF WELL	30	40			YVN	
- M	40	50	10	Very fat clay Brown		
00	50	60	10	Fine to Medium Sandstone	Y V	
07					Y N	
Cic					Y N	
20					Y N	
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m					Y N	
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1	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	PUMI	> □ _A	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00
				Johnson Green		
NOISI	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE		
	MISCELLA	NEOUS INF	ORMATION:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
TEST; RIG SUPERV						
SSU						
; RI						
EST	PRINT NAM	(F(S) OF DI	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	STRUCTION OTHER TH	AN LICENSEE
5. T	Jason Camp	.0(0) 01 0.	KILD NIG DOT DI	The state of the s	orkoorion oriizk iii	THE BIOCHTONS.
	- San Camp					
RE	RECORD OF	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL, I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAWITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL	S BEEN INSTALLED AN	ND THAT THIS
ATU	WELL KEC	OND HILL	66 1 1660	THE COMPLETE THE C	ELION OF WELL DRILL	
SIGNATURE			SLC	Shawn Cain	11/19/21	
6.5		SIGNAT		R / PRINT SIGNEE NAME	DATE	

POD NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

/ell	Engineer Well Number: Stowner: EOG Resources					Phone	No . 432	2-848-9146	
ren faili	ng address: 5509 Champio	ns Drive			Phone No.: 432-848-9146				
ity:	Midland		State:	State:		Texas		Zip code: 79706	
<u>. W</u>	ELL PLUGGING INFO								
	Name of well drilling co	ompany that plug	ged well: _	Cascade I	Drilling				
	New Mexico Well Drill	er License No.:	1664				_ Expira	ation Date: 1/31/23	
	Well plugging activities Cliff Hillman	were supervised	by the follo	owing we	ll driller	(s)/rig su	pervisor(s	s):	
	Date well plugging beg	an: 8/7/2021		Date	well pl	ugging co	ncluded:	8/7/2021	
	GPS Well Location:	Latitude: Longitude:	32 -103	deg,	24	min,	9.24	_ sec _ sec, WGS 84	
	Depth of well confirmed by the following manner	d at initiation of p							
	Static water level measu	ared at initiation	of plugging	None	ft bg	gl			
	Date well plugging plan	of operations w	as approved	by the S	ate Engi	ineer:	3/24/2021	-	
ı	Were all plugging activ differences between the						Yes (attach a	If not, please desc	
_									

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	110	93	Tremie	Boring no water
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		MULTIPLY F	Y AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

_

11/20/21

Date

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO	. (WELL NO	.)		WELL TAG ID NO).		OSE FILE NO(S).			
Z	POD 16				SB-14			C-4144				
Ě	WELL OWNE	R NAME(S)	 I					PHONE (OPTIC	ONAL)			
CA	EOG Resou							432-848-9146				
7	WELL OWNE	D MAIL INC	ADDRESS					CITY		STATE	ZIP	
173	5509 Cham							Midland			79706	
*		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u> </u>					Texas	17100	
2	WELL		DI	EGREES	MINUTES	SECON						
LA	LOCATIO	N LAT	TITUDE	32 24 08.65 _N			5 N	* ACCURACY REQUIRED: ONE TENTII OF A SECOND				
₹.	(FROM GP	S)	COLLEGE	-103	43	21.8	5 W	* DATUM REC	QUIRED: WGS 84			
Z		LONGITUDE 100 TO 21.65 W										
1. GENERAL AND WELL LOCATION	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIJP, RANGE) WHERE AVAILABLE Approximately 10.5 south of US Highway 62/180											
	LICENSE NO		NAME OF LICENSED	DDUILED					NAME OF WELL DR	H I INC COMBANY		
	166		NAME OF LICENSED	DRILLER	Shawn Cain					ascade Drilling		
	I	DRILLING STARTED DRILLING ENDED 8/6/21 8/6/21					LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (F NA	T)		
	6707.		6/0/21		IIA							
	COMPLETED WELL IS: ARTESIAN			DRY HOL	LE SHALLO	W (UNCO	NFINED)	STATIC WATER LEVEL IN COMPLETED WELL NA			VELL (FT)	
TION	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY				IFY:		<u> </u>					
CASING INFORMATION	DRILLING METHOD: ROTARY			П наммён	CABLE T	TOOL	OTHE	R = SPECIFY:	I	Roto Sonic		
	DEPTH ((feet bgl)	BORE HOLE	CASING	MATERIAL ANI	D/OR		ASING	CASING	CASING WALL	SLOT	
G	FROM TO		DIAM	1	GRADE			NECTION	INSIDE DIAM.	THICKNESS	SIZE	
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ა				note	sections of section)	' —	(add coup)	ling diameter)		<u> </u>		
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2. DRILLING				-								
DR												
4												
	DEPTH ((feet bgl)	BORE HOLE	LI	ST ANNULAR SI	EAL MAT	ERIAL A	AND	AMOUNT	метн	OD OF	
AL	FROM	то	DIAM. (inches)	1	VEL PACK SIZE				(cubic feet)	PLACE		
R.	0	35	6	 	Cement wit	h 5% Beni	onite		7,5	Trimie	Pumned	
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3. ANNULAR MATERIAL												
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eų,												
FOR	OSE INTER	NAL USE						WR-20) WELL RECORD	& LOG (Version 04)	/30/19)	

POD NO.

TRN NO.

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PAGE 2 OF 2

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	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	2	2	Fine Silty Sand Red/Brown	Y VN	
	2	6	4	Caliche	Y VN	
	6	20	14	Fine silty sand brown	Y VN	
	20	30	10	Fat Clay Brown	Y VN	<u> </u>
	30	35	5	Medium sandstone White	Y VN	
					YN	
ÆLI				· · · · · · · · · · · · · · · · · · ·	Y N	
JF W					YN	
4. HYDROGEOLOGIC LOG OF WELL		<u> </u>			YN	
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EOL					YN	
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YDE					YN	
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					YN	
	METHODI	ICED TO E	TIMATE VIELD	OF WATER DEADING CTRATA.		
				OF WATER-BEARING STRATA:	TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	PUM	P	IR LIFT	BAILEROTHER = SPECIFY:	(85.11)	0.00
NOIS	WELL TES	T TEST STAR	RESULTS - ATT T TIME, END TII	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	CLUDING DISCHARGE NER THE TESTING PERIO	METHOD,
	MISCELLA	NEOUS IN	FORMATION:			
TEST; RIG SUPERV						
r Su						
; RI						
EST	PRINT NAM	AE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSEE:
5. T	Cliff Hillma	, ,				
.(()	Citi Tillina					
SIGNATURE	RECORD O	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN INSTALLED AN	ND THAT THIS
6. SIGN		St	-	Shawn Cain	11/19/21	
9		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
						EC .55. 7%
FO	R OSE INTER	NAL USE		WR-20 WE	LL RECORD & LOG (Vei	rsion 04/30/2019)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State En	ngineer Well Number: SB-14 wner: EOG Resources		Phone No.:	432-848-9146
Mailing	g address: 5509 Champions Drive		Texas	70706
City: N	nicialia	_ State:	rexas	Zip code: 79706
II. WE	LL PLUGGING INFORMATION:			
1)	Name of well drilling company that plugged	d well: Casca	de Drilling	
2)	New Mexico Well Driller License No.: 160	64	Ел	spiration Date: 1/31/23
3)	Well plugging activities were supervised by Cliff Hillman	the following	well driller(s)/rig supervis	or(s):
4)	Date well plugging began: 8/6/2021		Date well plugging conclud	led: 8/6/2021
5)	GPS Well Location: Latitude: Longitude:	32 deg,	24 min, 8.6 43 min, 21.	sec 85 sec, WGS 84
6)	Depth of well confirmed at initiation of plus by the following manner: tag line	gging as:	ft below ground lev	/el (bgl),
7)	Static water level measured at initiation of p	olugging: N	one ft bgl	
8)	Date well plugging plan of operations was a	approved by the	e State Engineer: 3/24/2	021
9)	Were all plugging activities consistent with differences between the approved plugging			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	70	54	Tremie	Boring no water
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	•	MULTIPLY 8	AND OBTAIN		

cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Date

11/20/21

FILE NO.

LOCATION

PAGE I OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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	OSE POD NO	. (WELL NO.)		WELL TAG ID NO			OSE FILE NO	S).					
O	POD 17				SB-15			C-4144						
Ę	WELL OWN	ER NAME(S)						PHONE (OPTIC	ONAL)					
OC.	EOG Resor	urces						432-848-9146						
7	WELL OWN	ER MAILING	ADDRESS					CITY		STATE	ZIP			
EL	5509 Cham							Midland Texas 79706						
3		<u> </u>												
Z	WELL		Di	EGREES	MINUTES	SECO								
7	LOCATIO	N LAT	TTUDE	32	24	US	.09 _N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND				
ER.	(FROM GP	'S)	KGITUDE	-103	43	21	.79 W	* DATUM REC	QUIRED: WGS 84					
GENERAL AND WELL LOCATION	DISCRIPTION		1.	O CTRUCT A DOI	IABVC - DIC	e relication to	WARLING BANCES WIT	LOU ANALY ADDIT						
J. G	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIJP, RANGE) WHERE AVAILABLE Approximately 10.5 south of US Highway 62/180													
	Aproximan	ciy 10.5 sc	duit of OS Highwa	y 02/160										
	LICENSE NO	١,	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY				
	1664 Shawn Cain								С	ascade Drilling				
	DRILLING ST	TARTED	DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F	T)	BORE HOL	.E DEPTH (FT)	DEPTH WATER FIRS	ST ENCOUNTERED (FT)	1			
	8/6/		8/6/21		NA 45				NA					
								STATIC WATER LEVEL IN COMPLETED			11 (ET)			
	COMPLETED	COMPLETED WELL IS: ARTESIAN			E SHALLO	W (UNC	ONFINED)		JIMINE WATER CEV	NA	SEE (FT)			
Ö					5674									
ΑŢ	DRILLING FI	LUID:	☐ AIR	MUD	ADDITIV	ES – SPE	CIFY:							
)RM	DRILLING M	ETHOD:	ROTARY	ПАММЕ	CABLE 1	OOL	OTHE	R – SPECIFY:	A	Roto Sonic				
DRILLING & CASING INFORMATION	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL ANI	O/OR		SING	CASING	CASING WALL	SLOT			
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د	L	(feet bgl)	BORE HOLE DIAM. (inches)	1	ST ANNULAR SI VEL PACK SIZE				AMOUNT (cubic feet)	METHO PLACEN				
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PAGE 2 OF 2

	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	2	YVN	ZONES (gpiii)		
w.	ļ		2	Fine Silty Sand Red/Brown		
-	2	4	2	Caliche	YVN	
	4	10	6	Fine silty sand brown	Y VN	
11	10	15	5	Fat Clay Brown	Y VN	
X	15	30	15	Fine silty sand Brown	Y VN	
מר	30	42	12	Medium silty sandstone Tan	YVN	
WE	42	45	3	Fat clay Brown	Y VN	
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HYDROGEOLOGIC LOG OF WELL	!				Y N	
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	□римі		IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00
		^	IK ENT	DAILER SPECIFI.		
ISION	WELL TES	STAR	T TIME, END TI	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	CLUDING DISCHARGE ! ER THE TESTING PERIC	METHOD, DD.
RVI	MISCELLA	NEOUS INF	ORMATION:			
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T; R						
TES	PRINT NAM	1E(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSEE:
หก๋	Cliff Hillma	n				
	DV groves	C below	(Oppositive to)	AT TO THE DEET OF MY VIOLET FOOD AND SELECT	PAGNIC IS I TO I	ND 0000000
SIGNATURE	RECORD O	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL, I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN INSTALLED AN	ND THAT THIS
6. SIGN		Sh	<u>C</u>	Shawn Cain	11/19/21	
		SIGNATI	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
EOL	OCE INTER	MALUSE		We so we	II BECORD & LOCAL	04/20/2010:
rut	OSE INTER	ANT ORF		WR-20 WE	LL RECORD & LOG (Ver	rsion 04/30/2019)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Engineer Well Number: SE	D-10					
owner: EOG Resources			Phone	No.: 432-	848-9146	
ng address: 5509 Champio	ns Drive					
ty: Midland		State: Texas			Zip code: 79706	
ELL PLUGGING INFO	RMATION:					
Name of well drilling co	ompany that plugged we	ell: Cascade	Drilling			
				Б.	1/	31/23
New Mexico Well Drill	er License No.:			Expira	tion Date:	01120
Well plugging activities Cliff Hillman	were supervised by the	following w	ell driller(s) rig su	pervisor(s)):	
Date well plugging bega	an: 8/6/2021	Da	te well plugging co	oncluded:	8/6/2021	
GPS Well Location:	Latitude: 32 Longitude: -10	deg, _ 3deg, _	24 min, 43 min,	8.09 21.79	_ sec _ sec, WGS 8	34
		g as:45	ft below grou	nd level (t	ogl),	
Static water level measu	red at initiation of plug	ging: Nor				
Date well plugging plan	of operations was appr	oved by the	State Engineer:3	3/24/2021	_	
				Yes (attach ad		lease describe
(powner: EOG Resources ag address: 5509 Champio Midland ELL PLUGGING INFOI Name of well drilling co New Mexico Well Drille Well plugging activities Cliff Hillman Date well plugging bega GPS Well Location: Depth of well confirmed by the following manner Static water level measu Date well plugging plan Were all plugging activities	Depth of well confirmed at initiation of pluggin by the following manner: Depth of well confirmed at initiation of plugging bate well plugging plan of operations was approvered by the glugging plan of operations was approved.	Depth of well confirmed at initiation of plugging as: Depth of well confirmed at initiation of plugging: Static water level measured at initiation of plugging: Nor Mere Static water level measured at initiation of plugging: Nor Mere Static water supervised by the supervised by the following well confirmed at initiation of plugging as: Static water level measured at initiation of plugging: Nor Midland Static: Cascade Cascade Cascade Cascade Cascade Cascade New Mexico Well Driller License No.: 1664 Well plugging activities were supervised by the following well plugging began: Static deg, Longitude: Static water level measured at initiation of plugging: Nor Date well plugging plan of operations was approved by the supervised plugging activities consistent with an approved plugging activities were supervised by the following well activities activities activities were supervised by the following well activities activiti	Phone of address: State State Texas	pandress: 5509 Champions Drive Midland State: Texas ELL PLUGGING INFORMATION: Name of well drilling company that plugged well: Cascade Drilling New Mexico Well Driller License No.: 1664 Expira Well plugging activities were supervised by the following well driller(s) rig supervisor(s) Cliff Hillman Date well plugging began: 8/6/2021 Date well plugging concluded: 100 Depth of well confirmed at initiation of plugging as: 45 ft below ground level (by the following manner: 100 Depth of water level measured at initiation of plugging: None ft bgl Date well plugging plan of operations was approved by the State Engineer: 3/24/2021 Were all plugging activities consistent with an approved plugging plan? Yes	Bowner: EOG Resources Phone No.: 432-848-9146 Ing address: 5509 Champions Drive Midland State: Texas Zip code: ELL PLUGGING INFORMATION: Name of well drilling company that plugged well: Cascade Drilling New Mexico Well Driller License No.: 1664 Expiration Date: Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Cliff Hillman Date well plugging began: 8/6/2021 Date well plugging concluded: 8/6/2021 GPS Well Location: Latitude: 32 deg, 24 min, 8.09 sec Longitude: -103 deg, 43 min, 21.79 sec, WGS Depth of well confirmed at initiation of plugging as: 45 ft below ground level (bgl), by the following manner: tag line Static water level measured at initiation of plugging: None ft bgl Date well plugging plan of operations was approved by the State Engineer: 3/24/2021

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	Neat Cement	88	70	Tremie	Boring no water
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MULTIPLY		BY	BY		
cubic feet	Х	7.4805	=	gallons	
cubic yards	х	201.97	=	gallons	

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain	, say	that	I am	familiar	with	the	rules	of the	Office	of the	State
E	ngineer pertaining to the plugging of wells and that e	ach a	nd all	of the	e stateme	nts in	this	Plugg	ing Re	cord and	i attacl	iments
aı	re true to the best of my knowledge and belief.											

11/20/21 Signature of Well Driller

Date

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 18 WELL OWNER NAME(S) EOG Resources WELL OWNER MAILING ADDRESS 5509 Champions Drive WELL LOCATION (FROM GPS) LONGITUDE DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMAN							OSE FILE NO(S) C-4144 PHONE (OPTIC) 432-848-914 CITY Midland * ACCURACY	ONAL)	STATE Texas TH OF A SECOND	ZIP 79706	
1. GENERA	DESCRIPTION R	ELATIN		STREET ADDRE								
A AN	LICENSE NO.		NAME OF LICENSED		Shawn Cain				NAME OF WELL DR	ILLING COMPANY ascade Drilling		
	DRILLING STAR 8/6/21	TED	DRILLING ENDED 8/6/21		EPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) NA 20				DEPTH WATER FIR:		(FT)	
NO	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINE								STATIC WATER LEV	VEL IN COMPLETED NA	O WELL (FT)	
IATI	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY											
ORM	DRILLING METH		ROTARY	HAMMER	CABLE 1	TOOL	OTHE	R - SPECIFY:	, F	Roto Sonic		
CASING INFORMATION	DEPTH (feet bgl) FROM TO DIAM (inches)		DIAM	(include each easing string, and		CONN	SING ECTION YPE ing diameter)	CASING INSIDE DIAM. (inches)	CASING WAI THICKNESS (inches)	0=0.		
2. DRILLING &												
										5		
	DEPTH (fee	t bgl)	BORE HOLE	1	Γ ANNULAR S				AMOUNT	l l	HOD OF	
RIA	FROM 0						RVAL	(cubic feet)		CEMENT ie Pumped		
ANNULAR MATERIAL			0	Cement with 5% Bentonite					111111	e i uniped		
3. ANN												
				L								

 FOR OSE INTERNAL USE
 WR-20 WELL RECORD & LOG (Version 04/30/19)

 FILE NO.
 POD NO.
 TRN NO.

 LOCATION
 WELL TAG ID NO.
 PAGE 1 OF 2

FILE NO.

LOCATION

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	lone of to Imagain	smanut of nacna
	outonal of bosno	smanut of nacna

PAGE 2 OF 2

	DEPTH (feet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -		ESTIMATED				
	FROM	то	S WATER BEARING? (YES/NO)	YIELD FOR WATER- BEARING ZONES (gpm)						
	0	2	2	Fine Silty Sand Red/Brown	Y VN					
	2	4	2	Caliche	Y VN					
	4	20	14	Fine silty sand brown	YVN					
					Y N					
					Y N					
3					Y N					
WEI					Y N					
OF					Y N	Î				
903					Y N					
1015					Y N					
07					Y N					
GEO					Y N					
4. HYDROGEOLOGIC LOG OF WELL					Y N					
Ε					Y N					
4					Y N					
					Y N					
					Y N					
					Y N					
					Y N					
					Y N					
			<u> </u>		Y N					
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED					
	□РИМІ	P 🔲 A	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00				
NO	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVI						
TEST; RIG SUPERVISION	MISCELLA	NEOUS IN	FORMATION:							
PER										
ns s										
; RIC										
EST	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENS									
5. T	Cliff Hillma			The state of the s	The state of the s					
SIGNATURE	RECORD OF	F THE ABO	OVE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAW WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN INSTALLED AT	ND THAT THIS				
6. SIGN		BI	LC	Shawn Cain	11/19/21					
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	<u> </u>				
	OSE INTER			We so We	IL DECORD & LOC (Va	S a Manifesta				

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number: SE	5-1 6									
Well	owner: EOG Resources			Phone No.: 432-848-9146							
Maili	ng address: 5509 Champio	ns Drive									
City:	Midland		State:		Te	xas		Zip code:	79706		
II. W	VELL PLUGGING INFO	RMATION:									
1)	Name of well drilling co	ompany that plugge	ed well: C	ascade C	Prilling						
2)	New Mexico Well Drill						_ Expira	ution Date: _	/31/23		
3)	Well plugging activities Cliff Hillman	were supervised b	y the follow	wing wel	l driller(s	/rig su	pervisor(s):			
4)	Date well plugging bega	an: 8/6/2021		Date	well plug	ging co	oncluded:	8/6/2021			
5)	GPS Well Location:	Latitude: Longitude:		deg,	24 43	min, min,	8.03 20.99	_ sec _ sec, WGS	34		
5)	Depth of well confirmed by the following manner		agging as:	20	ft belo	w grou	nd level (bgl),			
7)	Static water level measu	red at initiation of	plugging:	None	ft bgl						
3)	Date well plugging plan	of operations was	approved b	y the Sta	ate Engine	eer:3	3/24/2021	<u></u>			
))	Were all plugging activi differences between the	ities consistent with approved plugging	h an approv g plan and t	ed plugg	ging plan? as it was p	lugged	Yes (attach ac	_ If not, p			
									·		
					*						

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
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		MULTIPLY E	AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

	Shawn Cain ,	say	that	I an	n familiar	with	the	rules	of th	ne Offic	e of	the	State
E	ngineer pertaining to the plugging of wells and that ea	ach a	ınd all	of the	he stateme	nts in	this	Plugg	ing R	Record as	nd at	tachr	nents
aı	re true to the best of my knowledge and belief.												

3/h C 11/20/21

Signature of Well Driller

Date

FILE NO.

LOCATION

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

7	OSE POD NO. (*POD 19	WELL NO	.)	WELL TAG ID NO. SB-17		OSE FILE NO	S).						
CATIO	WELL OWNER EOG Resource			100-17		PHONE (OPT) 432-848-914							
WELL LO	WELL OWNER 5509 Champi					CITY Midland	STATE Texas	ZIP 79706					
1. GENERAL AND WELL LOCATION	1	LO	TITUDE NGITUDE	03 43 20.64 W * DATUM REC			Y REQUIRED: ONE TENTH OF A SECOND QUIRED WGS 84 DWNSHIIP, RANGE) WHERE AVAILABLE						
	LICENSE NO. 1664		NAME OF LICENSED	DRILLER Shawn Cain			NAME OF WELL DR	ILLING COMPANY ascade Drilling					
	DRILLING STA 7/26/2		DRILLING ENDED 7/26/21	DEPTH OF COMPLETED WELL (FT) NA	BORE HO	LE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT) 15 NA)				
NOIL	COMPLETED V	VELL IS	ARTESIAN	DRY HOLE SHALLOW (UN	CONFINED)	STATIC WATER LEVEL IN COMPLETED WELL (FT) NA							
ATIO	DRILLING FLUID. AIR MUD ADDITIVES SPECIFY.												
2. DRILLING & CASING INFORMATION	DRILLING MET	HOD:	ROTARY	☐ HAMMER ☐ CABLE TOOL	✓ OTHE	R - SPECIFY	F	Roto Sonic					
	DEPTH (fo	TO DIAM (include eac		CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CONI	ASING NECTION TYPE ding diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches				
ı	DEPTH (feet bgl) BORE HOLE				LIST ANNULAR SEAL MATERIAL AND			AMOUNT METHOD					
AATERIA	FROM 0	TO 15	DIAM. (inches) GRAVEL PACK SIZE-RANGE BY 6 Cement with 5% Benton			IN VAL	(cubic feet)	PLACE!					
3. ANNULAR MATERIAL													

POD NO.

TRN NO.

WELL TAG ID NO.

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PAGE 1 OF 2

DEPTH (feet bgl)

TO

2

15

FROM

0

2

THICKNESS

(feet)

2

13

ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)

WATER BEARING?

(YES / NO)

✓ N

✓ N

N

Y

Y

Y

	 		 	<u> </u>						
11.7								Y	N	
								Y	N	
								Y	N	
WEI								Y	N	
OF								Y	N	
500	Ì						-	Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
007								Y	N	
3EO								Y	N	
RO.								Y	N	
E A								Y	N	
4.								Y	N	
								Y	N	
								Y	N	
								Y	N	
i	Î							Y	N	
į								Y	N	
								Y	N	
,	METHOD US	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:			TOTAL ESTIM	1ATED	
30 T	PUMP AIR LIFT BAILER OTHER - SPECIFY:									0.00
NO	WELL TEST				FA COLLECTED DURING HOWING DISCHARGE AN					
TEST; RIG SUPERVISION	MISCELLAN	IEOUS INF	ORMATION:							
PER										
s su										
RIC										
EST	PRINT NAM	F(S) OF D	RILL RIG SUPE	VISOR(S) THAT PRO	VIDED ONSITE SUPERVI	ISION O	F WELL CON	STRUCTION O	THER TH	AN LICENSEE
5.T	Cliff Hillman	-	NEE NO OOT ST	(11301(3) 11111 110			. WELL CON	STREET TOTAL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	III DIOLIVOLO.
	Citti Tittimaa	•								
					F MY KNOWLEDGE AN					
6. SIGNATURE					HOLDER WITHIN 30 DAY					
NAT										
SIG		R	1.0		Shawn Cain			11/1	9/21	
9		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME	_			DATE	
<u> </u>										E1 25:
	R OSE INTERN	IAL USE			T			LL RECORD &	LOG (Ver	sion 04/30/2019)
-	E NO.				POD NO.	1	TRN NO.			
LLO	CATION					WELL	TAG ID NO.			PAGE 2 OF 2

COLOR AND TYPE OF MATERIAL ENCOUNTERED -

INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES

(attach supplemental sheets to fully describe all units)

Fine Silty Sand Red/Brown

Fine Silty sand







NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number: Sowner: EOG Resources	.b- (7				Phone	No. 432	2-848-9146		
wen Maili	ng address: 5509 Champi	ons Drive			Phone No.: 432-848-9146					
City:	Midland		State:		1	Texas		Zip code:	79706	
II. V 1)	VELL PLUGGING INFO Name of well drilling of		gged well:	Cascade	Drilling					
2)	New Mexico Well Dril						Expir	ation Date: 1	/31/23	
3)	Well plugging activitie	es were supervised	l by the follo	owing we	ll driller	r(s) rig su	pervisor(s):		
4)	Date well plugging beg	gan: 7/26/2021	1	_ Date	well pl	ugging co	oncluded:	7/26/2021		
5)	GPS Well Location:	Latitude: Longitude:	32 -103	deg, deg,	24 43	min, min,	8.04 20.64	sec sec, WGS	84	
5)	Depth of well confirmed by the following manner		plugging as:	15	ft be	elow grou	ınd level ((bgl),		
7)	Static water level meas	sured at initiation	of plugging:	None	fi b	gl				
3)	Date well plugging pla	n of operations wa	as approved	by the St	ate Eng	ineer:	3/24/2021	_		
9)	Were all plugging actived differences between the						Yes l (attach a		lease describ es as needed):	

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	Neat Cement	32	23	Tremie	Boring no water
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		MULTIDLY E	AND ORTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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GENERAL AND WELL LOCATION	OSE POD NO	(WELL NO	.)		WELL TAG ID NO).		OSE FILE NO(S)					
	POD 20				SB-18			C-4144					
	WELL OWN	ER NAME(S)			,			PHONE (OPTI	ONAL)				
)OC	EOG Resources							432-848-9146					
LL	WELL OWNER MAILING ADDRESS							CITY		STATE	ZIP		
ELI	5509 Champions Drive							Midland		Texas	79706		
*								1					
AN	WELL		DI	GREES 32	MINUTES 24	SECO:							
ERAL	LOCATIO	N LA1	TITUDE	34	24	13.	.69 N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
	(FROM GE	PS) LON	NGITUDE	-103	43	21.	.20 W	* DATUM REC	QUIRED: WGS 84				
EN	DESCRIPTION		G WELL LOCATION TO	STREET ADD	RESS AND COMMO	N LANDM	IARKS - PLS	S (SECTION, TO	WNSHIP, RANGE) WI	IFRE AVAILABLE			
1.0	ı		outh of US Highway						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	'						· <u>·</u> ··						
No	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR				
	166	1664			Shawn Cain				C	ascade Drilling			
	DRILLING S		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F	T)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	DEPTH WATER FIRST ENCOUNTERED (FT)			
ĺ	8/11	/21	8/11/21		NA			70		NA			
					527				STATIC WATER LEV	EL IN COMPLETED W	ELL (FT)		
7	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)							NA					
CASING INFORMATION	DRILLING F	LUID:	AIR	MUD	ADDITI	VES - SPE	CIFY:		1				
MA	DRILLING METHOD: ROTARY			T HANNER	D CABLE	TOOL	₹ one	ER - SPECIFY: Roto Sonic					
OR						U OTHE	K - SPECIFI		COLO SOILIC				
Ž.	DEPTH (feet bgl)		BORE HOLE	CASING	MATERIAL AND GRADE	D/OR	CA	ASING	CASING	CASING WALL	SLOT		
S	FROM TO		DIAM	(include each casing string, and		CON	NECTION	INSIDE DIAM.	THICKNESS	SIZE			
ASI			(inches)		sections of screen		TYPE (inches)		(inches)	(inches)			
& C													
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	DEPTH	(feet bgl)	BORE HOLE	LI	ST ANNULAR S	EAL MA	TERIAL A	ND	AMOUNT	метно	D OF		
ΙVΓ	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	-RANGI	E BY INTE	RVAL	(cubic feet)	PLACE	MENT		
ER	0				Cement wit	h 5% Be	ntonite		15	Trimie P	umped		
IAT			·										
ANNULAR MATERIAL	-												
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FOR	OSE INTER	NAL USE						WR -20	WELL RECORD	& LOG (Version 04/3	(0/19)		

POD NO.

TRN NO.

PAGE 2 OF 2

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FILE NO.

LOCATION

	DEPTH (f	cct bgl)			WATER	ESTIMATED		
	FROM	THICKNESS (feet) COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)				YIELD FOR WATER- BEARING ZONES (gpm)		
	0	20	20	Y VN	101			
	20	25	Y VN					
	25	40	15	Medium sandstone Brown	Y VN			
	40	45	5	Fat Clay Brown	Y VN			
	45	55	10	Medium Sandstone Brown	Y VN			
	55	70	15	Fat Clay Brown	Y VN			
VEL				· · · · · · · · · · · · · · · · · · ·	Y N			
OF V					YN			
00		-			YN			
C.L					Y N			
00					Y N			
EOI					Y N			
4. HYDROGEOLOGIC LOG OF WELL					YN			
<u>Z</u>					Y N			
4. F					YN			
					Y N			
					YN			
					YN			
					YN			
					Y N			
					Y N			
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED			
	PUMP		IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00		
g ^t				Johnson Colonia.				
NOISI	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE				
SIVS	MISCELLAN	VEOUS IN	ORMATION:		-			
TEST; RIG SUPERV								
CSI								
F.								
resi	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	STRUCTION OTHER TH	IAN LICENSEE:		
'n	Cliff Hillmar	1						
_	<u> </u>							
ATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA! WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPL	S BEEN INSTALLED AN	ND THAT THIS		
6. SIGNATURE			She	Shawn Cain	11/19/21			
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE			
FOI	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/2019)							

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	GENERAL / WELL OWNERSHIP:							
State	e Engineer Well Number: SB-18					401	040.0446	
Well	l owner: EOG Resources	Phone No.: 432-848-9146						
Maili City:	ling address: 5509 Champions Drive	State:		Т	Гехаѕ		Zip code:	79706
Oily.		_ State;	-				Zip code.	
<u>II. W</u>	WELL PLUGGING INFORMATION:							
1)	Name of well drilling company that plugged	i well: _	Cascade D	Orilling				
2)	New Mexico Well Driller License No.: 166					Expira	ation Date: 1	31/23
3)	Well plugging activities were supervised by Cliff Hillman	the follo	wing wel	ll driller	(s)/rig su	pervisor(s	s):	
4)	Date well plugging began: 7/26/2021		Date	well pl	ugging co	oncluded:	7/26/2021	
5)	GPS Well Location: Latitude:Longitude:	32 -103	_deg, _deg,	24 43	min, . min, .	13.89 21.20	_ sec _ sec, WGS 8	34
6)	Depth of well confirmed at initiation of plug by the following manner: tag line	gging as:	70	ft bo	elow grou	nd level (bgl),	
7)	Static water level measured at initiation of p	lugging:	None	ft b ₂	gl			
8)	Date well plugging plan of operations was a	pproved	by the St	ate Eng	ineer:	3/24/2021	_	
9)	Were all plugging activities consistent with differences between the approved plugging							lease describe s as needed):

Released to Imaging: 5/2/2022 3:37:29 PM

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

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	Neat Cement	125	108	Tremie	Boring no water
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-				-8	
_					
		MULTIPLY É	AND OBTAIN		
		cubic feet x 7.4	805 = gallons		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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T.	OSE POD NO.	(WELL NO.)		WELL TAG ID NO	l <u>.</u>		OSE FILE NO(S).			
O	POD 21				SB-19			C-4144				
AND WELL LOCATION	WELL OWNE	R NAME(S)						PHONE (OPTIONAL)				
	EOG Resources							432-848-9146				
	WELL OWNER MAILING ADDRESS							CITY		STATE		ZIP
	5509 Champions Drive						Midland		Texas	7	9706	
D			DI	GREES	MINUTES	SECON	De	<u> </u>				
A	WELL	.		32	32 24 13.60 .			* ACCUBACY	REQUIRED: ONE TEN	ידוו מע א פער	מימי	
3	LOCATION		ITUDE				N		QUIRED: WGS 84	THE N SEC	OND	
1. GENERAL	(FROM GPS	LON	GITUDE	-103	43	20.4	3 W	DATON REC	701KED, 11 G3 84			
3	DESCRIPTIO	N RELATIN	G WELL LOCATION TO	STREET ADDS	RESS AND COMMO	N LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVAILA	ABLE	
-	Aproximate	ly 10.5 so	uth of US Highwa	y 62/180								
	LICENSE NO.	4	NAME OF LICENSED	DRILLER	Shawn Cain				NAME OF WELL DR	ILLING COM		
										ascade Drij	nng	
	DRILLING ST		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F	T)	BORE HOLE DEPTH (FT)		DEPTH WATER FIR		TERED (FT)	
	8/11/	21	8/11/21		NA			50		NA		
	COMPLETED	WELL 16:	ARTESIAN	DRY HOL	г. П. с	W (UNCON	mores.		STATIC WATER LEVEL IN COMPLETED WELL (FI		LL (FT)	
Z	COMPLETED	WELL 15.	ARTESIAN	DK1 IIOL	E SHALLO	W (UNCUP	AFINED)		NA NA			
Ë	DRILLING FL	UID:	AIR	MUD MUD	ADDITIV	ES - SPEC	IFY:					
CASING INFORMATION	DRILLING METHOD: ROTARY			ПАММЕР	HAMMER CABLE TOOL OTHER - SPECIFY			R – SPECIFY	Roto Sonic			
FO	DEPTH (feet bgl) PORE HOLE			CASING	MATERIAL ANI	2/08				Ι		
	FROM TO		BORE HOLE	GRADE		J/OR	CASING CONNECTION		CASING	1	CASING WALL SLOT THICKNESS SIZE	
Ž	I KOW	10	DIAM (inches)		each casing string.			YPE	INSIDE DIAM. T		hes)	(inches)
Š			()	note:	sections of screen)	(add coupl	ing diameter)	(menes)			, , ,
	-									<u> </u>		
DRILLING &			<u> </u>							-		
11						-		 		ļ		
DR												
	(C)											
	DEPTH (feet bgl)	BORE HOLE	1.11	ST ANNULAR SI	EAL MAT	ERIAL A	ND	AMOUNT		METHOI	OF
7	FROM	ТО	DIAM (inches)		VEL PACK SIZE				(cubic feet)		PLACEM	
R	0	50	6		Cement wit	h 5% Bent	onite		11		Trimie Pu	mned
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[V]												
ANNULAR MATERIAL		-										
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WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	23 54
LOCATION		WELL TAG ID NO.	 PAGE 1 OF 2

FOR OSE INTERNAL USE

FILE NO.

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WR-20 WELL RECORD & LOG (Version 04/30/2019)

PAGE 2 OF 2

TRN NO.

WELL TAG ID NO.

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18	FROM	THICKNESS (feet) TO (feet) COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)				ER NG? NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
11	0 4 4 Fine Silty Sand Brown							
12	4	10	6	Sandy Caliche		V N		
	10	25	15	Fine silty sand	Y	✓ N	-	
	25	35	10	Medium sandstone Brown	Y	✓ N		
25	35	45	10	Fat Clay Brown		v N		
=0.00	45	50	5	Mediud sandstone Brown		✓ N		
ÆLI	.,				Y	N	·	
JF W					Y	N		
90					Y	N		
CL					Y	N	· 	
150					Y	N		
EOL					Y	N		
200					Y	N		
4. HYDROGEOLOGIC LOG OF WELL					Y	N		
4. F					Y	N		
					Y	N		
				<u>, </u>	Y	N		
					Y	N		
					Y	N		
					Y	N		
					Y	N		
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMA	TED	-	
	PUMF	Al	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00	
NO	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV				
VISION	MISCELLA	NEOUS INF	ORMATION:		<u>.</u>			
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TEST; RIG SUPERV								
, R								
EST	PRINT NAM	E(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTH	IFR TH	AN LICENSEE	
5. T	Cliff Hillman	. ,						
	BY SIGNIN	G BELOW.	I CERTIFY TH	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR	EGOING IS A TE	RUE AN	ND CORRECT	
JRE.	RECORD OF	THE ABO	VE DESCRIBED	WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAWITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	S BEEN INSTALL	LED AN	ID THAT THIS	
ATL								
SIGNATURE		S	AC:	Shawn Cain	11/19/	/21		
6.8				R / PRINT SIGNEE NAME	D	ATE		
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE							

POD NO.







NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:							
State Engineer Well Number: SB-19							
Well owner: EOG Resources		Phone No.: 432-848-9146					
Mailing address: 5509 Champions Drive		25					
City: Midland	State:	Texas	Zip code: 79706				
II. WELL PLUGGING INFORMATION:							
1) Name of well drilling company that plugg	ged well: Cascade C	Prilling					
2) New Mexico Well Driller License No.:			xpiration Date: 1/31/23				
3) Well plugging activities were supervised Cliff Hillman	by the following wel	l driller(s)/rig supervi	sor(s):				
4) Date well plugging began: 8/11/2021	Date	well plugging conclu-	ded: 8/11/2021				
5) GPS Well Location: Latitude: Longitude:	32 deg,	24 min, 13 43 min, 20	.69 sec .43 sec, WGS 84				
6) Depth of well confirmed at initiation of p by the following manner: tag line	lugging as:50	ft below ground le	vel (bgl),				
7) Static water level measured at initiation o	of plugging: None	ft bgl					
8) Date well plugging plan of operations wa	s approved by the Sta	ate Engineer: 3/24/2	2021				
 Were all plugging activities consistent wird differences between the approved plugging 							
	-						

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	90	77	Tremie	Boring no water
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MULTIPLY		BY		AND OBTAIN
cubic feet	Х	7.4805	=	gallons
cubic yards	Х	201,97	=	gallons

III. SIGNATURE:

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I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION		R NAME(S) rces R MAILING pions Driv N LAT LON N RELATING	ADDRESS /e DE ITUDE		MINUTES 24 43 RESS AND COMMON	SECONI 13.2 21.1	5 N 4 W	* DATUM REC	ONAL)			
	LICENSE NO. 166- DRILLING ST 7/27/	ARTED	DRILLING ENDED		Shawn Cain DEPTH OF COMPLETED WELL (FT) NA BORE HOLE DEPTH (F				NAME OF WELL DRI C DEPTH WATER FIRS	ascade Drillii	ng	
NO	COMPLETED WELL IS: ARTESIAN			DRY HOL	E SHALLO	W (UNCON	STATIC WATER LEVEL IN COMPLETE NA			PLETED WELL (FT)		
MATIC	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTH						R = SPECIFY:		Roto Sonic			
NFORM					770							=
CASING INFORMATION	FROM	TO DIAM (inches) CASING MATERIAL AND GRADE (include each casing string, note sections of screen)		and	CONN T	ASING NECTION YPE ling diameter)	CASING INSIDE DIAM. (inches)	INSIDE DIAM. THICKNESS		T E es)		
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DRILLING &												
2. DRI												\dashv
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	DEPTH (feet bgl)	BORE HOLE DIAM. (inches)	l .	ST ANNULAR SE				AMOUNT		METHOD OF	
ERIA	FROM 0	TO 15	6	GKA	VEL PACK SIZE-			KVAL	(cubic feet)		rimie Pumped	\dashv
ИАТІ			<u> </u>		Cement with 5% Bentonite				1			-
LAR												\Box
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 WR-20 WELL RECORD & LOG (Version 04/30/19)

 FILE NO.
 POD NO.
 TRN NO.

 LOCATION
 WELL TAG ID NO.
 PAGE 1 OF 2

Received by OCD: 2/28/2022 3:08:14 PM

FOR OSE INTERNAL USE

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LOCATION

WR-20 WELL RECORD & LOG (Version 04/30/2019)

PAGE 2 OF 2

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TOTAL ESTIMATE YIELD OF WATER BEARING STRATA: WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD. WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD. MISCELLANEOUS INFORMATION: WELL TEST FRINT NAME(S) OF DRILL RIG SUPER VISOR(S) THAT PROVIDED ONSITE SUPER VISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: CITY OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WELL I ALSO GERTEY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL TAG, IF REQUIRED, HA		FROM	то	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	_		
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METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: DUMP						Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: PUMP	À					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: DOTAL ESTIMATED WELL YIELD (gpm): 0.00						Y	N	
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Cliff Hillman BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD OF THE ABOVE DESCRIBED WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. Shawn Cain 11/19/21						Y	N	
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: PRINT NAME(S) OF DRILL RIG SUPER VISOR(S) THAT PROVIDED ONSITE SUPER VISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Cliff Hillman BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. Shawn Cain 11/19/21		METHOD USED TO ESTIMATE YIELD			OF WATER-BEARING STRATA:			
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BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. Shawn Cain 11/19/21	EST	DDINT NAM	E(S) OF D	DILL DIG SLIDED	VISODIC) THAT DROVIDED ONSITE SUBERVISION OF WELL CON	STRUCTION	OTUED TU	IAN LICENSEE
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			SL	-	Shawn Cain	U	/19/21	
			SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	

POD NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	NERAL / WELL OWNERSHIP:			
State E	ngineer Well Number: SB-20			
Well ov	wner: EOG Resources		Phone No.:	432-848-9146
Mailing	g address: 5509 Champions Drive			W-200340000
City: N	Midland	State:	Texas	Zip code: 79706
II. WE	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plugge	d well: Cascade	Drilling	
2)	New Mexico Well Driller License No.: 16	64	Ех	spiration Date: 1/31/23
3)	Well plugging activities were supervised by Cliff Hillman	y the following we	ell driller(s)/rig supervis	or(s):
4)	Date well plugging began: 7/27/2021	Date	e well plugging conclud	ed: <u>7/27/2021</u>
5)	GPS Well Location: Latitude: Longitude:	32 deg,	24 min, 13. 43 min, 21.	25 sec 14 sec, WGS 84
6)	Depth of well confirmed at initiation of plu by the following manner: tag line	gging as:15	ft below ground lev	vel (bgl),
7)	Static water level measured at initiation of	plugging: None	e ft bgl	
8)	Date well plugging plan of operations was	approved by the S	tate Engineer: 3/24/2	021
9)	Were all plugging activities consistent with differences between the approved plugging			If not, please describe h additional pages as needed):
1				

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	30	23	Tremie	Boring no water
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		MULTIPLY E	AND OBTAIN		
		cubic feet x 7.4	805 = gallons		

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

201.97

cubic yards

11/20/21

Signature of Well Driller

gallons

Date



	OSE POD NO.	. (WELL NO.)		WELL TAG ID NO),		OSE FILE NO	S).		
O	POD 23			5	SB-21			C-4144			
ATI	WELL OWNE	R NAME(S)		1				PHONE (OPTIO	ONAL)		
000	EOG Resou	irces						432-848-914	6		
ננ	WELL OWNE	R MAILING	ADDRESS					CITY		STATE	ZIP
VEL	5509 Cham	pions Dri	ve					Midland		Texas	79706
AND WELL LOCATION			DE	GREES MINUTES SECONDS							
Y	WELL	.		32 24 14.08			* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND		
Z.	LOCATION (FROM GPS	Litt	TTUDE	-103	43	20.8		* DATUM REQUIRED: WGS 84			
GENERAL		LON	GITODE								
G	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARK Aproximately 10.5 south of US Highway 62/180							S (SECTION, TO	WNSIIJIP, RANGE) WH	ERE AVAILABLE	
	Aproximate	ely 10.5 sc	outh of US Highway	62/180							
	LICENSE NO.		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY	
	166				Shawn Cain					ascade Drilling	
	DRILLING ST	TARTED	DRILLING ENDED	DEPTH OF COM	PLETED WELL (F	T)	BORE HOL	E DEPTH (FT)	DEPTH WATER FIR:	ST ENCOUNTERED (FT	")
	7/27/21 7/27/21				NA			20		NA	
					-	I			STATIC WATER LEV	EL IN COMPLETED W	ELL (FT)
z	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED									NA	
ATIC	DRILLING FLUID: AIR MUD ADDITIVES – SPECIFY:										
CASING INFORMATION	DRILLING MI	ETHOD:	ROTARY	☐ HAMMER	CABLE 1	TOOL	OTHE	R – SPECIFY:	F	Roto Sonic	
	DEPTH (feet bgl)	BORE HOLE	CASING M	IATERIAL ANI	D/OR	CA	SING	CASING	CASING WALL	SLOT
\Q	FROM TO DIAM (inches)			/in abod	GRADE	" l		ECTION	INSIDE DIAM.	THICKNESS	SIZE
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& C											1
Q.											
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	DEPTH (feet bgl)	BORE HOLE	LIS	Γ ANNULAR S	EAL MAT	ERIAL A	.ND	AMOUNT	метно	OD OF
AL	FROM	ТО	DIAM. (inches)	1	EL PACK SIZE				(cubic feet)	PLACE	
ERI	0	20	6		Cement wit	h 5% Bent	tonite		4.5	Trimie P	umped
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3. ANNULAR MATERIAL								-			
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FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/19) FILE NO. POD NO. TRN NO. LOCATION WELL TAG ID NO. PAGE 1 OF 2

FILE NO.

LOCATION

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PAGE 2 OF 2

	DEPTH (1	ect bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATEI YIELD FOR			
	FROM	то	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	BEARING? (YES/NO)	WATER- BEARING ZONES (gpm			
	0	15	15	Fine Silty Sand Red/Brown, Dry	Y VN				
	15	20	5	Medium-Fine Sandstone Tan/Brown	Y ✔N				
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. [METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED				
	PUMF	, D	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm)	0.00			
	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN- IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV					
	MISCELLA	NEOUS IN	FORMATION:						
	PRINT NAM	IE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUCTION OTHER T	HAN LICENSEI			
:	Cliff Hillma								
	RECORD OF	THE ABO	OVE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOI WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	AS BEEN INSTALLED A	AND THAT THIS			
		B	20	Shawn Cain	11/19/21				
		,		PRINT SIGNEE NAME					

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State Engineer Well Number: SB-21			
Well owner: EOG Resources		Phone No.:	432-848-9146
Mailing address: 5509 Champions Drive			
City: Midland	State:	Texas	Zip code: 79706
II. WELL PLUGGING INFORMATION:			
1) Name of well drilling company that plu	ugged well: Cascad	e Drilling	
2) New Mexico Well Driller License No.:			Expiration Date: 1/31/23
3) Well plugging activities were supervise Cliff Hillman	ed by the following v	vell driller(s)/rig supervi	isor(s):
4) Date well plugging began: 7/27/202	21 Da	ate well plugging conclu	ded: 7/27/2021
5) GPS Well Location: Latitude: Longitude:		24 min, 14 43 min, 20	1.08 sec 0.80 sec, WGS 84
6) Depth of well confirmed at initiation of by the following manner: tag line	f plugging as: 2	ft below ground le	evel (bgl),
7) Static water level measured at initiation	n of plugging: No	ne ft bgl	
8) Date well plugging plan of operations v	was approved by the	State Engineer: 3/24/2	2021
 Were all plugging activities consistent differences between the approved plug 			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
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		MULTIPLY cubic feet x 7.2	BY AND OBTAIN 4805 = gallons		

cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

Received by OCD: 2/28/2022 3:08:14 PM

FILE NO.

LOCATION

PAGE 1 OF 2

Released to Imaging: 5/2/2022 3:37:29 PM

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

Ne f	OSE POD NO. (WELL NO.) POD 23 SP 21A							OSE FILE NO	S).			
O	POD 23				SB-21A			C-4144				
AND WELL LOCATION	WELL OWN EOG Reso		()					PHONE (OPTIO 432-848-914				
L	WELL OWN	ER MAILIN	G ADDRESS					CITY		STATE	ZIP	
WEL	5509 Chan	npions Dr	ive			Midland		Texas	79706			
2	WELL		Di	GREES	MINUTES	SECON						
LA	LOCATIO	N LA	TITUDE	32	24	14.	35 _N	* ACCURACY REQUIRED: ONE TENTII OF A SECOND				
ER	(FROM GI	PS)	NGITUDE	-103	43	20.	80 W	DATUM REQUIRED: WGS 84				
1. GENERAL	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIJIP, RANGE) WHERE AVAILABLE Aproximately 10.5 south of US Highway 62/180											
a	<u> </u>									-0-		
	LICENSE NO		NAME OF LICENSED	DRILLER	Shawn Cain				NAME OF WELL DR	ELLING COMPANY ascade Drilling		
	DRILLING S 8/11		DRILLING ENDED 8/11/21	DEPTH OF CO	MPLETED WELL (FT NA)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR:	ST ENCOUNTERED (FT) NA	1	
z	COMPLETE	D WELL IS:	ARTESIAN	DRY HOLE SHALLOW (UNCONFINED)			STATIC WATER LEVEL IN COMPLETED WELL (FT) NA					
TIO	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:											
DRILLING & CASING INFORMATION	DRILLING M	IETHOD:	ROTARY	Памме	R CABLE TO	OOL	OTHE	R = SPECIFY:	F	Roto Sonic		
	DEPTH (feet bgl) FROM TO DIAM (inches)		(include each casing string, and		CONN	ASING NECTION YPE ing diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)			
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_	DEPTH	(feet bgl)	BORE HOLE	1 1	ST ANNULAR SE	AL MA	TERIAT A	ND	AMOUNT	метно	D OF	
AL	FROM	ТО	DIAM. (inches)	1	VEL PACK SIZE-				(cubic feet)	PLACEN		
ANNULAR MATERIAL	0	FROM 10			Cement with 5% Bentonite			13	Trimie Pt	ımped		
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	DEPTH (feet bgl)		CO	LOR AND TYPE OF MATER!	AL ENCOUNT	ERED -	WA	TER	ESTIMATED
	FROM	то	THICKNESS (feet)		E WATER-BEARING CAVITI tach supplemental sheets to fu			BEA	RING? 5/NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4		Fine Silty Sand B	rown		Y	✓ N	
	4	10	6		Caliche			Y	✓ N	
	10	45	35		Medium to fine	Sandstone		Y	∨ N	
	45	60	15		Fat Clay Brov	vn .		Y	V N	
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4. HYDROGEOLOGIC LOG OF WELL								Y	N	
DRC								Y	N	
.HY								Y	N	
4								Y	N	
Ш								Y	N .	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
		<u> </u>	21					Y	N	
		_			EARING STRATA:		l l	TOTAL ESTI WELL YIELI		0.00
	ПРИМ	P	AIR LIFT	BAILER	OTHER - SPECIFY:			···CCL TICLI	, (gpiit).	0.00
NOI	WELL TES	T TEST	RESULTS - ATTA	ACH A COPY ME, AND A TA	OF DATA COLLECTED DUR ABLE SHOWING DISCHARGI	ING WELL TE E AND DRAWI	STING, INCL DOWN OVER	UDING DISC	HARGE NG PERIO	METHOD, DD.
TEST; RIG SUPERVIS	MISCELLA	NEOUS IN	FORMATION: St	ep out boring						
	PRINT NAM	1E(S) OF D	RILL RIG SUPER	VISOR(S) TH	AT PROVIDED ONSITE SUPE	ERVISION OF V	WELL CONST	RUCTION C	THER TH	AN LICENSEE
5.1	Cliff Hillma									
SIGNATURE	RECORD O	F THE ABO	OVE DESCRIBED	WELL, I ALS	BEST OF MY KNOWLEDGE O CERTIFY THAT THE WELI ERMIT HOLDER WITHIN 30 D	TAG, IF REQ	UIRED, HAS	BEEN INSTA	LLED AN	ID THAT THIS
e. SIGN			Sha		Shawn Cain			11/	20/21	
		SIGNAT	URE OF DRILLE	R / PRINT S	IGNEE NAME	****			DATE	
EOI	OCE INTERI	NAL HEE					1/D 20 WET!	DECORD 4	1000	04/10/2010
	R OSE INTERI E NO.	TAL USE			POD NO.		rn no.	KECOKD &	TOO (ver	sion 04/30/2019





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	Engineer Well Number: SB-21A			
Well o	owner: EOG Resources		Phone No.:	432-848-9146
Mailin	g address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
II. W	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that p	olugged well: Cascad	de Drilling	
2)	New Mexico Well Driller License No	o.: 1664	E	Expiration Date: 1/31/23
3)	Well plugging activities were supervi Cliff Hillman	ised by the following	well driller(s)/rig supervi	isor(s):
4)	Date well plugging began: 8/11/20	D21 D	ate well plugging conclu	ded: 8/11/2021
5)	GPS Well Location: Latitude: Longitude			1.35 sec 0.80 sec, WGS 84
6)	Depth of well confirmed at initiation by the following manner: tag line	of plugging as:	ft below ground le	evel (bgl),
7)	Static water level measured at initiati	on of plugging: N	one ft bgl	
8)	Date well plugging plan of operations	s was approved by the	e State Engineer: 3/24/	2021
9)	Were all plugging activities consister differences between the approved plu			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	110	93	Tremie	Boring no water
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				:	
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		MULTIPLY 6 cubic feet x 7.4	3Y AND OBTAIN 805 = gallons		
		cubic feet x 7.4			

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

201.97

2h-1

Signature of Well Driller

Date

11/20/21

PAGE 1 OF 2

WR-20 WELL RECORD & LOG (Version 04/30/19)

TRN NO.

WELL TAG ID NO.

Released to Imaging: 5/2/2022 3:37:29 PM

FOR OSE INTERNAL USE

FILE NO.

LOCATION



7	OSE POD NO. (WE POD 23	LL NO.)		WELL TAG ID NO. B-21B			OSE FILE NO(C-4144	S).	_			
LIO	WELL OWNER NA	MEZC						PHONE (OPTI-	0.111				
AND WELL LOCATION	EOG Resource							432-848-9146					
111	WELL OWNER M							CITY		STATE	ZIP		
WEI	5509 Champion	ıs Dri	ve					Midland		Texas	79706		
AND	WELL		DE	GREES 32	24 14.00								
RAL	LOCATION (FROM GPS)	LAT	TTUDE	-103			N	- A DATE MARKOLUBED WOODA					
GENERAL			GHUDE		43	20.47	W	<u>L</u>					
1. G	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS Approximately 10.5 south of US Highway 62/180								WNSHJIP, RANGE) WII	IERE AVAILABLE			
CIII CIII	LICENSE NO.		NAME OF LICENSED	DRILLER		NAME OF WELL DR	ILLING COMPANY						
	1664		500	1	Shawn Cain				c	ascade Drilling			
	DRILLING START 8/12/21	ED	DRILLING ENDED 8/12/21	DEPTH OF COM	PLETED WELL (FT NA	L) BO	RE HO	LE DEPTH (FT)	DEPTH WATER FIR:	ST ENCOUNTERED (FT NA)		
7.	COMPLETED WE	LL IS:	ARTESIAN	DRY HOLE	SIIALLO	W (UNCONFIN	ED)		STATIC WATER LEV	VEL IN COMPLETED W	ÉLL (FT)		
OTT	DRILLING FLUID		AIR	MUD	ADDITIV	ES - SPECIFY:	1						
RMA	DRILLING METIK	OD:	ROTARY	☐ HAMMER	CABLE T	OOL 🕝	OTHE	R - SPECIFY:	F	Roto Sonic			
NFO	DEPTH (feet	bgl)	BORE HOLE	CASING M	ATERIAL AND	/OR		ASING	CASING	CASING WALL			
DRILLING & CASING INFORMATION	FROM	то	DIAM (inches)	GRADE (include each easing string, and note sections of screen)		and	CONNECTION TYPE (add coupling diameter)		INSIDE DIAM.	THICKNESS (inches)	SLOT SIZE (inches)		
& C.													
ING													
RILL		-	+							<u> </u>			
2. D								<u>. </u>					
		ř											
	DEPTH (feet	bgl)	BORE HOLE	LIST	ANNULAR SE	AL MATER	IAL A	ND	AMOUNT	METHO	ID OF		
IAL	DEPTH (feet	bgl)	BORE HOLE DIAM. (inches)		ANNULAR SE				AMOUNT (cubic feet)	METHO PLACE			
TERIAL					EL PACK SIZE-		INTE				MENT		
MATERIAL	FROM	то	DIAM. (inches)		EL PACK SIZE-	RANGE BY	INTE		(cubic feet)	PLACE	MENT		
LAR MATERIAL	FROM	то	DIAM. (inches)		EL PACK SIZE-	RANGE BY	INTE		(cubic feet)	PLACE	MENT		
NNULAR MATERIAL	FROM	то	DIAM. (inches)		EL PACK SIZE-	RANGE BY	INTE		(cubic feet)	PLACE	MENT		
3. ANNULAR MATERIAL	FROM	то	DIAM. (inches)		EL PACK SIZE-	RANGE BY	INTE		(cubic feet)	PLACE	MENT		

POD NO.

Received by OCD: 2/28/2022 3:08:14 PM

LOCATION

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PAGE 2 OF 2

-	DEPTH (f	feet bgl)		COLOR AN	ND TYPE OF MATERIAL ENC	OUNTERED -		WAT	ΓER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		ER-BEARING CAVITIES OR 1 pplemental sheets to fully desc		ES	BEAR (YES	ING?	WATER- BEARING ZONES (gpm)
	0	4	4		Fine Silty Sand Brown			Y	✓ N	
	4	10	6		Caliche			Y	✓ N	
	10	20	10		Medium Sandstone			Y	✓ N	
								Y	N	
								Y	N	
T.								Y	N	
×								Y	N	
Š								Y	N	
Š					<u> </u>			Y	N	
5								Y	N	
20						_		Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
2			<u> </u>		12	·		Y	N	
Ē			<u> </u>					Y	N	
4								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Υ	N	
	METHOD II	CED TO E	ETIMATE VIELD	OF WATER-BEARIN	C CTD 4 T 4		TOTAL	Y	N	
							TOTAL WELL'			0.00
	PUMP	, <u> </u>	IR LIFT	BAILER 0	THER - SPECIFY:				,	
Z O	WELL TEST	TEST STAR	RESULTS - ATTA T TIME, END TIM	ACH A COPY OF DA IE, AND A TABLE SI	FA COLLECTED DURING WE HOWING DISCHARGE AND I	ELL TESTING, INC DRAWDOWN OV	CLUDING ER THE T	DISCI ESTIN	IARGE N G PERIC	METHOD, DD.
TEST; RIG SUPERVIS	MISCELLAN	NEOUS IN	FORMATION: St	ep out boring						
EOI; M	PRINT NAM	IF(S) OF D	RILL RIG SHPEP	VISOR(S) THAT PPO	VIDED ONSITE SUPERVISIO	ON OF WELL CON	STRUCT	ON O	'HED TU	IAN I ICENSES
'n	Cliff Hillman				The state of the s	02 11 000				DIODITOLL
SIGNATURE	RECORD OF	THE ABO	OVE DESCRIBED	WELL-1 ALSO CERT	F MY KNOWLEDGE AND E IFY THAT THE WELL TAG, HOLDER WITHIN 30 DAYS A	IF REQUIRED, HA	S BEEN I	NSTAI	LED AN	ND THAT THIS
o. SIGN		1	& C		Shawn Cain			11/1	9/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FOI	R OSE INTERN	VALUSE				WR_20 WE	II BECO	RD & r	OG (Ve-	sion 04/30/2019
	E NO				POD NO.	TRN NO.	ivecol	OL L	اع ۲ ر ۷ دا	5.011 V7(30(201)





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Vell	Engineer Well Number: SB-21B owner: EOG Resources		***************************************	Phone	No. 432	-848-9146	
faili	ing address: 5509 Champions Drive			THOIC	. 140		
itw.	Midland	State:		Texas		Zip code:	79706
ty.		State.				_ Zip code.	
v	VELL PLUGGING INFORMATION:						
• v	Name of well drilling company that p	lugged well:	Cascade D	rilling			
	New Mexico Well Driller License No				Expira	tion Date: 1/	31/23
	Well plugging activities were supervi	sed by the follo	owing well	driller(s)/rig su	apervisor(s):	
1	Date well plugging began: 8/12/20)21	_ Date	well plugging o	oncluded:	8/12/2021	
	GPS Well Location: Latitude: _ Longitude		deg, deg,	24 min, 43 min,	14.90 20.47	_sec _sec, WGS 8	4
	Depth of well confirmed at initiation by the following manner: tag line	of plugging as:	20	ft below gro	und level (bgl),	
	Static water level measured at initiation	on of plugging:	None	ft bgl			
	Date well plugging plan of operations	was approved	by the Sta	te Engineer:	3/24/2021	-	
)	Were all plugging activities consisten differences between the approved plu				Yes d (attach ac		ease descri s as needed)
				-			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
_					
_				•	
_		i			
			•		
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-			!		
		MULTIPLY E	BY AND OBTAIN		
		cubic feet x 7.4	805 = gallons		

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain	, say	that	I am	familiar	with	the	rules	of t	the (Office	of the	State
Engineer pertaining to the plugging of wells and that of	each a	nd all	of the	e stateme	nts in	this	Plugg	ging	Reco	ord and	l attacl	nments
are true to the best of my knowledge and belief.												

201.97

cubic yards

101-6

11/20/21

Signature of Well Driller

gallons

Date

FILE NO.

LOCATION



	OSE POD NO	. (WELL NO	.)		WELL TAG ID NO.	ī,		OSE FILE NOC	S).			
NO	POD 24				SB-22			C-4144				
Ē	WELL OWNE	ER NAME(S)						PHONE (OPTIO	ONAL)			
20	EOG Resou	urces						432-848-9146				
7	WELL OWNE	ER MAILING	ADDRESS	·				CITY STATE ZIP				
3	5509 Cham							Midland			79706	
AND WELL LOCATION								<u> </u>				
Z	WELL		Di	GREES MINUTES SECONDS 32 24 13.57								
	LOCATIO	N LAT	TITUDE	32	24	13.	o/ N	* ACCURACY	CURACY REQUIRED: ONE TENTH OF A SECOND			
ER	(FROM GP	S) LO	NGITUDE	-103	43	19.	89 W	* DATUM REC	QUIRED: WGS 84			
1. GENERAL	DESCRIPTIO		G WELL LOCATION TO	STREET ADDI	RESS AND COMMON	LANDM	ARKS - PLS	S (SECTION TO	WNSHIIP RANGE) WH	FRE AVAILABLE		
1. G			outh of US Highwa									
75												
	LICENSE NO	l,	NAME OF LICENSED	DRILLER					NAME OF WELL DRI	LLING COMPANY		
8	166	54			Shawn Cain				С	ascade Drilling		
	DRILLING ST	TARTED	DRILLING ENDED	DEPTH OF CO	MPLETED WELL (FT	5)	BORE HO	LE DEPTII (FT)	DEPTH WATER FIRS	T ENCOUNTERED (FT)	
1 0	8/11/	/21	8/11/21		ΝA			50		NA		
					00.43				STATIC WATER LEV	EL IN COMPLETED WI	LL (FT)	
130	COMPLETED	WELL IS:	ARTESIAN	DRY HOL	E SHALLO	W (UNCO	NFINED)			NA		
CASING INFORMATION	DRILLING FI	LUD	AIR	MUD	ADDITIV	LC SPEC	TEV-		<u> </u>			
¥		_			-	P200 E	_	500	***			
ORN	DRILLING METHOD ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Roto Sonic											
NE	DEPTH (feet bgl) BORE HOLE			CASING	MATERIAL AND	/OR	CA	ASING	CASING	CASING WALL	SLOT	
iG.	FROM	то	DIAM		GRADE	.		NECTION	INSIDE DIAM.	THICKNESS	SIZE	
SIL			(inches)	(include each casing string, and note sections of screen) (add				YPE ling diameter)	(inches)	(inches)	(inches)	
			+			(add coup	ing diameter)					
G&			+									
2. DRILLING												
SIL				1						<u></u>	1	
D.				ļ								
2												
				ļ								
										_		
	DEPTH	(feet bgl)	BORE HOLE	11	ST ANNULAR SE	AL MA	TERIAL A	ND	AMOUNT	метно	D OF	
L ₂	FROM	TO	DIAM. (inches)	1	VEL PACK SIZE-				(cubic feet)	PLACEN		
R/	0	50	6	 	Cement with	5% Ren	tonite		11	Trimie P	umnad	
TE	0		- 0		Cement with	1 3 /6 DCI	nonne		- 11	Tillile	uniped	
×				673								
A.												
5												
ANNULAR MATERIAL												
ะกำ												
FOR	OSE INTER	NAL USE						WR.20	WELL RECORD &	& LOG (Version 04/3	0/10)	

POD NO.

TRN NO.

WELL TAG ID NO.

Released to Imaging: 5/2/2022 3:37:29 PM

PAGE I OF 2

PAGE 2 OF 2

FILE NO.

LOCATION

	DEPTH (feet bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -		WATER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	:s	BEARING? (YES/NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	Fine Silty Sand Brown		Y VN	
	4	15	7	Caliche		Y VN	
	15	20	5	Fine silly sand Brown		Y VN	
	20	50	30	Medium sandstone Brown		Y VN	
						Y N	
ELL						Y N	
FWI						Y N	
0.0						Y N	
HYDROGEOLOGIC LOG OF WELL						Y N	
OCIO					-	Y N	
703					-	Y N	
100						Y N	
YDE						YN	
4. H						YN	
						YN	
						YN	
						Y N	
						Y N	
	i					Y N	
						Y N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTA	L ESTIMATED	
	PUME	· 🗆	IR LIFT 🔲	BAILER OTHER = SPECIFY:	WEL	L YIELD (gpm):	0.00
N	WELL TES	TEST STAR	RESULTS - ATTA T TIME, END TIM	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN- IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	CLUDIN ER THE	NG DISCHARGE NE TESTING PERIO	METHOD, DD.
TEST; RIG SUPERVISION	MISCELLA	VEOUS IN	FORMATION			·	
ER							
SUE							
RIG							
EST;	PRINT NAM	IE(S) OE D	BILL BIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ETPUC	TION OTUED TU	AN LICENSES
5. T	Cliff Hillman		KILL KIG JOI LK	VISON(S) THAT TROVIDED CHAILS SOLERVISION OF WELL COM	131KUC	TION OTHER TH	AN EICENSEE
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOI WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	S BEE	N INSTALLED AN	ID THAT THIS
6. SIGN			SLC	Shawn Cain		11/20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
FOI	R OSE INTERI	NAL LISE		Wp-20 WE	LLREC	CORD & LOG (Ver	sion 04/30/2010)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Vell	owner: EOG Resources				Phone	No.: 432	-848-9146	
ſail	ing address: 5509 Champions Drive							
ity:	Midland	State:		Ť	exas		Zip cod	de: 79706
	WELL PLUGGING INFORMATION:							
	Name of well drilling company that plugg	ed well: C	Cascade [Orilling				
	New Mexico Well Driller License No.: 1	664				Expira	ition Date:	1/31/23
	Well plugging activities were supervised by Cliff Hillman	y the follo	owing we	ll driller	(s)/rig su	pervisor(s):	
	Date well plugging began: 8/11/2021		_ Date	well pl	ugging co	ncluded:	8/11/20	21
	GPS Well Location: Latitude: Longitude:	32	_deg,	24 43	min, _	13.57	_ sec _ sec, WG	
	Longitude:	-103	_deg,	43	min, _	19.89	_ sec, WG	S 84
	Depth of well confirmed at initiation of pl by the following manner: tag line	ugging as:	50	ft be	low grou	nd level (bgl),	
	Static water level measured at initiation of	plugging:	None	ft bg	gl			
	Date well plugging plan of operations was	approved	by the St	ate Engi	ineer: 3	3/24/2021		
		••	•	Ũ		Yes	16	, ,
	Were all plugging activities consistent wit differences between the approved plugging							please descri ages as needed)
_					• •			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	90	77	Tremie	Boring no water
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_					
_					
_					
			(B)		
				4	
				:	
			2		
_					
		MULTIPLY E cubic feet x 7.4	BY AND OBTAIN 805 = gallons		

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

201.97

cubic yards

gallons

Date

11/20/21

Signature of Well Driller

Received by OCD: 2/28/2022 3:08:14 PM

FOR OSE INTERNAL USE

FILE NO.

LOCATION

WR-20 WELL RECORD & LOG (Version 04/30/19)

PAGE 1 OF 2

TRN NO.

WELL TAG ID NO.

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO POD 25	. (WELL NO.)		WELL TAG ID NO. SB-23			OSE FILE NOT C-4144	S).			
GENERAL AND WELL LOCATION	WELL OWNE EOG Resou							PHONE (OPTION 432-848-914				
TT	WELL OWNE	ER MAILING	ADDRESS					CITY		STATE	ZIP	
WEL	5509 Cham	pions Dri	ve				Midland Texas		Texas	79706		
2	WELL		DE	GREES	MINUTES	SECON	DS					
LA	LOCATIO	N LAT	TITUDE	32	24	15.2	26 _N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND		
RA	(FROM GP	S)		-103	43	18.	14 W	* DATUM REC	QUIRED: WGS 84			
EN	DESCRIPTION		GWELL LOCATION TO	STREET ADDR	ESS AND COMMON I	LANDM	ABVC DIC	S (SECTION TO	Whitellin Davies will	CDC ANDARE ART C		
1. G	Aproximately 10.5 south of US Highway 62/180							5 (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE				
-	LICENSE NO).	NAME OF LICENSED	DRILLER					NAME OF WELL DR	LLING COMPANY		
	166	54			Shawn Cain				C	ascade Drilling		
	DRILLING ST		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (FT)	T	BORE HOL	E DEPTH (FT)	DEPTH WATER FIR:	ST ENCOUNTERED (FT)	
83	7/27/	/21	7/27/21		NA			13		NA		
	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)						0:34		STATIC WATER LEV	EL IN COMPLETED WE	ELL (FT)	
Z	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)									NA		
ATIC	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:									-		
NW	DRILLING M	ETHOD:	ROTARY	☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY:			Roto Sonic					
NEC	DEPTH ((feet bgl)	BORE HOLE	CASING	MATERIAL AND	OR	C 4	SING	CASING CASING WA		L SLOT	
2. DRILLING & CASING INFORMATION	FROM	то	DIAM (inches)		de each easing string, and TYPE		ECTION	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)		
CA			(menes)	note sections of screen) (ad			(add coupl	ing diameter)	(menes)	()		
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1	DEPTH (BORE HOLE DIAM. (inches)	1	ST ANNULAR SEA VEL PACK SIZE-R				AMOUNT (cubic feet)	METHO PLACEM	1	
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ANNULAR MATERIAL												
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POD NO.

PAGE 2 OF 2

WELL TAG ID NO.

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	DEPTH (f	eet bgl)	THICKNESS		ND TYPE OF MATERIA ER-BEARING CAVITI			WATER BEARING?	ESTIMATE YIELD FO
	FROM	то	(feet)		pplemental sheets to fu			(YES/NO)	WATER- BEARING ZONES (gpi
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	☐ PUMF	, []	AIR LIFT	BAILER 0	THER - SPECIFY:		"	VELL YIELD (gpm	0.00
	WELL TEST				TA COLLECTED DURI HOWING DISCHARGE				
	MISCELLAN	VEOUS IN	FORMATION:						
Ì	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	OVIDED ONSITE SUPE	RVISION O	F WELL CONST	RUCTION OTHER	THAN LICENSE
	Cliff Hillma	n							
	RECORD OF	THE ABO	OVE DESCRIBED	WELL. I ALSO CERT	OF MY KNOWLEDGE FIFY THAT THE WELL HOLDER WITHIN 30 D	TAG, IF RI	EQUIRED, HAS E	BEEN INSTALLED	AND THAT THE
	Shawn Cain					11/20/21			
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			DATE	
-)P	OSE INTER	JAI 11CE					WR-20 WEI I	RECORD & LOG (Varsian 04/20/201
	E NO.	000			POD NO.		TRN NO.	ALCOND & LOG (+ Claidii 04/30/201





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number: SB- 23 owner: EOG Resources	×		132.848.0146
Well	owner: 5500 Champions Drive		Phone No.:	432-848-9146
	ng address: 5509 Champions Drive		T	70700
City:	Midland	State:	Texas	Zip code: 79706
<u>II. W</u>	ELL PLUGGING INFORMATION:	0	D CHE	
1)	Name of well drilling company that plug	ged well: Cascad	e Drilling	<u> </u>
2)	New Mexico Well Driller License No.:	1664	E:	xpiration Date: 1/31/23
3)	Well plugging activities were supervised Cliff Hillman	by the following	well driller(s)/rig supervis	sor(s):
4)	Date well plugging began: 7/27/2021	D:	ate well plugging conclud	ded: 7/27/2021
5)	GPS Well Location: Latitude: Longitude:	32 deg, -103 deg,	24 min, 15. 43 min, 18.	26 sec 14 sec, WGS 84
6)	Depth of well confirmed at initiation of p by the following manner: tag line	olugging as:1	ft below ground le	vel (bgl),
7)	Static water level measured at initiation of	of plugging: No	ne ft bgl	
8)	Date well plugging plan of operations wa	is approved by the	State Engineer: 3/24/2	021
9)	Were all plugging activities consistent widifferences between the approved plugging			If not, please describe the additional pages as needed):
				.

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	Neat Cement	30	21	Tremie	Boring no water
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MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

Ī,	Shawn Cain ,	say	that	Ian	n familiar	with	the	rules	of	the	Office	of	the	State
E	ngineer pertaining to the plugging of wells and that ea	ch a	nd all	of t	he stateme	ents in	this	Plugg	ing	Rec	ord and	l att	achr	nents
aı	e true to the best of my knowledge and belief.													

BR-C

11/20/21

Signature of Well Driller

Date

Received by OCD: 2/28/2022 3:08:14 PM

FOR OSE INTERNAL USE

FILE NO.

LOCATION

	OSE POD NO. ((WELL NO.)		WELL TAG ID NO.			OSE FILE NO	S).	<u> </u>		
OI	POD 26				5B-24			C-4144				
AND WELL LOCATION	WELL OWNER EOG Resour							432-848-914				
LL	WELL OWNER							CITY		STATE	ZIP	
WEI	5509 Champ	oions Driv	ve					Midland Texas 7			79706	
Q.	WELL		D	DEGREES MINUTES SECONDS								
LA	LOCATION	LAT	ITUDE	JDE 32 24 14.62 N			* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
ER	(FROM GPS)	LON	GITUDE	-103	43	18.21	W	* DATUM REC	QUIRED: WGS 84			
1. GENERAL	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Aproximately 10.5 south of US Highway 62/180											
	LICENSE NO.		NAME OF LICENSED	DRILLER		NAME OF WELL DR	ILLING COMPANY					
	1664	,			Shawn Cain				c	ascade Drilling		
	DRILLING STA		DRILLING ENDED	DEPTH OF COM	PLETED WELL (FT) B	ORE HO	E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT)	
	7/27/21 7/27/21 NA							30		NA		
Z	COMPLÉTED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCON						INED)		STATIC WATER LEV	VEL IN COMPLETED W NA	ELL (FT)	
TIO	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY;											
RMA	DRILLING METHOD: ROTARY HAMMER CABLE TOOL					OTHE	R - SPECIFY:	F	Roto Sonic			
NFO	DEPTH (feet bgl) BORE HOLE			CASING M	ATERIAL AND	OR		anic	CASING	CACONCINATI		
2. DRILLING & CASING INFORMATION	FROM TO		DIAM (inches)	GRADE (include each casing string, and note sections of screen)		- 1	CONN	SING IECTION YPE ing diameter)	INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
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DRII												
2.												
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	DEPTH (fo	cet bgl)	BORE HOLE	LIST	ANNULAR SE	AL MATE	ERIAL A	ND	AMOUNT	метно	DD OF	
IAL	FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY IN					Y INTE	RVAL	(cubic feet)	PLACE	MENT		
ANNULAR MATERIAL	0	30	6		Cement with	5% Bento	nite		7	Trimie P	'umped	
IR M,		*****										
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POD NO.

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WR-20 WELL RECORD & LOG (Version 04/30/19)

PAGE 1 OF 2

TRN NO.

LOCATION

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PAGE 2 OF 2

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11	DEPTH (I	TO	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERIAL ENG ER-BEARING CAVITIES OR pplemental sheets to fully desc	FRACTURE ZON	ES	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
25	0	6	6		Fine Silty Sand Brown			Y VN		
Ret !	6	10	4		Caliche			Y VN		
	10	30	20		Medium sandstone Brown			Y VN		
								Y N		
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4. HYDROGEOLOGIC LOG OF WELL	N N N N N N N N N N N N N N N N N N N							Y N		
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	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARIN	G STRATA:		1	L ESTIMATED		
	РИМЕ	·	AIR LIFT	BAILER 0	THER - SPECIFY:		WELI	L YIELD (gpm):	0.00	
SION	WELL TES				TA COLLECTED DURING W HOWING DISCHARGE AND					
TEST; RIG SUPERVISI	MISCELLANEOUS INFORMATION:									
rest	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:									
5.7										
SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THE WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.									
SIGN		B	20		Shawn Cain			11/20/21		
9		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME	<u></u>		DATE		
FOI	R OSE INTERI	NAL USE				WR-20 WI	ELL REC	ORD & LOG (Ve	rsion 04/30/2019)	
	E NO.				POD NO.	TRN NO.				





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	RAL / WELL OWNERSHIP:			
State Engi	ineer Well Number: SB-24			
Well own	er: EOG Resources		Phone No.: 432-8	348-9146
Mailing a	ddress: 5509 Champions Drive			
City: Mid	lland	State:	Texas	Zip code: 79706
				-
II. WEL	L PLUGGING INFORMATION:			
`	Name of well drilling company that plugged	well: Cascade	Drilling	
2) N	New Mexico Well Driller License No.: 1664	ļ	Expirati	on Date: 1/31/23
	Vell plugging activities were supervised by t Cliff Hillman	he following w	rell driller(s)/rig supervisor(s):	
4)	Date well plugging began: 7/27/2021	Da	te well plugging concluded: 7	/27/2021
5) (deg, _deg, _deg, _		sec sec, WGS 84
6) I	Depth of well confirmed at initiation of pluggory the following manner: tag line	ging as:30	ft below ground level (b	gl),
7) S	Static water level measured at initiation of pl	ugging: Nor	ne ft bgl	
8) [Date well plugging plan of operations was ap	proved by the	State Engineer: 3/24/2021	
9) V d	Vere all plugging activities consistent with a lifferences between the approved plugging p	n approved plu lan and the wel	gging plan? Yes I as it was plugged (attach add	If not, please describe litional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	55	46	Tremie	Boring no water
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		MULTIPLY	AND OBTAIN		
		MULTIPLY E cubic feet x 7.4	3Y AND OBTAIN 805 = gallons		

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , s	say that	I am	familiar	with th	he rules	of the	Office	of the	State
Engineer pertaining to the plugging of wells and that each	h and all	of th	e stateme	nts in tl	his Plugg	ging Re	cord and	l attach	ments
are true to the best of my knowledge and belief.									

201.97

cubic yards

11/20/21 Signature of Well Driller Date

gallons

Released to Imaging: 5/2/2022 3:37:29 PM



NO	OSE POD NO. POD 27	(WELL NO.)	I .	WELL TAG ID NO. SB-25	ı.		OSE FILE NO(C-4144	S).		
AND WELL LOCATION	WELL OWNE							PHONE (OPTIONAL) 432-848-9146			
L.	WELL OWNER	R MAILING	ADDRESS	<u> </u>				CITY		STATE	ZIP
WEL	5509 Cham	pions Driv	ve					Midland Texas 79706			79706
GENERAL AND	WELL LOCATION (FROM GPS		ITUDE	GREES MINUTES SECONDS 32 24 14.17 N -103 43 18.40 W			7 N	ACCURACY REQUIRED: ONE TENTIL OF A SECOND DATUM REQUIRED: WGS 84			
S	(TROM GIS	LON	GITUDE	-103	43 18.40 W						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SI Approximately 10.5 south of US Highway 62/180							S (SECTION, TO	(SECTION, TOWNSHIJIP, RANGE) WHERE AVAILABLE			
-	LICENSE NO.		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY	
	1664	4			Shawn Cain				C	Cascade Drilling	
	DRILLING STARTED DRILLING ENDED 8/10/21 8/10/21		DEPTH OF COM	EPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) NA 45		DEPTH WATER FIR	ST ENCOUNTERED (I	T)			
Z	COMPLETED WELL IS: ARTESIAN			DRYHOLE	SHALLO	W (UNCON	FINED)	STATIC WATER LEVEL IN COMPLETED WE NA			WELL (FT)
)L	DRILLING FL	U ID :	AIR	MUD	ADDITIV	'ES - SPECII	FY:				
ORMA	DRILLING METHOD: ROTARY		HAMMER	CABLE T	OOL	✓ OTHE	R - SPECIFY:	I	Roto Sonic		
CASING INFORMATION	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		and	CASING CONNECTION TYPE (add coupling diameter)		CASING INSIDE DIAM. (inches)	CASING WALI THICKNESS (inches)	SLOT SIZE (inches)
€3											
ING											- 0
DRILLING	-			-							
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	DEPTH (Foot h =1\						115			
AL	FROM	TO	BORE HOLE DIAM. (inches)	1	Γ ANNULAR SE EL PACK SIZE-				AMOUNT (cubic feet)		IOD OF EMENT
reri	PROM TO		Cement with	h 5% Bento	onite		10	Tremie	Pumped		
MA											
ANNULAR MATERIAL											
in in											
3. AN											

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FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 04/30/19) FILE NO. POD NO. TRN NO. LOCATION PAGE I OF 2 WELL TAG ID NO.

FILE NO.

LOCATION

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PAGE 2 OF 2

DEPTH (feet bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE	WATER BEARING?	ESTIMATED YIELD FOR
		(feet)	(attach supplemental sheets to fully describe all units)	(YES/NO)	WATER- BEARING ZONES (gpm)
0	6	6	Fine Silty Sand Brown	Y VN	
6	8	2	Caliche	Y VN	1
8	25	17	Fine silty sand Brown	Y VN	
25	45	20	Medium Sandstone	Y VN	
				Y N	
4				Y N	
1 × × × × × × × × × × × × × × × × × × ×				Y N	
5				Y N	
3				Y N	
5				Y N	
3				Y N	
				Y N	
5				Y N	
4. HYDROGEOLOGIC LOG OF WELL				Y N	
4				Y N	
П				YN	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
☐ PUMI	• 🔲 A	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm);	0.00
WELL TES MISCELLAI PRINT NAM	STAR		ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV		
PRINT NAM		RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUCTION OTHER T	HAN LICENSEE:
🚊 📗 RECORD OF	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOI WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	S BEEN INSTALLED A	ND THAT THIS
5	Sh	1	Shawn Cain	11/20/21	
°					

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	WELL OWNER						
State Engineer V	Vell Number: SB-	25				39.8-3	
Well owner: EC	OG Resources				Phone ?	No.: 432-848-914	6
Mailing address:	5509 Champions	Drive					
City: Midland			State:		Texas	Zip co	ode: 79706
II. WELL PLU	GGING INFOR	MATION:					
1) Name o	of well drilling con	npany that plugge	d well: Case	cade Drilling		3.	<u></u>
2) New M	exico Well Driller	License No.: 16	64			_ Expiration Date	: 1/31/23
3) Well pl Cliff Hil		vere supervised b	y the followin	ng well drille	r(s)/rig sup	ervisor(s):	
4) Date we	ell plugging began	8/10/2021		Date well pl	lugging co	ncluded: 8/10/20	021
5) GPS W	ell Location:	Latitude: Longitude:		eg, 24 eg, 43	min, _ min, _		GS 84
	of well confirmed a collowing manner:		gging as:	45 ft b	elow grour	nd level (bgl),	
7) Static w	ater level measure	ed at initiation of	plugging:	None ft b	gl		
8) Date we	ell plugging plan o	f operations was	approved by	the State Eng	gineer: 3	/24/2021	
	l plugging activiti ices between the a					Yes If not (attach additional)	, please describe pages as needed):
				-			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	80	70	Tremie	Boring no water
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	1	MULTIPLY [AND OBTAIN	'	-

MULTIPLY		BY	BY		
cubic feet	Х	7.4805	=	gallons	
cubic yards	х	201.97	=	gallons	

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

11/20/21

Date

PAGE 1 OF 2

Released to Imaging: 5/2/2022 3:37:29 PM

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO	. (WELL NO	3)		WELL TAG ID NO).		OSE FILE NO	S).			
O	POD 28				SB-26			C-4144				
T	WELL OWN	ER NAME(S))					PHONE (OPTIONAL)				
0C	EOG Resor	urces						432-848-9146				
LL	WELL OWN	ER MAILING	ADDRESS					CITY STATE ZIP				
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AL	LOCATIO	5711	TITUDE		27 13.51 N			* ACCURACY REQUIRED: ONE TENTH OF A SECOND				
GENERAL AND WELL LOCATION	(FROM GP	(S)	NGITUDE	-103	03 43 18.62 W ** DATUM REQUIRED: WGS 84							
GE	DESCRIPTION	ON RELATIN	G WELL LOCATION TO	STREET ADDR	ESS AND COMMO	N LANDM	ARKS – PLS	S (SECTION, TO	WNSIIJIP, RANGE) WI	ERE AVAILABLE		
-	Aproximately 10.5 south of US Highway 62/180											
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	LICENSE NO		NAME OF LICENSED	DRILLER	Shawn Cain				NAME OF WELL DR	ILLING COMPANY ascade Drilling		
	1664				Snawn Cam					ascade Dritting		
	DRILLING STARTED DRILLING ENDED 8/10/21 8/10/21			DEPTH OF CO	MPLETED WELL (I	T):	BORETIOL	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT	7)	
	8/10	721	8/10/21		NA			30		NA		
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FOR	OSE INTER	NAL USE						WR-20	WELL RECORD	LOG (Version 04/	30/19)	

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WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD. WELL TEST START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Cliff Hillman BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. Shawn Cain 11/20/21 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE		Приме	,	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00
MISCELLANEOUS INFORMATION: PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Cliff Hillman PS SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. Shawn Cain 11/20/21 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE							
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BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING. Shawn Cain 11/20/21 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE							
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SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE	TURE	RECORD OF	THE ABO	VE DESCRIBED	WELL, I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA	S BEEN INSTALLED A	ND THAT THIS
SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE			St	-	Shawn Cain	11/20/21	
FOR OSE INTERNAL LISE WR-20 WELL RECORD & LOG (Varion 04/20/2010)			SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
	FOI	OSE INTER	VAI IISE		WD.20 WE	LL RECORD & LOG (Va	rsion 04/30/2010)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

<u>I. G</u>	ENERAL / WELL OWNERSHIP:			
State	Engineer Well Number: SB-26			
Well	owner: EOG Resources		Phone No.:	432-848-9146
Maili	ing address: 5509 Champions Drive			4 - 121
City:	Midland	State:	Texas	Zip code: 79706
II. V	VELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plugg	ed well: Cascade	Drilling	
2)	New Mexico Well Driller License No.: 1	664	E	xpiration Date: 1/31/23
3)	Well plugging activities were supervised to Cliff Hillman	by the following we	ell driller(s)/rig supervi	sor(s):
4)	Date well plugging began: 8/10/2021	Date	e well plugging conclud	ded: 8/10/2021
5)	GPS Well Location: Latitude: Longitude:	32 deg, -103 deg,		.62 sec, WGS 84
6)	Depth of well confirmed at initiation of pl by the following manner: tag line	ugging as:30	ft below ground le	vel (bgl),
7)	Static water level measured at initiation of	plugging: None	e ft bgl	
8)	Date well plugging plan of operations was	approved by the S	tate Engineer: 3/24/2	021
9)	Were all plugging activities consistent wit differences between the approved pluggin			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	Neat Cement	55	46	Tremie	Boring no water
	NC:				
_					
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	10				
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	38				
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_					
_		MULTIPLY E	AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

11/20/21

Date

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

27711	OSE POD NO	(WELL NO			WELL TAG ID NO.			OSE FILE NO	9)				
NO	POD 29	.,			SB-27			C-4144	-,-				
GENERAL AND WELL LOCATION	WELL OWN)		I			PHONE (OPTI- 432-848-914					
TI	WELL OWN							CITY	_	STATE	Z!P		
WEI	5509 Cham	ipions Dri	ve					Midland		Texas	79706		
LAND	WELL	N La	DI	GREES 32	MINUTES 24	SECONE 12.90		• ACCURACY	REQUIRED: ONE TEN	TII OF A SECOND			
ERA	(FROM GF)S)		-103	43	18.8	5 W	* DATUM REG	QUIRED: WGS 84				
1. GEN	l		RG WELL LOCATION TO outh of US Highwa		RESS AND COMMON	LANDMA	RKS – PLS	PLSS (SECTION, TOWNSHIJP, RANGE) WHERE AVAILABLE					
	LICENSE NO. NAME OF LICENSED DRILLER Shawn Cain								NAME OF WELL DR	ILLING COMPANY ascade Drilling			
	DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BORE 7/26/21 7/26/21 NA							LE DEPTH (FT) 20	DEPTH WATER FIR	ST ENCOUNTERED (FT NA)		
N	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED						FINED)	STATIC WATER LEVEL IN COMPLETED WELL (FT) NA					
ATIC	DRILLING FLUID: AIR MUD ADDITIVES = SPECIFY:												
)RM	DRILLING M	IETHOD:	ROTARY	ПАММЕ	R CABLE TO	00L	OTHE	R = SPECIFY:	F	Roto Sonic			
CASING INFORMATION	DEPTH FROM	(include each easing string, and		CONN	SING VECTION YPE ing diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)					
\$ & C													
DRILLING &										<u> </u>			
RIL							<u></u>						
2. D													
	DEPTH	(feet bgl)	BORE HOLE	1 11	ST ANNULAR SE	AI MAT	FRIAI A	ND	AMOUNT	МЕТНО	I OF		
AL	FROM	TO	DIAM. (inches)	1	VEL PACK SIZE-				(cubic feet)	PLACE			
ATERI	0	20	6		Cement with	5% Bento	onite		4,5	Trimie P	umped		
ANNULAR MATERIAL													
ణ													
				<u> </u>					L				

Received by OCD: 2/28/2022 3:08:14 PM

 FOR OSE INTERNAL USE
 WR-20 WELL RECORD & LOG (Version 04/30/19)

 FILE NO.
 POD NO.
 TRN NO.

 LOCATION
 WELL TAG ID NO.
 PAGE 1 OF 2

Received by OCD: 2/28/2022 3:08:14 PM

LOCATION

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PAGE 2 OF 2

	DEPTH (feet bgl)		COLOR A	ND TYPE OF MATERIAL ENCOU	INTERED -		WA1	reb	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WA	FER-BEARING CAVITIES OR FR. upplemental sheets to fully describ	ACTURE ZONE	S	BEAR (YES	ING?	YIELD FOR WATER- BEARING ZONES (gpm)
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	15	20	5		Caliche			Y	∨ N	
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3								Y	N	
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GEO								Y	N	
SKO E								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
4								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARI	NG STRATA:		TOTAL			
	□Р∪МІ	P	AIR LIFT	BAILER 0	OTHER - SPECIFY:	·	WELL	YIELD	(gpm):	0.00
NO	WELL TES				TA COLLECTED DURING WELI SHOWING DISCHARGE AND DR					
TEST; RIG SUPERVISI	MISCELLA	NEOUS IN	FORMATION:							
PER										
S										
; Ki										
ES	PRINT NAM	1E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PR	OVIDED ONSITE SUPERVISION	OF WELL CON	ISTRUCT	ION O	THER TH	IAN LICENSEE:
5. 1	Cliff Hillma			,						
TURE	RECORD O	F THE ABO	OVE DESCRIBED	WELL, I ALSO CER	OF MY KNOWLEDGE AND BEI TIFY THAT THE WELL TAG, IF HOLDER WITHIN 30 DAYS AFT	REQUIRED, HA	AS BEEN	INSTA	LLED AN	ND THAT THIS
6. SIGNATURE		Bi	LC:		Shawn Cain			11/2	0/21	
9		SIGNAT	URE OF DRILLE	R / PRINT SIGNE	ENAME				DATE	
E0.	OCE INTER	NAT TICE				11/D 20 U/D	II DECC	h D A	00.00	
	R OSE INTER! E NO.	NAL USE			POD NO.	TRN NO.	LL KECO	ו אָ טאי	LOG (Vei	rsion 04/30/2019)
	~				. 00 1101	11/11/11/01				







NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number:	SB-27							
Well	owner: EOG Resources					Phone	No.: 432	-848-9146	
	ng address: 5509 Champ	oions Drive							
City:	Midland		State:		Т	exas		Zip code	79706
H. V	VELL PLUGGING INF	ORMATION:							
1)	Name of well drilling	company that plug	gged well:	Cascade I	Orilling				
2)	New Mexico Well Dr						Expira	ition Date: _	1/31/23
3)	Well plugging activiti	es were supervised	l by the foll	owing we	ll driller	(s)/rig su	pervisor(s):	
4)	Date well plugging be	egan: 7/26/2021	1	Date	well pl	ugging co	ncluded:	7/26/202	1
5)	GPS Well Location:	Latitude: Longitude: _		deg, deg,	24 43	min, _ min, _	12.90 18.85	_ sec _ sec, WGS	84
6)	Depth of well confirm by the following man		plugging as	:20	ft be	low grou	nd level (bgl),	
7)	Static water level mea	sured at initiation	of plugging	: None	ft bg	gl			
8)	Date well plugging pl	an of operations w	as approved	l by the St	ate Engi	ineer:	3/24/2021		
9)	Were all plugging act differences between the						Yes (attach ac		olease describ es as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
_					
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_					
		8			
_					
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_					
_					
		MULTIPLY 8 cubic feet x 7.4	BY AND OBTAIN 805 = gallons		

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain _, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

201.97

cubic yards

11/20/21

Signature of Well Driller

Date

PAGE 1 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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	OSE POD NO POD 29). (WELL NO).)		WELL TAG ID NO. SB-27A			OSE FILE NOC	S).				
OI					3D-21A								
GENERAL AND WELL LOCATION	WELL OWN)					PHONE (OPTION 432-848-914					
L	WELL OWN							CITY		STATE	ZIP		
WEL	5509 Cham	pions Dr	ive					Midland		Texas	79706		
2	WELL		DŁ	GREES	MINUTES	SECOND	S						
LA	LOCATIO	N LA	TITUDE	32	24	12.57	7 N	* ACCURACY	REQUIRED: ONE TEN	TII OF A SECOND			
ERA	(FROM GP	rS) LO	NGITUDE	-103	43	18.87	7 w	* DATUM REC	UIRED: WGS 84				
SEN	DESCRIPTION	ON RELATI	NG WELL LOCATION TO	STREET ADDRE	SS AND COMMON	LANDMAR	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	ERE AVAILABLE			
-	Aproximate	ely 10.5 s	outh of US Highwa	y 62/180									
II=	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY			
	166	54			Shawn Cain			Cascade Drilling					
	DRILLING ST 8/12		DRILLING ENDED 8/12/21	DEPTH OF COM	BORE HOL	E DEPTH (FT) 20	DEPTH WATER FIR	ST ENCOUNTERED (FT NA)				
Z	COMPLETED WELL IS: ARTESIAN			DRY HOLE	DLE SHALLOW (UNCONFINED)				STATIC WATER LEV	YEL IN COMPLETED W NA	ELL (FT)		
T10	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:					Y							
& CASING INFORMATION	DRILLING METHOD: ROTARY			☐ HAMMER	CABLETO	OOL [OTHE	R = SPECIFY:	F	Roto Sonic			
	DEPTH (feet bgl)		BORE HOLE	CASING N	ATERIAL AND	OR	CA	SING	CASING	CASING WALL	SLOT		
ASING	FROM	то	DIAM (inches)		GRADE ach casing string, a ections of screen)		CONN	VECTION YPE ing diameter)	INSIDE DIAM (inches)	THICKNESS (inches)	SIZE (inches)		
& C							•						
DRILLING													
DRI													
2.													
_,	DEPTH	(feet bgl)	BORE HOLE	1	T ANNULAR SE			-	AMOUNT	METHO			
ANNULAR MATERIAL	FROM	TO	DIAM. (inches)	GRAV	'EL PACK SIZE-I			RVAL	(cubic feet)	PLACE			
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AR													
D.													
ei													
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FOR	OSE INTER	NAL USE						WR-20	WELL RECORD &	& LOG (Version 04/)	30/19)		

POD NO.

TRN NO.

WELL TAG ID NO.

FILE NO.

LOCATION

PAGE 2 OF 2

WELL TAG ID NO.

Released to Imaging: 5/2/2022 3:37:29 PM

LOCATION

	DEPTH (1	feet bgl)	THICKNESS	COLOR AT	ND TYPE OF MATERIAL ENCO	UNTERED -		WATE	R	ESTIMATED YIELD FOR			
	FROM	то	(feet)		ER-BEARING CAVITIES OR FR pplemental sheets to fully descri	VITIES OR FRACTURE ZONES to fully describe all units) BEARING? (YES / NO)							
	0	4	4		Fine Silty Sand Brown			Υ .	N				
	4	8	4		Caliche			Y	/ N				
	8	20	12		Fine Silty Sand Brown			Υ .	/ N				
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HYDROGEOLOGIC LOG OF WELL								Y	N				
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					· · · · · · · · · · · · · · · · · · ·			Y	N				
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:		TOTAL E						
	PUMP		_		THER - SPECIFY:			rield (g		0.00			
		<u> </u>	incirt	BAILERO	THER - SPECIFT;								
	WELL TEST	TEST STAR	RESULTS - ATTA T TIME, END TIM	ACH A COPY OF DATE. AND A TABLE S	TA COLLECTED DURING WEL HOWING DISCHARGE AND DE	L TESTING, INC RAWDOWN OVE	LUDING R THE TI	DISCHA ESTING I	RGE N PERIO	METHOD, DD.:			
TEST; KIG SUPERVISION	MISCELLAN	VEOUS INI	FORMATION: Ste	p Out boring									
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ה כ													
2													
2	PRINT NAM	E(S) OF D	RILL RIG SUPER'	VISOR(S) THAT PRO	VIDED ONSITE SUPERVISION	OF WELL CONS	TRUCTION	ON OTHI	ER TH	AN LICENSEE			
ń	Cliff Hillman	n											
SIGNATORE	RECORD OF	THE ABO	VE DESCRIBED	WELL, I ALSO CERT	F MY KNOWLEDGE AND BE TIFY THAT THE WELL TAG, IF HOLDER WITHIN 30 DAYS AFT	REQUIRED, HAS	S BEEN IN	NSTALLI	ED AN	ID THAT THIS			
		81	1		Shawn Cain			11/20/2	21				
<i>•</i>		SIGNAT	URE OF DRILLER	R / PRINT SIGNEE	NAME			DA	ATE				
	OSE INTERN	JAI IISE				WP.20 WEI	I BECO	D & L O	G (V/a	sion 04/30/2019			
	E NO.	TIL OSL			POD NO.	TRN NO	L KECUK	ND R LO	o (ver	STORE 04/30/2019			





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	NERAL / WELL OWNERSHIP:
State	Engineer Well Number: SB-27A
Well	wner: EOG Resources Phone No.: 432-848-9146
Maili	g address: 5509 Champions Drive
City:	Midland State: Texas Zip code: 79706
<u>II. V</u>	ELL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well: Cascade Drilling
2)	New Mexico Well Driller License No.: 1664 Expiration Date: 1/31/23
3)	Well plugging activities were supervised by the following well driller(s) rig supervisor(s): Cliff Hillman
4)	Date well plugging began: 8/12/2021 Date well plugging concluded: 8/12/2021
5)	GPS Well Location: Latitude: 32 deg, 24 min, 12.57 sec Longitude: -103 deg, 43 min, 18.87 sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as: ft below ground level (bgl), by the following manner: tag line
7)	Static water level measured at initiation of plugging: None ft bgl
8)	Date well plugging plan of operations was approved by the State Engineer: 3/24/2021
9)	Were all plugging activities consistent with an approved plugging plan? Yes If not, please descr differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed)

Released to Imaging: 5/2/2022 3:37:29 PM

Received by OCD: 2/28/2022 3:08:14 PM

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
_					_
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_					
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-					
_					
_					
		MULTIPLY E	Y AND OBTAIN	22	
		cubic feet v 7.4	805 = nallone		

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	Х	201.97	=	gallons

III. SIGNATURE:

I,	Shawn Cain	, say	that 1	am	familiar	with	the	rules	of t	the	Office	of	the	State
E	ngineer pertaining to the plugging of wells and that of	each a	ınd all	of the	e stateme	nts in	this	Plugg	ing l	Rec	ord and	l att	achr	nents
at	re true to the best of my knowledge and belief.													

11/20/21

Signature of Well Driller

Date

Received by OCD: 2/28/2022 3:08:14 PM

FILE NO.

LOCATION

PAGE I OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

300	OSE POD NO. POD 30	(WELL NO.	.)		WELL TAG ID NO SB-28	5		OSE FILE NO(C-4144	S).			
OL					3D-28							
1. GENERAL AND WELL LOCATION	WELL OWNER							PHONE (OPTI- 432-848-914				
LL	WELL OWNER	R MAILING	ADDRESS					CITY		STATE	ZIP	
WEL	5509 Champ	pions Dri	ve					Midland		Texas	79706	
ND	WELL		Di	EGREES	MINUTES	SECON						
AL.	LOCATION	√ LAT	TITUDE	32	24	13.2	22 N	[REQUIRED: ONE TEN	TH OF A SECOND		
LER	(FROM GPS	EON LON	NGITUDE	-103	43	18.	11 W	* DATUM REG	QUIRED: WGS 84			
1. GE	ľ		Outh of US Highwa		ESS AND COMMON	N LANDM	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVAILABLE		
25	LICENSE NO.		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY		
	1664	4			Shawn Cain				c	ascade Drilling		
	DRILLING ST		DRILLING ENDED 8/10/21	DEPTH OF COM	APLETED WELL (F	T)		LE DEPTH (FT)	DEPTH WATER FIR		(FT)	
	8/10/2	Z I	8/10/21		NA			45		NA		
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HOL	SIIALLO	W (UNCO	NFINED)		STATIC WATER LEVEL IN COMPLETED WELL (FT) NA			
OTT)	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY								<u> </u>			
RM/	DRILLING ME	ETHOD:	ROTARY	☐ HAMMER	CABLE T	OOL	OTHE	R – SPECIFY:	I	Roto Sonic		
NFO	DEPTH (feet bgl)	BORE HOLE	CASING N	MATERIAL AND	D/OR	CA	ASING	CASING	CASING WAL	.L SLOT	
CASING INFORMATION	FROM TO		DIAM (inches)	GRADE (include each casing string, and note sections of screen)		CONN T	NECTION YPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	000.		
& C								<u>g</u>				
NG												
DRILLING												
DR												
7												
					·							
-	DEPTH (feet bgl)	BORE HOLE	LIS	T ANNULAR SE	EAL MA	TERIAL A	ND	AMOUNT		HOD OF	
IAL	FROM	TO	DIAM. (inches)	GRAN	EL PACK SIZE	-RANGE	BY INTE	RVAL	(cubic feet)	PLAC	CEMENT	
TER	0	45	6		Cement with	h 5% Ben	tonite		10	Tremi	e Pumped	
MA												
LAR												
ANNULAR MATERIAL	-											
3. A!			+									
FOR	OSE INTERN	201116						11/0 - 2/	WELL RECORD	* I OC (V	1/20/10)	

POD NO.

TRN NO.

LOCATION

PAGE 2 OF 2

	DEPTH (f	ect bgl)		COLOR AN	D TYPE OF MATERIAL EI	NCOUN	NTERED -		WAT	rep	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WATE	ER-BEARING CAVITIES Of option that is the state of the st	R FRAC	CTURE ZONES		BEAR (YES)	ING?	YIELD FOR WATER- BEARING
	0	6	6		Fine Silty Sand Brown				Y	✓ N	ZONES (gpm)
	6	15	9		Caliche				Y	✓ N	
	15	20	5		Fine silty sand Brown			-+	Ү	✓ N	
	20	45	25		Medium Sandstone			_	Y	✓ N	
									Y	N	-
اد									Y	N	
4. HYDROGEOLOGIC LOG OF WELL									Y	N	
OF V									Υ Υ	N	
90									Y	N	
ICL									Y	N	
COG									Y	N	
EOI									Y	N	
ROC									Y	N	
HYD									Y	N	
4.									Y	N	
									Y	N	
i									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD US	SED TO ES	TIMATE YIELD	OF WATER-BEARING	G STRATA:				ESTIM		
	PUMP	AI	R LIFT	BAILER OT	THER - SPECIFY:			WELL	YIELD	(gpm):	0.00
ON	WELL TEST	TEST I	RESULTS - ATT. FTIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SI	'A COLLECTED DURING VIOWING DISCHARGE AN	WELL 1 D DRA	resting, inci Wdown ove	LUDING R THE	G DISCH TESTIN	IARGE I	METHOD, DD.
NOISIA	MISCELLAN	IEOUS INF	ORMATION:								
TEST; RIG SUPER											
C St											
r; RI											
TES	PRINT NAM	E(S) OF DF	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVIS	SION O	F WELL CONS	TRUCT	TON OT	THER TH	IAN LICENSEE:
ĸ	Cliff Hillmar	1									
[+3					F MY KNOWLEDGE AND IFY THAT THE WELL TAC						
SIGNATURE					IOLDER WITHIN 30 DAYS						
NA		11	1		St C. i -				11/2	0/21	
6. SIC		M	-		Shawn Cain	_			11/2	U/ZI	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME					DATE	
FOF	R OSE INTERN	IAL USE					WR-20 WEL	L RECO	ORD & L	.OG (Vei	rsion 04/30/2019)
	E NO.		•		POD NO.		TRN NO.			,	





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number: SB-28			100 040 0440
Well	owner: EOG Resources		Phone No.:	432-848-9146
Maili	ng address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
II. W	VELL PLUGGING INFORMATION:			
1)	Name of well drilling company that p	olugged well: Cascad	de Drilling	
,	New Mexico Well Driller License No			1/31/23
2)	New Mexico Well Driller License No	Oil Transport		Expiration Date: 1/31/23
3)	Well plugging activities were superv Cliff Hillman	ised by the following	well driller(s)/rig superv	isor(s):
4)	Date well plugging began: 8/10/20	0 21 D	Pate well plugging conclu	aded: 8/10/2021
5)	GPS Well Location: Latitude:		min,1;	3.22 sec
	Longitude	: <u>-103</u> deg,	43 min, 18	8.11 sec, WGS 84
6)	Depth of well confirmed at initiation by the following manner: tag line	of plugging as:	ft below ground le	evel (bgl),
7)	Static water level measured at initiati	on of plugging:N	one ft bgl	
8)	Date well plugging plan of operation	s was approved by the	State Engineer: 3/24/	2021
9)	Were all plugging activities consister differences between the approved plu			Ti not, picase describe
			1 00 (****	1 8

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	80	69	Tremie	Boring no water
_					
_					
	88				
_					
_					
-					
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_		78.1			
-					
-					
-					
-					
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_					
		MULTIPLY 8	BY AND OBTAIN	'	,

MULTIPLY		BY		AND OBTAIN
cubic feet	χ	7.4805	=	gallons
cubic yards	Х	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain	, say that I	am	familiar	with	the	rules	of th	e Off	ice	of the	State
Engineer pertaining to the plugging of wells and that e	ach and all c	of the	stateme	nts in	this	Plugg	ing R	lecord	and	attach	ments
are true to the best of my knowledge and belief.											

Signature of Well Driller Date

WR-20 WELL RECORD & LOG (Version 04/30/19)

TRN NO.

WELL TAG ID NO.

Released to Imaging: 5/2/2022 3:37:29 PM

FOR OSE INTERNAL USE

FILE NO.

LOCATION



3	OSE POD NO. (V	VELL NO.)		WELL TAG ID NO.	2		OSE FILE NO	S).		-			
O	POD 31				SB-29			C-4144						
AT	WELL OWNER							PHONE (OPTI						
3	EOG Resourc							432-848-914	16					
LL	WELL OWNER							CITY		STATE	ZIP			
WE	5509 Champi	ons Dn	ve 					Midland		Texas	79706			
2	WELL		DE	GREES	MINUTES	SECONI	DS							
LA	LOCATION	LAT	TTUDE	32	24	14.4	0 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
ERA	(FROM GPS)	100	(GITUDE	-103	43	17.4	2 W	* DATUM REG	QUIRED: WGS 84					
GENERAL AND WELL LOCATION	DESCRIPTION			STREET ADDR	FSS AND COMMON	VI ANDMA	RKS PIS	KS – PLSS (SECTION, TOWNSHIIP, RANGE) WHERE AVAILABLE						
1. G	l .		outh of US Highway		bbs mib common	·		3 (320 11011, 10	onsian idade) wi	ICKE KYMENDEL				
	1.4													
	LICENSE NO.		NAME OF LICENSED	DRILLER	_,				NAME OF WELL DR					
	1664				Shawn Cain				· ·	Cascade Drilling				
	DRILLING STAR		DRILLING ENDED	DEPTH OF COM	MPLETED WELL (FT	Τ)		E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT)			
	8/10/21		8/10/21		NA			30		NA				
	COMPLETED W	n:11 19	ARTESIAN	DRY HOLI		W (UNCON	HEINIEDY	STATIC WATER LEVEL IN COMPLETED WELL (FT)						
Z	COMIT CETED W	CLL IS.	[_] ARTESIAN	DKT HOLI	SHALLO	W (UNCON	(FINED)			NA				
Ĕ	DRILLING FLUI	D:	AIR	MUD	FY									
2. DRILLING & CASING INFORMATION	DRILLING MET	HOD:	ROTARY	HAMMER	CABLE T	OOL	OTHE	R - SPECIFY:	ı	Roto Sonic				
FO	DEPTH (fee	et hal)		CASING	MATERIAL AND	VOP			<u> </u>					
E U	FROM	TO	BORE HOLE DIAM	CABING P	GRADE	JOK		SING ECTION	CASING INSIDE DIAM.	CASING WALL THICKNESS	SLOT SIZE			
ŠIK	1.10.11		(inches)		ach casing string, ections of screen)		Т	YPE	(inches)	(inches)	(inches)			
S				Hote s	ections of screen)	' 	(add coupl	ing diameter)						
S,			1							-				
Z	-													
RIL						-			<u>L.</u>	<u> </u>	 			
2. Di											-			
								<u> </u>						
								<u> </u>			-			
			+											
										 				
	DEPARTMENT													
L	DEPTH (fee		BORE HOLE DIAM. (inches)	1	T ANNULAR SE				AMOUNT	METHO PLACE				
RIA	FROM TO DIAM. (inches) GRAVEL PACK SIZE-RANGE BY IN						RVAL	(cubic feet)						
ME	0 30 6 Cement with 5% Bentonite						onite		6.5	Tremie P	'umped			
ANNULAR MATERIAL														
LAR														
S					<u> </u>									
AN		-												
eri			-		.									

POD NO.

PAGE 2 OF 2

			T 1							
WIE	FROM	feet bgl) TO	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERIAI ER-BEARING CAVITIES pplemental sheets to full	OR FRAG	CTURE ZONE	S B	WATER EARING? (ES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4		Fine Silty Sand Bro	wn			Y N	
	4	8	4		Caliche			,	Y VN	
	8	30	22		Medium Sandstone B	rown		,	Y VN	
									Y N	
								,	Y N	
13								,	Y N	
4. HYDROGEOLOGIC LOG OF WELL								,	Y N	
OF								,	Y N	
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000	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARIN	G STRATA:			TOTAL ES	TIMATED	
	□Р∪МІ	, [] v	IR LIFT	BAILER O	THER - SPECIFY:			WELL YII	ELD (gpm)	0.00
NO	WELL TES	TEST STAR	RESULTS - ATTA T TIME, END TIM	ACH A COPY OF DA ME, AND A TABLE SI	TA COLLECTED DURIN HOWING DISCHARGE	G WELL AND DRA	TESTING, INC WDOWN OVE	LUDING D	ISCHARGE TING PER	METHOD, IOD.
TEST; RIG SUPERVISION	MISCELLAI	NEOUS INF	FORMATION:							
rest	PRINT NAM	IE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPER	VISION O	F WELL CON:	STRUCTION	N OTHER T	HAN LICENSEE:
35	Cliff Hillman	n								
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	WELL, I ALSO CERT	F MY KNOWLEDGE A IFY THAT THE WELL I HOLDER WITHIN 30 DA	AG, IF RE	QUIRED, HA	S BEEN INS	TALLED A	ND THAT THIS
e. SIGN			She		Shawn Cain				11/20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FOF	R OSE INTERI	NAL USE					WR-20 WEI	L RECORD	& LOG (V	ersion 04/30/2019)
	E NO.				POD NO.		TRN NO.		220011	





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	Engineer Well Number: SE							
Well	owner: EOG Resources				Phone	No.: 432-	848-9146	
Mailir	ig address: 5509 Champion	ns Drive						
City:	Midland		State:		Texas		Zip code:	79706
II. W	ELL PLUGGING INFO	RMATION:						
1)	Name of well drilling co	ompany that plug	ged well: C	ascade D	rilling			
2)	New Mexico Well Drille					Expirat	ion Date: 1	31/23
3)	Well plugging activities Cliff Hillman	were supervised	by the follo	wing well	driller(s)/rig su	pervisor(s)	:	
4)	Date well plugging bega	n: <u>8/10/2021</u>		_ Date	well plugging c	oncluded: _	8/10/2021	
5)	GPS Well Location:	Latitude: Longitude:	32 -103	_deg, _deg,	24 min, 43 min,	14.40 17.42	sec sec, WGS 8	34
5)	Depth of well confirmed by the following manner		lugging as:	30	_ ft below grou	und level (b	gl),	
7)	Static water level measu	red at initiation o	of plugging:	None	ft bgl			
3)	Date well plugging plan	of operations wa	s approved l	by the Sta	te Engineer:	3/24/2021		
9)	Were all plugging activi differences between the					Yes I (attach ad		lease describes as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	Neat Cement	55	46	Tremie	Boring no water
_					
_					
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		MULTIPLY E	3Y AND OBTAIN	1	

MULTIPLY BY AND OBTAIN
cubic feet x 7.4805 = gallons
cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain	say	that	Iam	familiar	with	the	rules	of t	he Off	fice (of the	State
Engineer pertaining to the plugging of wells and that ear	ch a	nd all	of the	e stateme	nts in	this	Plugg	ing I	Record	and	attach	ments
are true to the best of my knowledge and belief.												

Signature of Well Driller Date

Received by OCD: 2/28/2022 3:08:14 PM

FILE NO.

LOCATION

PAGE 1 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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										-	
	OSE POD NO	(WELL NO.)		WELL TAG ID NO	ę.c		OSE FILE NO(S).		
O	POD 32				SB-30			C-4144			
ATI	WELL OWNE	R NAME(S)						PHONE (OPT)	ONAL)		
00	EOG Resou	ırces						432-848-914	16		
LL	WELL OWNE	R MAILING	ADDRESS					CITY		STATE	ZIP
VEL	5509 Cham	pions Dri	ve					Midland		Texas	79706
N Q	797		Di	GREES	MINUTES	SECON	DS	I	 		
Z	WELL	.	201	32	24	12.8	15	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND	
3	LOCATION (FROM GP)	2	ITUDE	102	42		N N	}	QUIRED: WGS 84	THE TABLESTA	
1. GENERAL AND WELL LOCATION	(FROM GF	LOV	GITUDE	-103	43	16.9	97 W	DATOM RE	QUINED: 1103 04		
GE	DESCRIPTIO	ON RELATIN	G WELL LOCATION TO	STREET ADDR	ESS AND COMMON	N LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVAILABLE	
÷	Aproximate	ely 10.5 sc	outh of US Highwa	y 62/180							
	Lucibiai No		Lucial of Labrata	DOM (III)					Luumaaman		
	LICENSE NO.		NAME OF LICENSED	DRILLER	Shawn Cain				NAME OF WELL DR	ascade Drilling	
				BURBU AN AN							
	DRILLING ST 8/9/2		DRILLING ENDED 8/9/21	DEPTHORCO	MPLETED WELL (F NA	" [BUKE HO	LE DEPTII (FT)	DEPTH WATERFIR	ST ENCOUNTERED (FT NA)
		··	0.7.2.								
	COMPLETED	WELL IS:	ARTESIAN	DRY HOL	E SHALLO	W (UNCO	NFINED)		STATIC WATER LEV	PEL IN COMPLETED W NA	ELL (FT)
O							22.5.77				
AT	DRILLING FLUID AIR MUD ADDITIVES – SPECIFY:										
RM	DRILLING M	ETHOD:	ROTARY	HAMMER	CABLE T	OOL	✓ OTHE	R - SPECIFY:	Į.	Roto Sonic	
NFO	DEPTH ((feet bg!)	BORE HOLE	CASING	MATERIAL ANI	D/OR			CASING	Granic Mari	T
CASING INFORMATION	FROM TO		DIAM		GRADE			ASING NECTION	INSIDE DIAM.	CASING WALL THICKNESS	SLOT
ZIS			(inches)		each casing string, sections of screen)		Т	YPE	(inches)	(inches)	(inches)
				note s	sections of serven,	<u>'</u>	(add coup	ling diameter)			
છ છ		<u></u>									
DRILLING											
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2. DI			+			-					
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				<u> </u>							
	<u> </u>		1	<u> </u>					1	<u> </u>	1
	DEPTH ((feet bgl)	BORE HOLE		ST ANNULAR SI				AMOUNT	метно	
IAL	FROM	TO	DIAM. (inches)	GRA'	VEL PACK SIZE	-RANGE	BY INTE	RVAL	(cubic feet)	PLACE	MENT
ER	0	30	6		Cement wit	h 5% Ben	tonite		6.5	Tremie F	umped
ANNULAR MATERIAL											
R			-	<u> </u>							
ULA											
Z					ē			927		÷.	
3. ∧											
FUD	OSE INTER	NAT LISE						\\/D_2	WELL BECORD	& LOG (Version 04/	30/191
100	. COL HYTER	ITAL USE						YY IX. Z	・・17 レレレ パじしひだひ(LLOUINCESION 04/1	JUL 171

POD NO.

TRN NO.

Received by OCD: 2/28/2022 3:08:14 PM

FILE NO.

LOCATION

PAGE 2 OF 2

¥	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	ER-BEARING CAVITIES OR FRACTURE ZONES pplemental sheets to fully describe all units) Fine Sitry Sand Brown Caliche Fine sitry sand Brown Medium Sandstone Brown Fat Clay Fat Clay Fat Clay Y N N					
	0	4	4	Fine Silty Sand Brown	YVN					
	4	10	6	A =						
	10	20	10							
Ш	20	25	5	V0						
	25	30	5							
- 91			,	Tactay						
ELI										
FW										
000										
770										
Ď						-				
103										
HYDROGEOLOGIC LOG OF WELL										
YDF					· · ·					
4. H										
I						-				
	METHOD U	SED TO ES	TIMATE VIELD	OF WATER-BEARING STRATA:						
			_			0.00				
	PUMI	P^	IR LIFT	BAILER OTHER - SPECIFY:						
ISION	WELL TES									
RVIS	MISCELLA	NEOUS INF	ORMATION:							
TEST; RIG SUPERV										
C SI										
F. R.										
rest	PRINT NAM	IE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER T	HAN LICENSEE:				
งก่	Cliff Hillma	n								
SIGNATURE	RECORD O	F THE ABO	VE DESCRIBED		S BEEN INSTALLED A	ND THAT THIS				
6. SIGN		St	1	Shawn Cain	11/20/21					
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE					
						131				
FOI	R OSE INTER	NAL USE		WR-20 WE	LL RECORD & LOG (Ve	ersion 04/30/2019)				

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number: SB-30			
Well	owner: EOG Resources		Phone No.:	432-848-9146
	ng address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
II. W	<u>ELL PLUGGING INFORMATION</u>	-		
1)	Name of well drilling company that	plugged well: Cascad	e Drilling	
2)	New Mexico Well Driller License N	No.: 1664	E	expiration Date: 1/31/23
3)	Well plugging activities were super Cliff Hillman	vised by the following v	well driller(s)/rig supervi	sor(s):
4)	Date well plugging began: 8/9/20)21	ate well plugging conclu	_{ded:} 8/9/2021
5)	GPS Well Location: Latitude:			2.85 sec 5.97 sec, WGS 84
6)	Depth of well confirmed at initiation by the following manner: tag line	n of plugging as: 3	0 ft below ground le	evel (bgl),
7)	Static water level measured at initia	tion of plugging: No	ne ft bgl	
8)	Date well plugging plan of operatio	ns was approved by the	State Engineer: 3/24/2	2021
9)	Were all plugging activities consists differences between the approved p			it livt, produce debelle
ı				

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	55	46	Tremie	Boring no water
_					
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-					
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_					
-					
_		MULTIPLY E	AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

PAGE 1 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

7	POD 33). (WELL NO.	.)		WELL TAG ID NO SB-31).		OSE FILE NO(C-4144	S).				
Į.					30-31								
CAT	WELL OWNE EOG Resou							PHONE (OPTION 432-848-914					
10	WELL OWN		ADDRESS					CITY		07.170	718		
AND WELL LOCATION	5509 Cham							Midland		STATE Texas	ZIP 79706		
N	WELL		Di	GREES	MINUTES	SECO	NDS						
LA	LOCATIO	N LAT	TITUDE	32	24	13.	.72 _N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
GENERAL	(FROM GP	'S) LOS	NGITUDE	-103	43	15.	.44 W	* DATUM REG	QUIRED: WGS 84				
EN	DESCRIPTION		G WELL LOCATION TO	STREET ADDE	RESS AND COMMO	N LANDM	IARKS – PLS	S (SECTION, TO	WNSIIJIP, RANGE) WI	IERE AVAILABLE	-		
1.0	Aproximate	ely 10.5 sc	outh of US Highwa	y 62/180									
High	LICENSE NO),	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY			
	166	54			Shawn Cain				C	ascade Drilling			
	DRILLING ST 8/9/		DRILLING ENDED 8/9/21	DEPTH OF CO	MPLETED WELL (I	FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FI	T)		
	0,3,		8/7/21		17/3				at the water		Idild & Livery		
Z	COMPLETE	O WELL IS:	ARTESIAN	DRY HOL	E SHALLO	OW (UNC	ONFINED)		STATIC WATER LEVEL IN COMPLETED WELL (FT) NA				
VTIC	DRILLING FI	LUID:	AIR	MUD	ADDITI	VES – SPE	CIFY						
DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER SPECIFY: Roto Sonic								Roto Sonic					
NFC	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AN	D/OR	CA	ASING	CASING	CASING WALL	SING WALL SLOT HICKNESS SIZE		
CASING INFORMATION	FROM	ТО	DIAM (inches)		GRADE (include each easing string, and note sections of screen) (add coup				INSIDE DIAM. (inches)	THICKNESS (inches)			
& C							(,						
S													
CLI													
DRILLING													
7.													
	DEPTH	(feet bgl)	BORE HOLE	LI	ST ANNULAR S	EAL MA	TERIAL A	ND	AMOUNT	метне			
IAL	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE	E-RANGI	E BY INTE	RVAL	(cubic feet)	PLACE	MENT		
LER	0	30	6		Cement wit	th 5% Be	ntonite		6.5	Tremie I	Pumped		
ANNULAR MATERIAL													
AR													
NO.													
AN													
ઌ૽													
EOD	OSE INTER	MAI LICE						3VD 2	WELL RECORD.	0.1.00.01	20/10)		

POD NO.

TRN NO.

WELL TAG ID NO.

FILE NO.

LOCATION

LOCATION

PAGE 2 OF 2

	DEPTH (feet bgl)	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERIA ER-BEARING CAVITIE pplemental sheets to full	S OR FRACTUI	RE ZONES	WAT BEARI (YES/	NG?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
72	0	15	15		Fine Silty Sand Bro	nwn		Y	v N	2014E3 (gpiii)
in.	15	25	10		Medium Sandstone			Y	V N	
	25	30	5		Fat Clay			Y	V N	
								Y	N	
								Y	N	
_i								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
OF								Y	N	
00,		·		· S		<u></u>		Y	N	
101								Y	N	
07								Y	N	· ·
GEO								Y	N	
RO								Y	N	
HYI			6)					Y	N	
4.								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	G STRATA:		- 1	AL ESTIMA		
	PUME	P	IR LIFT	BAILER 0	THER - SPECIFY:		WEI	LL YIELD	(gpm):	0.00
VISION	WELL TES				TA COLLECTED DURIN HOWING DISCHARGE					
TEST; RIG SUPERVIS	MISCELLAI	NEOUS INF	FORMATION:							
TEST	PRINT NAM	1E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	OVIDED ONSITE SUPER	RVISION OF WI	ELL CONSTRU	CTION OT	HER TH	AN LICENSEE:
5.	Cliff Hillman	n								
SIGNATURE	RECORD OF	F THE ABO	VE DESCRIBED	WELL. I ALSO CERT	OF MY KNOWLEDGE A FIFY THAT THE WELL HOLDER WITHIN 30 DA	TAG, IF REQUI	RED, HAS BEE	N INSTAL	LED AN	ID THAT THIS
6. SIGN	/	Sh C	1.		Shawn Cain			11/20	/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			[DATE	
FOF	R OSE INTERI	NAL USE				WI	R-20 WELL RE	CORD & I	OG (Ver	sion 04/30/2019)
	E NO.	000			POD NO.		N NO.	JONE & L	J (161)	2.20. 0 112012012)





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GE	NERAL / WELL OWN	ERSHIP:							
State E	ingineer Well Number: S	B-31							
Well o	wner: EOG Resources					Phone	No.: 432	-848-9146	
Mailin	g address: 5509 Champio	ons Drive							
City:	44.11		State:		Т	exas		Zip code:	79706
II. WI	ELL PLUGGING INFO	RMATION:							
1)	Name of well drilling o	ompany that plug	ged well:	Cascade D	rilling				
2)	New Mexico Well Dril						Expira	ntion Date: 1/	31/23
3)	Well plugging activities	s were supervised	by the follo	owing wel	l driller	(s)/rig su	pervisor(s):	
4)	Date well plugging beg	an: 8/9/2021		_ Date	well pl	ugging co	oncluded:	8/9/2021	
5)	GPS Well Location:	Latitude: Longitude:	32 -103	_deg, _deg,	24 43	min, min,	13.72 15.44	_ sec _ sec, WGS 8	34
6)	Depth of well confirme by the following manne		olugging as:	30	ft be	elow grou	ınd level (bgl),	
7)	Static water level meas	ured at initiation o	of plugging:	None	քե եչ	gl			
8)	Date well plugging plan	ı of operations wa	s approved	by the Sta	ate Engi	ineer:	3/24/2021		
9)	Were all plugging active differences between the								
									_

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	55	46	Tremie	Boring no water
-	1				
_	1				
-	1				
_	1				
	1				
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-	-	MULTIPLY	BY AND OBTAIN		

MULTIPLY		BY		AND OBTAIN
cubic feet	χ	7.4805	= ,	gallons
cubic yards	Х	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain	, say	y that	I am	familiar	with 1	the	rules	of	the	Office	of the	State
E	ingineer pertaining to the plugging of wells and that	each	and all	of the	e stateme	nts in t	this	Plugg	ging	Rec	ord and	l attacl	ments
aı	re true to the best of my knowledge and belief.												

11/20/21

Signature of Well Driller

Date

Received by OCD: 2/28/2022 3:08:14 PM

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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-40	OSE POD NO	. (WELL NO.)	1	WELL TAG ID NO) _{1,5}		OSE FILE NO	S).	_			
NO	POD 34			S	B-32			C-4144					
ATI	WELL OWNE	R NAME(S)		1				PHONE (OPTIO					
OC	EOG Resou	ırces						432-848-914	16				
T	WELL OWNE							CITY		STATE		ZIP	
VEL	5509 Cham	pions Dri	ve					Midland		Texas	79	706	
9			DI	GREES	MINUTES	SECON	DS						
A	LOCATION			32	24	13.8		* ACCURACY	REQUIRED: ONE TEN	TILOF A SECON	D		
Z.	(FROM GP	2	TTUDE	-103	43	14.7		5.5	QUIRED: WGS 84		_		
GENERAL AND WELL LOCATION		LON	GITUDE										
	1		G WELL LOCATION TO		SS AND COMMO	N LANDMA	RKS = PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVAILABL	E		
-i	Aproximate	ely 10.5 sc	outh of US Highway	y 62/180									
	LICENSE NO		NAME OF LICENSED	DRILLER	_				NAME OF WELL DR	U LING COMPA	uv		
	166				Shawn Cain					ascade Drilling			
	DRILLING ST	TARTED	DRILLING ENDED	DEPTH OF COM	PLETED WELL IE	T)	BORE HOL	E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTER	ED (ET)		
	7/27/		7/27/21		NA	,		20		NA			
					11.000				STATIC WATER LEV	EL IN COMPLE	TED WEL	L (FT)	
z	COMPLETED	WELL IS:	ARTESIAN	DRY HOLE	SHALLO	W (UNCO	NFINED)			NA		3155	
\TI0	DRILLING FL	.UID:	☐ AIR	MUD	ADDITIV	VES - SPEC	IFY:						
CASING INFORMATION	DRILLING M	ETHOD:	ROTARY	☐ HAMMER	CABLE 1	rool	OTHER	R = SPECIFY:	F	Roto Sonic CASING WALL SLOT			
NFC	DEPTH ((feet bgl)	BORE HOLE	1	ATERIAL ANI	D/OR	CA	SING	CASING	CASING W	, A I I	CLOT	
Ş	FROM	то	DIAM	1	GRADE	_,		ECTION	INSIDE DIAM	THICKNI		SIZE	
SIL	!		(inches)		(include each casing string, and note sections of screen) TYPE (add coupling diameter)				(inches)	(inches)	(inches)	
& C								,					
Ş													
Ę													
2. DRILLING													
2. I													
	DEPTH ((feet bgl)	BORE HOLE	LIST	ANNULAR S	EAL MAI	TERIAL A	ND	AMOUNT	М	ЕТНОГ	OF	
AL	FROM	TO	DIAM. (inches)	i	EL PACK SIZE				(cubic feet)	l l	ACEM		
ERI	0	20	6		Cement wit	h 5% Bent	tonite		4.5	Tro	emie Pui	nped	
ΙΑΤ													
ANNULAR MATERIAL			1										
J.C.			1										
Z										-			
3. A													
	OSE INITED:		-						WELL BECORD		9 (8)		

POD NO.

TRN NO.

FILE NO.

LOCATION

PAGE 2 OF 2

				A DE		
	DEPTH (fect bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	15	15	Fine Silty Sand Brown	Y VN	
	15	20	5	Caliche	YVN	
					YN	
					Y N	-
					Y N	
					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
OF					Y N	
00					Y N	
ICE					Y N	
507					Y N	
3EO					Y N	
ROC					Y N	
HYD					Y N	
4					Y N	ĺ
				N - N - N - N - N - N - N - N - N - N -	Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	PUM	• 🗀 A	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00
TEST; RIG SUPERVISION	WELL TES	STAR		ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVI		
5. TEST	PRINT NAM		RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TE	HAN LICENSEE:
SIGNATURE	RECORD OF	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN INSTALLED A	ND THAT THIS
6. SIGN		Sh	-	Shawn Cain	11/20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
FOI	R OSE INTERI			W/D on We	LL RECORD & LOG (Vo	rsion 04/30/2010s
101	COST HATER			WK-20 WE	TE VECOUD & FOO (AC	131011 07 30 4017)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Well	owner: EOG Resources				Phone	No.: 432	-848-9146	
Maili	ing address: 5509 Champions Drive							
City:	Midland	State:		1	Texas		Zip code:	79706
II. V	VELL PLUGGING INFORMATION:							
1)	Name of well drilling company that plug	ged well:	Cascade	Orilling	-			
2)	New Mexico Well Driller License No.:	1664				Expira	ation Date: 1	/31/23
3)	Well plugging activities were supervised Cliff Hillman	by the foll	owing we	ll driller	(s)/rig su	pervisor(s	s):	
4)	Date well plugging began: 7/27/2021	<u> </u>	Date	well pl	ugging co	oncluded:	7/27/2021	
5)	GPS Well Location: Latitude: Longitude:	32 -103	deg, deg,	24 43	min, min,	13.86 14.75	_sec _sec, WGS 8	34
6)	Depth of well confirmed at initiation of p by the following manner: tag line	olugging as	20	ft be	elow grou	ind level (bgl),	
7)	Static water level measured at initiation of	of plugging	None	ft bg	gl			
8)	Date well plugging plan of operations wa	as approved	by the S	ate Eng	ineer:	3/24/2021		
9)	Were all plugging activities consistent w differences between the approved pluggi					Yes (attach ac		lease describe es as needed):
ı 								

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (fi bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
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	· ·	MULTIPLY E	BY AND OBTAIN		

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	X	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain ,	say	that	Ia	am	familiar	with	the	rules	of	the	Office	of	the	State
E	ngineer pertaining to the plugging of wells and that ea	ich a	nd all	of	`the	stateme	nts in	this	Plugg	ing	Rec	ord and	l att	achi	nents
ar	e true to the best of my knowledge and belief.														

Signature of Well Driller Date

PAGE 1 OF 2

Released to Imaging: 5/2/2022 3:37:29 PM



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

											
7.	POD 35). (WELL NO	1.)		WELL TAG ID N SB-33	0.		OSE FILE NO(C-4144	S).		
Į.								175			
AND WELL LOCATION	EOG Resor)					432-848-914			
1	WELL OWN							CITY		STATE	ZIP
WEI	5509 Cham	ipions Dri	ve					Midland		Texas	79706
Q.	WELL		Di	EGREES	MINUTES	SECO		700			
	LOCATIO	N LA	TITUDE	32	24	11.	77 N	* ACCURACY	REQUIRED: ONE TEN	TII OF A SECOND	
GENERAL	(FROM GP	PS)	NGITUDE	-103	43	16.	05 W	• DATUM REC	QUIRED: WGS 84		
1. GEN	1		NG WELL LOCATION TO outh of US Highwa		RESS AND COMMO	ON LANDM	ARKS = PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
252	LICENSE NO),	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY	
	166	54			Shawn Cain				C	ascade Drilling	
	DRILLING S'		DRILLING ENDED 8/8/21	DEPTII OF CO	MPLETED WELL ((FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (I	FT)
Ve	COMPLETE	D WELL IS:	ARTESIAN	DRY HOL	.E SHALL	.OW (UNCC	(NFINED)		STATIC WATER LEV	VEL IN COMPLETED	WELL (FT)
LION	DRILLING FI	LUID:	□ AIR	☐ MUD	ADDIT	IVES - SPEC	CIFY				
RMA	DRILLING M		ROTARY	☐ HAMMÉR	CABLE	TOOL	OTHE	R = SPECIFY:	F	Roto Sonic	
INFC	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AN	ID/OR	C	ASING	CASING	CASING WALI	SLOT
& CASING INFORMATION	FROM	то	DIAM (inches)		GRADE each casing string sections of screen		CONN	NECTION TYPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SIZE (inches)
& C											
2. DRILLING				ļ							
ILL										ļ. 	
DR.										<u> </u>	
7											
											+
				 							
	DEPTH	(feet bgl)	BORE HOLE	LI	ST ANNULAR S	SEAL MA	TERIAL A	AND	AMOUNT	METH	IOD OF
IAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZ	E-RANGI	BY INTE	RVAL	(cubic feet)	PLAC	EMENT
ANNULAR MATERIAL	0	65	6		Cement w	ith 5% Bei	ntonite		10	Tremie	Pumped
MA											
AR											
5											
AN											
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	OSE INTER		1						WELL DECORD		

POD NO.

TRN NO.

WELL TAG ID NO.

FILE NO.

LOCATION

LOCATION

PAGE 2 OF 2

_					 .					
	DEPTH (I	feet bgl) TO	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERIAL ER-BEARING CAVITIES (pplemental sheets to fully (OR FRAC	CTURE ZONES	BEAL	TER RING? / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	6	6		Fine Silty Sand Brow	'n		Y	✓ N	
SIID	6	8	2		Caliche	_		Y	✓ N	
	8	20	12		Fine silty sand Brow	n		Y	V N	
	20	35	15		Medium Sandstone			Y	∨ N	
	35	40	5		Fat Clay			Y	✓ N	
7	40	50	10		Medium Sandstone			Y	✓ N	
VEL	50	55	5		Fat Clay			Y	✓ N	
OF V	55	60	5		Medium sandstone			Y	✓ N	
90	60	65	5		Fat Clay	· · ·		Y	✓ N	
CL					·			Y	N	
500								Y	N	
EOI								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
4VD								Y	N	
4.					134			Y	N	
								Y	N	
								Y	N	
							- -	Y	N	
		i					.	Y	N	
								Y	N	
								Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARIN	IG STRATA:		TC	TAL ESTIN	MATED	
	PUMF	P []Al	IR LIFT	BAILER O	THER - SPECIFY:		W	ELL YIELI) (gpm):	0.00
NO	WELL TES				TA COLLECTED DURING HOWING DISCHARGE AI					
VISI	MISCELLA	NEOUS INF	ORMATION:							
TEST; RIG SUPERVISION										
rest	PRINT NAM	IE(S) OF DE	RILL RIG SUPER	.VISOR(S) THAT PRO	OVIDED ONSITE SUPERV	ISION O	F WELL CONSTI	RUCTION O	THER TH	AN LICENSEE:
5.	Cliff Hillman	n								
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	WELL, I ALSO CERT	OF MY KNOWLEDGE AN FIFY THAT THE WELL TA HOLDER WITHIN 30 DAY	AG, IF RE	QUIRED, HAS B	EEN INSTA	LLED AN	ID THAT THIS
6. SIGN		2	LC		Shawn Cain			11/2	20/21	
9		SIGNATI	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FOF	R OSE INTERI	NAL USE					WR-20 WELL	RECORD &	LOG (Ver	sion 04/30/2019)
	E NO.				POD NO.		TRN NO.			





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Well c				
	owner: EOG Resources		Phone No.:	432-848-9146
Mailin	ng address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
II. W	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that p		ade Drilling	
				1/21/22
2)	New Mexico Well Driller License No	D.: 1004	E	Expiration Date: 1/31/23
3)	Well plugging activities were supervi Cliff Hillman	ised by the followin	g well driller(s)/rig superv	isor(s):
4)	Date well plugging began: 8/8/202	21	Date well plugging conclu	aded: 8/8/2021
5)	GPS Well Location: Latitude: Longitude			1.77 sec 5.05 sec, WGS 84
6)	Depth of well confirmed at initiation by the following manner: tag line	of plugging as:	65 ft below ground le	evel (bgl),
7)	Static water level measured at initiati	on of plugging:	None ft bgl	
8)	Date well plugging plan of operations	s was approved by t	he State Engineer: 3/24/	2021
9)	Were all plugging activities consister differences between the approved plu	nt with an approved	plugging plan? Yes well as it was plugged (atta	If not, please describe ach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	120	101	Tremie	Boring no water
_					
_					
_					
_					
_					
_					
_					
_					
-					
_		ii'			
-					
		MULTIPLY E	BY AND OBTAIN		

MULTIPLY		BY		AND OBTAIN
cubic feet	×	7.4805	=	gallons
cubic yards	X	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain I, Shawn Cain, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

PAGE 1 OF 2

Released to Imaging: 5/2/2022 3:37:29 PM

FILE NO.

LOCATION



										<u> </u>	
NO	OSE POD NO POD 36). (WELL NO	.)		WELL TAG ID NO. SB-34			OSE FILE NO	S).		
OCATI	WELL OWN EOG Reso							PHONE (OPTI 432-848-914			
17.	1	ER MAILING						CITY		STATE	ZIP
WEI	5509 Chan	npions Dri	ve					Midland		Texas	79706
GENERAL AND WELL LOCATION	WELL LOCATIO (FROM GE	ON LA	TITUDE	32	MINUTES 24	SECONI 11.4	15 N]	' REQUIRED: ONE TEN	TH OF A SECOND	
Z		LO	NGITUDE	-103	43	16.6					
1. GE	1		NG WELL LOCATION TO Outh of US Highwa		ESS AND COMMON	N LANDMA	RKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVAILABLE	
	LICENSE NO		NAME OF LICENSED	DRILLER	Shawn Cain				NAME OF WELL DR	ILLING COMPANY Cascade Drilling	
	DRILLING S	TARTED	DRILLING ENDED	DEPTILOF COM	APLETED WELL (FT	T)	BORE HOI	E DEPTH (FT)	DEPTH WATER FIR		(FT)
	8/8/	21	8/8//21		NA			25		NA	
z	COMPLETE	D WELL IS:	ARTESIAN	DRY HOLI	SHALLO	W (UNCON	NFINED)		STATIC WATER LEV	VEL IN COMPLETE NA	D WELL (FT)
T10	DRILLING F	LUID:	AIR	MUD	ADDITIV	ES - SPECI	IFY:		1		
DRMA	DRILLING M	IETHOD:	ROTARY	HAMMER	CABLETO	OOL	OTHE	R = SPECIFY:		Roto Sonic	
CASING INFORMATION	FROM	(feet bgl)	BORE HOLE DIAM (inches)	(include e	MATERIAL AND GRADE ach casing string, ections of screen)	and	CONN	SING IECTION YPE	CASING INSIDE DIAM. (inches)	CASING WAI THICKNESS (inches)	0201
& CA				note s	etions of screeny		(add coupi	ing diameter)			
NG											
DRILLING											
						\rightarrow					
2.		(t									
			<u> </u>								
					-						
									<u></u>	<u> </u>	
_	DEPTH	(feet bgl)	BORE HOLE	1	T ANNULAR SE				AMOUNT	I .	THOD OF
ANNULAR MATERIAL	FROM 0	TO 25	DIAM. (inches)	GRAV	'EL PACK SIZE-	500	127	RVAL	(cubic feet)		CEMENT
ATE	-	25	6	1	Cement with	1 5% Bent	onite		5,5	1 rem	ie Pumped
R M.											
ULA											
ANN											
ж,										_	
FOR	OSE INTER	INAL USE						WR-20	0 WELL RECORD	& LOG (Version (04/30/19)

POD NO.

TRN NO.

DEPTH (feet bgl)

TO

4

10

25

FROM

0

4

10

4. HYDROGEOLOGIC LOG OF WELL

Received by OCD: 2/28/2022 3:08:14 PM

THICKNESS

(feet)

4

6

15

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

ESTIMATED

YIELD FOR

WATER-

BEARING ZONES (gpm)

WATER

BEARING?

(YES/NO)

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Y

TOTAL ESTIMATED

	PUMP	AIR LIFT	BAILER	OTHER - SPECIFY:			WELL YIELD (gpm):	0.00
NOI	WELL TEST			OF DATA COLLECTED DU ABLE SHOWING DISCHAR				
TEST; RIG SUPERVISION	MISCELLANEO	DUS INFORMATIO	N:					
5. TES	PRINT NAME(S	S) OF DRILL RIG SI	JPERVISOR(S) TE	AT PROVIDED ONSITE SU	PERVISION OF	WELL CON	STRUCTION OTHER TH	AN LICENSEE:
SIGNATURE	RECORD OF TI	HE ABOVE DESCRI	BED WELL, I ALS	BEST OF MY KNOWLEDG SO CERTIFY THAT THE WE ERMIT HOLDER WITHIN 3	LL TAG, IF RE	QUIRED, HA	S BEEN INSTALLED AN	ID THAT THIS
6. SIGN		ShC		Shawn Cain			11/20/21	
•	S	IGNATURE OF DR	ILLER / PRINT	SIGNEE NAME			DATE	
FOR	R OSE INTERNAI	L USE				WR-20 WEI	LL RECORD & LOG (Ver	sion 04/30/2019)
FIL	E NO.	-		POD NO.		TRN NO.		
LO	CATION				WELL	TAG ID NO.		PAGE 2 OF 2

COLOR AND TYPE OF MATERIAL ENCOUNTERED -

INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES

(attach supplemental sheets to fully describe all units)

Fine Silty Sand Brown

Caliche

Fine Silty Sand Brown





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number. SB-34			
Well	owner: EOG Resources		Phone No.:	432-848-9146
Maili	ng address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
II. W	ELL PLUGGING INFORMATIO	ON:		
1)	Name of well drilling company the	hat plugged well: Cascade	e Drilling	
2)	New Mexico Well Driller Licens			Expiration Date: 1/31/23
3)	Well plugging activities were sup Cliff Hillman	pervised by the following v	vell driller(s)/rig supervi	isor(s):
4)	Date well plugging began: 8/8/	2021 Da	ate well plugging conclu	ded: 8/8/2021
5)	GPS Well Location: Latitue Longie			1.45 sec 3.62 sec, WGS 84
6)	Depth of well confirmed at initial by the following manner: tag line		5 ft below ground le	evel (bgl),
7)	Static water level measured at ini	tiation of plugging: No	ne ft bgl	
8)	Date well plugging plan of opera	tions was approved by the	State Engineer: 3/24/	2021
9)	Were all plugging activities considifferences between the approved			, pitabe debtilet
I				
ı				

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	45	38	Tremie	Boring no water
_					
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	i				
\dashv					
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_	;				
		MULTIPLY E	BY AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain	, say	y that	I an	n familiar	with	the	rules	of th	e Office	of	the	State
Eı	ngineer pertaining to the plugging of wells and that	each	and all	of tl	he stateme	nts in	this	Plugg	ing R	lecord an	d at	tachi	nents
ar	e true to the best of my knowledge and belief.												

Signature of Well Driller Date

Released to Imaging: 5/2/2022 3:37:29 PM

FILE NO.

LOCATION



	OSE POD NO). (WELL NO).)		WELL TAG ID NO.			OSE FILE NO	S).				
O	POD 37				SB-35			C-4144					
Ę	WELL OWN	ER NAME(S))					PHONE (OPTI	ONAL)				
OC.	EOG Reso	urces						432-848-914	16				
3	WELL OWN	ER MAILING	GADDRESS					CITY		STATE	ZIP		
EL	5509 Cham							Midland		-	79706		
3		<u> </u>											
Z	WELL		DI	GREES	MINUTES	SECO							
1	LOCATIO	N LA	TITUDE	32	24	11.	// N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND			
ER	(FROM GF	PS)	NGITUDE	-103	43	17.	71 W	* DATUM REG	QUIRED: WGS 84				
Z	DESCRIPTION		NG WELL LOCATION TO	STREET ADDI	NONWOOD COMMON	LANDM	ADVC DIC	E (SECTION TO	WASHING DANCE WIL	CDC AVAILABLE			
1. GENERAL AND WELL LOCATION	1		outh of US Highwa		CESS AIND COMMON	LANDA	AKKS — FES	3 (3101101), 10	within, Kande) wil	ERE AVAILABLE			
38-1	LICENSE NO		NAME OF LICENSES	SBU LEB					NAME OF BEEL PRO	II t DIC COMPANI			
	LICENSE NO		NAME OF LICENSED	DRILLER	Shawn Cain				NAME OF WELL DRI	ascade Drilling			
	DRILLING S 8/8/2		DRILLING ENDED 8/18/21	DEPTH OF CO	MPLETED WELL (FT NA)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR:	ST ENCOUNTERED (FT	")		
	0/0/2		0/10/21					6U		NA 			
	COMPLETE	n WELL IS:	ARTESIAN	DRY HOL	E SHALLON	V (UNICC	NEMEDI		STATIC WATER LEV	'EL IN COMPLETED W	ELL (FT)		
Z	COMPLETE	D WEEL 13.	AKTESIAN	_ DKT HOL	it Shatto	n (onee	AT INED)		l	NA			
4TI(DRILLING F	LUID:	AIR	MUD MUD	ADDITIVI	S - SPE	CIFY						
)RM	DRILLING N	IETHOD:	ROTARY	ПАММЕ	CABLE TO	OOL	OTHE	R – SPECIFY:	Roto Sonic				
CASING INFORMATION	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	OR	C	SING	CASING	CASING WALL	SLOT		
<u>G</u>	FROM TO DIAM			GRADE	.		NECTION	INSIDE DIAM.	THICKNESS	SIZE			
SIS			(inches)		each casing string. sections of screen)	and	Т	YPE ling diameter)	(inches)	(inches)	(inches)		
							(add coup)	ing diameter/					
G Se										<u></u>			
DRILLING									<u></u>		+		
			 										
Ä													
2.											1		
				-									
	DEPTH	(feet bgl)	BORE HOLE	LI	ST ANNULAR SE	AL MA	TERIAL A	ND	AMOUNT	метно			
IAL	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGI	BY INTE	RVAL	(cubic feet)	PLACE	MENT		
ER	0	80	6		Cement with	5% Bei	ntonite		17	Tremie P	umped		
[A]													
ANNULAR MATERIAL													
J.A			<u> </u>										
Ž													
3. A.													
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	l				<u> </u>				<u> </u>				
FOR	OSE INTER	NAL USE						WR-20	WELL RECORD &	LOG (Version 04/3	30/19)		

POD NO.

TRN NO.

FILE NO.

LOCATION

PAGE 2 OF 2

	DEPTH (ect bgl)		COLOR AND TYPE OF VATERIAL ENGOLVETERE		ESTIMATED
3,0	FROM	то	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	6	6	Fine Silty Sand Brown	YVN	
9	6	8	2	Caliche	YVN	
	8	25	17	Fine silty sand Brown	YVN	
	25	30	5	Medium Sandstone	Y VN	
	30	35	5	Fat Clay	Y VN	
ų	35	60	25	Medium Sandstone	Y VN	-
4. HYDROGEOLOGIC LOG OF WELL	60	70	15	Fat Clay	Y VN	
9	70	80	10	Medium sandstone	Y VN	
90					Y N	
12					Y N	
9					Y N	
350					Y N	
80					Y N	
2					Y N	
4.					Y N	
۱.					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	Примі		IR LIFT	BAILER OTHER - SPECIFY:	WELL YIELD (gpm):	0.00
					-	
VISION	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCI ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE		
	MISCELLA	VEOUS INF	ORMATION:			
TEST; RIG SUPER						
CS						
- 2						
TES	PRINT NAM	IE(S) OF DE	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER TH	IAN LICENSEE:
พำ	Cliff Hillma	n				
	B11 B1 B1	0.000.000				
TURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FORE WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLI	BEEN INSTALLED AN	ND THAT THIS
6. SIGNATURE		St	1	Shawn Cain	11/20/21	
		SIGNATI	URE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
FOR	OSE INTERI	NAL USE		WR-20 WEL	L RECORD & LOG (Vei	rsion 04/30/2019)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GE	ENERAL / WELL OWN	ERSHIP:						
State	Engineer Well Number: S	B-35						
Well	owner: EOG Resources					Phone	No.: 432	2-848-9146
Mailir	ng address: 5509 Champi	ons Drive						
City:	Midland		State:		T	exas		Zip code: 79706
<u>II. W</u>	ELL PLUGGING INFO	RMATION:						
1)	Name of well drilling of	company that plug	gged well:	Cascade (Orilling			
2)	New Mexico Well Dril						Expira	ation Date: 1/31/23
3)	Well plugging activitie	s were supervised	d by the follo	owing we	ll driller	(s)/rig su	pervisor(s	s):
4)	Date well plugging beg	gan: 8/8/2021		_ Date	well plu	ugging co	oncluded:	8/18/2021
5)	GPS Well Location:	Latitude: Longitude: _	32 -103	deg, deg,	24 43	min, min,	11.77 17.71	sec sec, WGS 84
6)	Depth of well confirmed by the following manner	ed at initiation of						
7)	Static water level meas	ured at initiation	of plugging:	: None	քե եք	gl		
8)	Date well plugging pla	n of operations w	as approved	by the St	ate Engi	ineer:	3/24/2021	_
9)	Were all plugging activ						Yes (attach ac	If not, please descri dditional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	150	125	Tremie	Boring no water
					
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		MULTIPLY E	RY AND OBTAIN		

MULTIPLY		8Y		AND OBTAIN
cubic feet	х	7.4805	=	gallons
cubic yards	Х	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Snawn Cain	say	that	I an	n familiar	with	the	rules	of th	ne Offic	e c	of the	State
Engineer pertaining to the plugging of wells and that ea	ch a	nd all	of the	he stateme	nts in	this	Plugg	ing R	lecord a	nd	attach	ments
are true to the best of my knowledge and belief.												

11/20/21

Signature of Well Driller

Date

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO	. (WELL NO	.)		WELL TAG ID NO.			OSE FILE NO	S).		
O	POD 38				SB-36			C-4144			
Ψ	WELL OWN		1					PHONE (OPTI			
00	EOG Resor	urces						432-848-914	16		
LL	WELL OWN	ER MAILING	ADDRESS					CITY		STATE	ZIP
EL.	5509 Cham	pions Dri	ve					Midland		Texas	79706
D				CONTEG	A ANN DITTE	- CLOON	ID 0				
Z	WELL		U.	EGREES 32	MINUTES 24	SECON	1 2				
AL	LOCATIO		TITUDE				N N		REQUIRED: ONE TEN	TH OF A SECOND	
ER	(FROM GP	(S)	NGITUDE	-103	43	17.	82 W	* DATUM REG	QUIRED: WGS 84		
GENERAL AND WELL LOCATION	DESCRIPTION	ON RELATIN	G WELL LOCATION TO	STREET ADD	RESS AND COMMON	LANDM.	ARKS - PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
-	1		outh of US Highwa								
1	<u> </u>			* 69							
15	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR		
	166	54			Shawn Cain				C	ascade Drilling	
	DRILLING ST	TARTED	DRILLING ENDED	DEPTH OF CO	MPLETED WELL (FT)	BORE HOL	E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FI	n)
	8/8/	21	8/8/21		NA			80		NA	
	0				10 000		-		STATIC WATER LEV	EL IN COMPLETED W	ELL (FT)
7	COMPLETED	O WELL IS:	ARTESIAN	DRY HO	LE SHALLOV	V (UNCO	NFINED)			NA	
100	DRILLING FI	LUID:	☐ AIR	MUD	ADDITIVE	S - SPEC	TIFY		<u> </u>		
MAT			ROTARY					n concentr	Т	lata Cania	
CASING INFORMATION	DRILLING M	ETHOD:	I KOTAKY	НАММЕІ	K CVRTE IC	XOL	IN OTHE	R = SPECIFY:		loto Sonic	
	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	OR	CA	SING	CASING	CASING WALL	SLOT
ည့	FROM TO DIAM				GRADE	.		ECTION	INSIDE DIAM.	THICKNESS	SIZE
SIL			(inches)		each easing string, a sections of screen)	and		YPE ing diameter)	(inches)	(inches)	(inches)
				1			(add coup	ing diameter)			1
DRILLING &											
Ž					·					l	
7.					 _						
				ļ							
	DEPTH	(feet bgl)	BORE HOLE		ST ANNULAR SEA	AT 34A	TEDIAL A	ND	AMOUNT	1,457711	20.05
ارد			DIAM. (inches)	1	VEL PACK SIZE-				(cubic feet)	METH(PLACE	
RIA	FROM 0	TO 80		Gian		170		K V AL		100	
TE	U	80	6		Cement with	5% Ben	tonite		17	Tremie F	'umped
ANNULAR MATERIAL											
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IOL											
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3. A											
F65	005 11:55			-							
FOR	OSE INTER	NAL USE						WR-20) WELL RECORD &	& LOG (Version 04/)	30/191

POD NO.

TRN NO.

PAGE 2 OF 2

WELL TAG ID NO.

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LOCATION

_	DEPTH (foot hal)					ESTIMATED
	FROM	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZON (attach supplemental sheets to fully describe all units)	ES BE	ATER ARING? ES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	Fine Silty Sand Brown	Y	✓ N	
	4	8	4	Caliche	Y	✓ N	
	8	25	17	Fine silty sand Brown	Y	∨ N	
	25	30	5	Medium Sandstone	Y	V N	
	30	35	5	Fat Clay	Y	∨ N	
73	35	50	15	Medium Sandstone	Y	✓ N	
WEI	50	55	5	Fat Clay	Y	✓ N	
OF	55	60	5	Medium sandstone	Y	✓ N	
507	60	70	10	Fat Clay	Y	✓ N	
4. HYDROGEOLOGIC LOG OF WELL	70	80	10	Medium Sandstone	Y	∨ N	
COC					Y	N	
GEO					Y	N	
RO					Y	N	
HXI					Y	N	
4,					Y	N	
1					Y	N	
					Y	N	
					Y	N	<u>-</u>
					Y	N	
					Y	N	
					Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL EST	IMATED	
	☐ PUMI	P 🔲 A	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIE	LD (gpm);	0.00
NO	WELL TES	TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	CLUDING DIS	SCHARGE N	METHOD,
ISIC	MISCELLAI	NEOLIS INI	FORMATION:				
ERV	MISCELLA	NEOUS IN	FORMATION;				
SUP							
SIG							
TEST; RIG SUPERVISI							
	PRINT NAM	ie(s) of D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO	NSTRUCTION	OTHER TH	IAN LICENSEE:
ν,	Cliff Hillma	n					
	BY SIGNIN	G BELOW	, I CERTIFY TH	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FO	REGOING IS	A TRUE A	ND CORRECT
SIGNATURE	RECORD OF	F THE ABO	OVE DESCRIBED	WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, H. WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	AS BEEN INST	CALLED AN	D THAT THIS
6. SIGN).	Sh C	Shawn Cain	1	1/20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
EOF	OCE INTER	MAT TICE		Who as we	TI DECORE	1.100.07	0.4/30/2015
	LOSE INTERI F NO	VAL USE		POD NO TRN NO	LL KECORD	x LUG (Vei	rsion 04/30/2019)





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Enginee	er Well Number: S	B-36		_					
owner:	EOG Resources				. 1	Phone N	No.: 432-	848-9146	
ng addr	ess: 5509 Champi	ons Drive							
Midlan	d		State:		Texa	as		Zip code:	79706
ELL P	LUGGING INFO	DRMATION:							
Nam	ne of well drilling o	company that plug	ged well: C	ascade D	rilling				and the latest and th
	Mexico Well Dril						Expirat	tion Date: 1	/31/23
	l plugging activitie Hillman	es were supervised	by the follo	wing well	driller(s)	rig sup	ervisor(s)		
Date	e well plugging beg	gan: 8/8/2021		_ Date	well plugg	ging cor	ıcluded: _	8/8/2021	
GPS	Well Location:	Latitude: Longitude:	32 -103	_deg, _deg,		min, _ min, _	11.18 17.82	_sec, WGS 8	34
	th of well confirment to following manner		olugging as:	80	_ ft below	v groun	ıd level (b	gl),	
Stati	c water level meas	sured at initiation o	of plugging:	None	ft bgl				
Date	well plugging pla	n of operations wa	ıs approved l	by the Sta	te Engine	er: _3/	24/2021		
	e all plugging activerences between the						Yes (attach ad		lease describes as needed):
	•							<u> </u>	

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	150	125	Tremie	Boring no water
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	•	MULTIPLY E	BY AND OBTAIN		

MULTIPLY		BY		AND OBTAIN
cubic feet	χ	7.4805	=	gallons
cubic yards	χ	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain ,	, say that I	am	familiar	with	the	rules	of the	Office	of	the	State
Eı	ngineer pertaining to the plugging of wells and that ea	ach and all o	f the	stateme	nts in	this	Plugg	ing Re	ecord an	d at	tachi	ments
ar	e true to the best of my knowledge and belief.											

Signature of Well Driller Date

PAGE 1 OF 2

FILE NO.

LOCATION



	OSE POD NO). (WELL NO	0.)		WELL TAG ID NO.			OSE FILE NO(S).			
O	POD 39				SB-37			C-4144				
ATI	WELL OWN	ER NAME(S)					PHONE (OPTI	ONAL)			
0C	EOG Reso	urces						432-848-914	16			
7	WELL OWN	ER MAILING	ADDRESS					CITY		STATE	ZIP	
E	5509 Chan	npions Dri	ve					Midland		Texas	79706	
AND WELL LOCATION												
AZ	WELL		Di	EGREES 32	MINUTES 24	SECO 11.						
	LOCATIO	N LA	TITUDE	J2		- 11	.17 N		REQUIRED: ONE TEN	TH OF A SECOND		
ER	(FROM GE	PS) LO	NGITUDE	-103	43	18.	.73 W	* DATUM REG	QUIRED: WGS 84			
GENERAL	DESCRIPTION	ON RELATIN	NG WELL LOCATION TO	STREET ADDI	RESS AND COMMON	LANDM	ARKS - PLS	S (SECTION, TO	WNSHJIP, RANGE) WII	IERE AVAILABLE		
1.0	ı		outh of US Highwa					. ,				
	<u> </u>											
	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY	-	
	166	54			Shawn Cain				C	Cascade Drilling		
	DRILLING S	TARTED	DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F)	Τ)	BORE HOL	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (F	T)	
	8/7/	21	8/7/21		NA			65		NA		
					7,3		Ł		STATIC WATER LEV	EL IN COMPLETED W	VELL (FT)	
7	COMPLETE	D WELL IS:	ARTESIAN	DRY HOL	LE SHALLO	W (UNC	NFINED)			NA		
<u> </u>	DRILLING F	LUID:	AIR	MUD	MUD ADDITIVES – SPECIFY							
MAI	DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Roto Sonic											
FORM	DRILLING	ETHOD:	L KOTAKY	наммен	CVBLE	OOL	OI IIE	R - SPECIFY:		Coto Sonic		
N.	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	O/OR	CA	SING	CASING	CASING WALL	SLOT	
CASING INFORMATION	FROM TO		DIAM		GRADE	,		ECTION	INSIDE DIAM.	THICKNESS	SIZE	
SI			(inches)		(include each casing string, and			YPE ing diameter)	(inches)	(inches)	(inches)	
					,		(add coaps	ing diameter)				
G &												
DRILLING				1						<u> </u>		
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2. DI												
~									<u>.</u>	ļ	-	
				-								
				<u>C</u>								
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										<u> </u>		
	DEPTH	(feet bgl)	BORE HOLE	[.1	ST ANNULAR SE	EAL MA	TERIAL A	ND	AMOUNT	метн	OD OF	
#	FROM	то	DIAM. (inches)		VEL PACK SIZE-				(cubic feet)		MENT	
RI.	0	65	6		Cement with	5% Re	ntonite		14	Tremie	Dumned	
¥.			- 		Coment with		itomite		17	Henne	rampeu	
Ž												
3												
5			_									
ANNULAR MATERIAL												
નાં												
FOR	OSE INTER	NAL USE						WR-20	WELL RECORD	& LOG (Version 04)	(30/19)	

POD NO.

TRN NO.

PAGE 2 OF 2

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FILE NO.

LOCATION

	DEPTH (I	feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONI (attach supplemental sheets to fully describe all units)	ES BEA	ATER ARING? S/NO)	ESTIMATED YIELD FOR WATER- BEARING
							ZONES (gpm)
	0	4	4	Fine Silty Sand Brown	Y	✓ N	
	4	10	6	Caliche	Y	✓ N	
	10	30	20	Fine silty sand Brown	Y	∨ N	
	30	35	5	Fat Clay	Y	∨ N	
	35	45	10	Medium sandstone	Y	∨ N	
LL	45	65	20	Fat Clay	Y	✓ N	
4. HYDROGEOLOGIC LOG OF WELL					Y	И	
OF					Y	N	
roc					Y	N	
CIC					Y	N	
20					Y	. N	
GEC					Y	N	
ORO					Y	N	
HXI					Y	N	
4					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL EST	MATED	
	PUMP	ЛА	IR LIFT	BAILER OTHER - SPECIFY:	WELL YIEL	D (gpm):	0.00
	WELL TEST	TEST		ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN	L CLUDING DIS	CHARGE N	метнор,
ION	WELL ILS	STAR	T TIME, END TIN	ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	ER THE TEST	ING PERIO	D.
TEST; RIG SUPERVIS	MISCELLAN	NEOUS INF	ORMATION:				
EST;	DDINT NAME	E/6) VE D	DILL DIC CLIDED	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ICTRICTION	OTHER TO	- LANGE LOCKIONE
5. TI	Cliff Hillman		KILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	1STRUCTION	DIHEK IH	AN LICENSEE:
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOI WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	AS BEEN INST	ALLED AN	ID THAT THIS
6. SIGNA		Bh.	6	Shawn Cain	11	/20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
FOI	OSE INTERN	JAI IICE		WD 20 WE	II DECODO I	LOCAVA	sion 04/30/2019)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	NERAL / WELL OWNERSHIP:				
State Er	ngineer Well Number: SB-37 wner: EOG Resources				46
Well ov	g address: 5509 Champions Drive		Phone	No.: 432-848-91	
City: N	Aidland State	:	Texas	Zip -	code: 79706
				-	
<u>II. WE</u>	ELL PLUGGING INFORMATION:				
1)	Name of well drilling company that plugged well:	Cascade D	Prilling		
2)	New Mexico Well Driller License No.: 1664			Expiration Da	te: 1/31/23
3)	Well plugging activities were supervised by the fol Cliff Hillman	lowing wel	l driller(s)/rig su	pervisor(s):	
4)	Date well plugging began: 8/7/2021	Date	well plugging co	oncluded: 8/7/20	021
5)	GPS Well Location: Latitude: 32 Longitude: -103	deg, deg,	24 min, 43 min,	11.17 sec 18.73 sec, V	VGS 84
6)	Depth of well confirmed at initiation of plugging as by the following manner: tag line	: 65	ft below grou	und level (bgl),	
7)	Static water level measured at initiation of plugging	g: None	ft bgl		
8)	Date well plugging plan of operations was approved	d by the Sta	ate Engineer:	3/24/2021	
9)	Were all plugging activities consistent with an appr differences between the approved plugging plan and				
					1

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	120	100	Tremie	Boring no water
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_		MULTIPLY E	I AND OBTAIN	1	

7.4805 cubic feet gallons 201.97 gallons cubic yards

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain		_ , sa	y that	I am	familiar	with 1	the	rules	of th	e Office	of	the	State
E	ngineer pertaining to the plugging	of wells and that	t each	and all	of the	e stateme	nts in t	this	Plugg	ing R	ecord an	d at	tachi	nents
ar	e true to the best of my knowledge	and belief.												

11/20/21 Signature of Well Driller

Date

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO	. (WELL NO	u)		WELL TAG ID NO	1,		OSE FILE NO	S).	·			
Z	POD 40				SB-38			C-4144					
E	WELL OWN	en Standbre						PHONE (OPTION	ONALI				
Č	EOG Resor		,					432-848-9146					
3													
=	WELL OWN							CITY		STATE	ZIP		
VEI	5509 Cham	ipions Dri	ve					Midland		Texas	79706		
AND WELL LOCATION			Di	EGREES MINUTES SECONDS			1	· · · · · · · · · · · · · · · · · · ·					
Y	WELL		Dis	32	24	10.0	47		DECLINATE OUR WINE				
AL	LOCATIO	N LA	TITUDE				N N	1	REQUIRED: ONE TENT	III OF A SECOND			
ER	(FROM GP	S) LO	NGITUDE	-103	43	18.	71 w	* DATUM REC	QUIRED: WGS 84				
GENERAL	DESCRIPTION	DN RELATIO	NG WELL LOCATION TO	STREET ADDI	RESS AND COMMON	N L A NDM.	ARKS - PIS	S (SECTION TO	WNSHIIP, RANGE) WH	ERF AVAILARI F			
1.6			outh of US Highway		ALDO THE COMMON			0 (020 11011) 10		bite II - III bite			
92	Aproximan	ety 10.5 S	outili of O3 riigiiwa	02/100									
	LICENSE NO).	NAME OF LICENSED	DRILLER					NAME OF WELL DR	LLING COMPANY			
	166				Shawn Cain			Cascade Drilling					
					1000						_		
	DRILLING ST 8/7/		DRILLING ENDED 8/7/21	DEPTHOFCC	MPLETED WELL (F NA	''	BORETIO	E DEPTH (FT)	DEPTH WATER FIR:	st encountered (f NA	1)		
	0, ,,	41	0///21		INA.			05	l	IVA			
	COLUMN TERM			C prv uo					STATIC WATER LEV	EL IN COMPLETED V	VELL (FT)		
Z	COMPLETER) WELL IS:	ARTESIAN	DRY IIO	LE SHALLO	W (UNCO	NFINED)			NA			
CASING INFORMATION	DRILLING FI	LUID:	AIR	MUD	ADDITIO	/ES - SPEC	CIFY						
ΑĀ	DRILLING METHOD: ROTARY HAMMER CABLE TOOL O							R - SPECIFY:	T	loto Sonic			
S.	DKILLING M	ETHOD:	[ROTART	_ HAMMEI	K CYBLE I	TOOL.	1º Othe	K = SPECIFI:	r	- Soliic			
Ä	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL ANI	D/OR		SING	CASING	CASING WALL	SLOT		
G I	FROM TO DIAM				GRADE			IECTION	INSIDE DIAM	THICKNESS	SIZE		
Z			(inches)		(include each casing string, and TYPE			YPE	(inches)	(inches)	(inches)		
Š	FROM TO			note sections of screen) (a		(add coup.	ing diameter)						
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DRILLING &													
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	DEPTH	(feet bgl)	BORE HOLE	11	ST ANNULAR S	EAL MA	TERIAL A	ND	AMOUNT	METU	OD OF		
Н			DIAM (inches)		VEL PACK SIZE				(cubic feet)		EMENT		
Z A	FROM	TO 65			Cement wit				14				
TE	0	63	6		Cement wit	n 5% Ber	itonite		14	Tremie	Pumped		
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ANNULAR MATERIAL											-		
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FOR	OSE INTER	NAL USE						WR-20	WELL RECORD &	& LOG (Version 04	/30/19)		

POD NO.

TRN NO.

PAGE 2 OF 2

	DEPTH (f	eet bgl)	<u> </u>		_		ESTIMATED
	FROM	то	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)		WATER BEARING? YES/NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	Fine Silty Sand Brown	ŀ	Y N	
×	4	6	2	Caliche		Y VN	
	6	30	24	Fine silty sand Brown		Y VN	
	30	50	20	Medium Sanstone		Y VN	
	50	55	10	Fat Clay		Y VN	
3	55	65	10	Clayey sandstone		Y VN	
WEI						Y N	
4. HYDROGEOLOGIC LOG OF WELL						Y N	
507						Y N	
SIC					_	Y N	
070						Y N	
GEC						Y N	
DRO						Y N	
HX						Y N	
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	į					Y N	
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						Y N	
						Y N	
						Y N	
						Y N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:		STIMATED	
	PUMP	A	IR LIFT	BAILER OTHER - SPECIFY:	WELL Y	IELD (gpm):	0.00
ION	WELL TEST	. TEST STAR	RESULTS - ATT. T TIME, END TI	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV	CLUDING I ER THE TE	DISCHARGE N STING PERIO	ИЕТНОД, рД.
VISI	MISCELLAN	IEOUS IN	FORMATION:			·	
SUPERVIS							
SSU					(3)		
; RIG							
TEST;	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUCTIO	 N OTHER TH	AN LICENSEE
5. T	Cliff Hillman				oncene	AVOTILE III	THE ELECTIONS
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOR WELL, I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN IN	ISTALLED AN	ID THAT THIS
6. SIGN/			SLC	Shawn Cain		11/20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
FOF	R OSE INTERN	IAL USE		WR-20 WE	LL RECOR	D & LOG (Ver	sion 04/30/2019)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

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ibe :
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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	120	100	Tremie	Boring no water
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		MULTIPLY E	Y AND OBTAIN		

MULTIPLY		BY		AND OBTAIN
cubic feet	×	7.4805	=	gallons
cubic yards	Х	201.97	=	gallons

II. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain ,	, say	that I	am	familiar	with	the	rules	of t	he (Office	of tl	he S	State
Eı	ngineer pertaining to the plugging of wells and that ea	ach a	nd all	of the	stateme	nts in	this	Plugg	ing	Reco	ord and	atta	chm	ients
ar	e true to the best of my knowledge and belief.													

Signature of Well Driller

11/20/21

Date

Released to Imaging: 5/2/2022 3:37:29 PM

FILE NO.

LOCATION



NO	OSE POD NO POD 41	(WELL NO	0.)		WELL TAG ID NO. SB-39	9		OSE FILE NO(C-4144	S).			
OCATI	WELL OWNE EOG Resou		5)		···			PHONE (OPTION 432-848-914				
GENERAL AND WELL LOCATION	WELL OWNE 5509 Cham							CITY Midland		STATE Texas	ZIP 79706	
9			Di	GREES	MINUTES	SECONE	25		···			
AL AN	LOCATIO: WELL		ATITUDE	32	24	10.4			ACY REQUIRED. ONE TENTII OF A SECOND			
E	(FROM GP	S) LO	DNGITUDE	-103	6 W	* DATUM REC	QUIRED: WGS 84					
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Approximately 10.5 south of US Highway 62/180											
	LICENSE NO		NAME OF LICENSED	DOLLIED					NAME OF WELL DR	H LING COMBANY		
1	166		NAME OF LICENSED	DRILLER	Shawn Cain				I .	Cascade Drilling		
	DRILLING ST 7/26/		DRILLING ENDED 7/26//21	DEPTH OF CO	MPLETED WELL (FI NA	T)	BORE HOI	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FT NA)	
COMPLETED WELL IS. ARTESIAN DRY HOLE SHALLOW (UNCONFINED)									STATIC WATER LEV	VEL IN COMPLETED W NA	ELL (FT)	
2	DRILLING FI	LUID:	AIR	MUD	ADDITIV	'ES - SPECI	FY					
DRMA	DRILLING M	ETHOD:	ROTARY	☐ HAMMER ☐ CABLE TOOL ✓ OTHER - SPECIFY:			R = SPECIFY:	Roto Sonic				
F.	DEPTH (feet bgl) BORE HOLE		CASING	MATERIAL AND	D/OR	CA	SING	CASING	CASING WALL	SI OT		
CASING INFORMATION	FROM TO DIAM (inches)			GRADE each casing string, sections of screen)		CONN T	VECTION YPE ling diameter)	INSIDE DIAM. (inches)	THICKNESS (inches)	SLOT SIZE (inches)		
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	DEPTH ((fact hal)		<u> </u>	OT							
3	FROM	TO	BORE HOLE DIAM. (inches)		ST ANNULAR SE VEL PACK SIZE-				AMOUNT (cubic feet)	METHO PLACE!		
R	0	15	6		Cement with	5% Bent	nnite		3,5	Tremie P	umned	
\T				-	Comment With	. STO Delle				Tremite 1	ampea	
X.												
- FA												
ANNULAR MATERIAL												
е,												
FOR	OSE INTER	NAL USE	3					WR-20	WELL RECORD	& LOG (Version 04/3	30/19)	

POD NO.

TRN NO.

LOCATION

PAGE 2 OF 2

ļ	DEPTH (cet bgi)	_	COLOR AN	ND TYPE OF MATERIAL ENC	OUNTERED -	W	ATER	ESTIMATE
	FROM	то	THICKNESS (feet)		ER-BEARING CAVITIES OR F pplemental sheets to fully descr		BEA	RING? S/NO)	YIELD FOR WATER- BEARING ZONES (gpn
	0	15	15		Fine Silty Sand Brown		Y	✓ N	
							Y	N	
							Y	N	
						•	Y	N	
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							Y	N	
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							Y	N	
							Y	N	
						110 00	Y	N	
							Y	N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARIN	G STRATA:		TOTAL ESTI		
	PUMI	·	AIR LIFT	BAILER O	THER - SPECIFY:		WELL YIELI	D (gpm):	0.00
	WELL TEST				TA COLLECTED DURING WE HOWING DISCHARGE AND D				
ŀ	MISCELLA	NEOUS IN	FORMATION:						
-	PRINT NAM	IE(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERVISIO	N OF WELL CONS	TRUCTION C	THER TH	IAN LICENSE
	Cliff Hillman	n							
	RECORD OF	THE ABO	OVE DESCRIBED	WELL, I ALSO CERT	OF MY KNOWLEDGE AND B TIFY THAT THE WELL TAG. I HOLDER WITHIN 30 DAYS AF	F REQUIRED, HAS	BEEN INSTA	ALLED AN	D THAT THI
		St	-		Shawn Cain		11/	20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			DATE	
- DR	OSE INTERI	NAL USE				WR-20 WEI	L RECORD &	LOG (Ver	rsion 04/30/201
	E NO.				POD NO.	TRN NO.			





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	ENERAL / WELL OWNERSHIP:							
State	Engineer Well Number: SB-39			_		420	949 0446	
Well	owner: EOG Resources			-	Phone	No.: 432	-848-9146	
Maili City:	ing address: 5509 Champions Drive Midland	State:		T	Texas		Zip code:	79706
<u>II. V</u>	WELL PLUGGING INFORMATION:							
1)	Name of well drilling company that plugg	ged well: C	Cascade I	Orilling				<u>. </u>
2)	New Mexico Well Driller License No.: 1	664				Expira	ation Date: 1	/31/23
3)	Well plugging activities were supervised l Cliff Hillman	by the follo	wing we	ll driller	(s)/rig su	pervisor(s):	
4)	Date well plugging began: 7/26/2021		_ Date	well pl	ugging co	oncluded:	7/26/2021	
5)	GPS Well Location: Latitude:Longitude:		_deg, _ _deg, _	24 43	min, min,	10.40 19.46	_ sec _ sec, WGS	84
6)	Depth of well confirmed at initiation of pl by the following manner: tag line	ugging as:	15	ft be	elow grou	ınd level (bgl),	
7)	Static water level measured at initiation of	f plugging:	None	ft b	gl			
8)	Date well plugging plan of operations was	approved	by the St	ate Eng	ineer:	3/24/2021	20	
9)	Were all plugging activities consistent wit differences between the approved pluggin					Yes (attach a		lease describe es as needed):
I								

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	30	23	Tremie	Boring no water
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		MULTIPLY E	BY AND OBTAIN		

cubic feet 7.4805 gallons cubic yards

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I. Shawn Cain I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

Date

11/20/21

FILE NO.

LOCATION

PAGE 1 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

				•							
7	OSE POD NO POD 42	. (WELL NO.)		WELL TAG ID NO. SB-40	_		OSE FILE NOT C-4144	S).		
LIOI					JD-10						
1. GENERAL AND WELL LOCATION	EOG Resor							432-848-914			
077	WELL OWN	ER MAILING	ADDRESS					CITY		STATE	ZIP
/ELI	5509 Charr							Midland		Texas	79706
D V			DI-	GREES	MINUTES	SECON	DS	<u> </u>			
A	WELL LOCATIO	N		32	24	12.9		* ACCURACY	REQUIRED: ONE TEN	TILOF A SECOND	
RAI	(FROM GP	S)	TTUDE	-103	43	19.9			QUIRED: WGS 84		
ENE	DUSCRIPTIO		G WELL LOCATION TO					E PECTION TO	Which has been an	DEBUT AND ADDRESS	
1.6	I		outh of US Highway		ESS AND COMMON	LANDWA	AKS - FLS	3 (320 1103), 10	wasidif Kangej wi	IERE AVAILABLE	
UC):	LICENSE NO).	NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMPANY	
	166	54			Shawn Cain					ascade Drilling	
	DRILLING S		DRILLING ENDED	DEPTH OF COM	MPLETED WELL (FT	Γ)		.E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (F	T)
	7/26	/21	7/26//21		NA			20		NA	
Z	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL IN COMPLETED WATER LEVEL WATER LEVEL IN COMPLETED WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL WATER LEVEL							VELL (FT)			
DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY;											
CASING INFORMATION	DRILLING METHOD: ROTARY			HAMMER	CABLE TO	00L	OTHE	R = SPECIFY;	I	Roto Sonic	-
INFC	DEPTH (feet bgl) BORE HOLE			CASING N	MATERIAL AND	/OR	CA	SING	CASING	CASING WALL	SLOT
S	FROM TO DIAM		finclude e	GRADE ach casing string,	and	CONN	ECTION	INSIDE DIAM.	THICKNESS	SIZE	
ASI			(inches)		ections of screen)			YPE ing diameter)	(inches)	(inches)	(inches)
જ						\perp					
2. DRILLING											
ZIL.											
2. DI									-		
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			<u> </u>	<u> </u>							
	DEPTH	(feet bgl)	BORE HOLE	1	T ANNULAR SE				AMOUNT	МЕТН	
RIAI	FROM	ТО	DIAM. (inches)	GRAV	EL PACK SIZE-		100	RVAL	(cubic feet)		EMENT
ME	0	20	6		Cement with	5% Bent	onite		4.5	Tremie	Pumped
ANNULAR MATERIAL											
LAF		<u>.</u>									
ONN									-		
3. Aľ								_			
•											
FOR	OSE INTER	NAL USE	·					WR-20	WELL RECORD	LOG (Version 04	/30/19)

POD NO.

TRN NO.

LOCATION

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PAGE 2 OF 2

	DEPTH (1	feet bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTE	RED -	WATER	ESTIMATED YIELD FOR
	FROM	то	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTU (attach supplemental sheets to fully describe all t		BEARING? (YES/NO)	WATER- BEARING ZONES (gpm
	0	10	10	Fine Silty Sand Brown		Y VN	
	10	15	5	Caliche Tan		Y VN	
	15	20	5	Medium Sandstone		Y VN	
						Y N	
						Y N	
3						Y N	
WE						Y N	
Q.				<u> </u>		Y N	
ĕ						Y N	
2						Y N	
Š						Y N	
HYDROGEOLOGIC LOG OF WELL						Y N	
D X 0						Y N	
						Y N	
4						Y N	
						Y N	
						Y N	
						Y N	
						YN	
-						Y N	
ļ						Y N	
	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	l l	TAL ESTIMATED	
	PUMF	·	AIR LIFT	BAILER OTHER - SPECIFY:	WE	ELL YIELD (gpm):	0.00
20	WELL TEST			CH A COPY OF DATA COLLECTED DURING WELL TES IE, AND A TABLE SHOWING DISCHARGE AND DRAWD			
IEST; KIG SUPERVISION	MISCELLAN	NEOUS IN	FORMATION:				·
2							
<u></u>							
ائما			RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF W	ELL CONSTRU	JCTION OTHER TH	AN LICENSEE
•	Cliff Hillman	n					
VI UKE	RECORD OF	THE ABO	OVE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED THE PERMIT HOLDER WITHIN 30 DAYS AFTER TH	JIRED, HAS BE	EN INSTALLED AN	D THAT THIS
SIGNATURE	_	8L		11/20/21			
و		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
	OGE MITTER	IAT USE			m 40		6
	<u>: OSE INTERN</u> E NO.	NAL USE			<u>'R-20_WELL RI</u> RN NO.	ECORD & LOG (Ven	sion 04/30/2019





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State 1	Engineer Well Number: SB-40			
Well	owner: EOG Resources		Phone No.:	432-848-9146
Mailir	ng address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
II. W	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plu	igged well: Cascad	e Drilling	
2)	New Mexico Well Driller License No.:			xpiration Date: 1/31/23
3)	Well plugging activities were supervise Cliff Hillman	ed by the following v	vell driller(s)/rig supervis	sor(s):
4)	Date well plugging began: 7/26/202	21 D	ate well plugging conclud	_{led:} 7/26/2021
5)	GPS Well Location: Latitude: Longitude:	32 deg, -103 deg,		92 sec 97 sec, WGS 84
6)	Depth of well confirmed at initiation of by the following manner: tag line	f plugging as: 2	0 ft below ground le	vel (bgl),
7)	Static water level measured at initiation	of plugging: No	neft bgl	
8)	Date well plugging plan of operations v	was approved by the	State Engineer:3/24/2	021
9)	Were all plugging activities consistent differences between the approved plugg	with an approved pl ging plan and the we	agging plan? Yes Il as it was plugged (attac	If not, please describe the additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	40	31	Tremie	Boring no water
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_	I	MULTIPLY E	AND OBTAIN		<i>y</i>

	MULTIPLY		BY		AND OBT	AIN
,	cubic feet	х	7.4805	=	gallons	
	cubic yards	Х	201.97	=	gallons	

III. SIGNATURE:

Ī,	Shawn Cain	, say	that	I am	familiar	with	the	rules	of th	ne Off	ice	of the	State
E	ngineer pertaining to the plugging of wells and that ex	ach a	ınd all	of th	e stateme	nts in	this	Plugg	ing F	Record	and	attacl	ments
ar	re true to the best of my knowledge and belief.												

11/20/21

Signature of Well Driller

Date

FILE NO.

LOCATION

PAGE 1 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO). (WELL N	0.)		WELL TAG ID NO.			OSE FILE NO(S)			
NO	POD 42				SB-40A			C-4144				
Ĕ	WELL OWN	ER NAME(S	S)					PHONE (OPTIO	ONAL)			
20	EOG Reso	urces						432-848-914	16			
ĭ	WELL OWN	FR MAIL IN	G ADDRESS					CITY		STATE		ZIP
EL	5509 Chan							Midland		Texas	7	9706
3		<u> </u>										
N	WELL			DEGREES	MINUTES	SECONDS						
F	LOCATIO	N L/	ATITUDE	32	24	12.58	N	* ACCURACY	REQUIRED: ONE TEN	THOF A SECON	D	
ER	(FROM GF	PS)	ONGITUDE	-103	43	20.02	w	* DATUM REC	QUIRED: WGS 84			
GENERAL AND WELL LOCATION	DESCRIPTION			N TO STREET	ADDRESS AND COMMON	LANDMAR	KS - PIS	S (SECTION TO	WNSHIED BANGE WIL	IERE AVAIT ARI	p)	
1. G	I		south of US Hig			LI III LI III K	100	3 (3 L C 11 0 (1, 10	William Walley Will	LKLATHLAD	-Le	
	Aproximu	Cty 10.5	south of OS Ting	1way 02 100	,							
	LICENSE NO).	NAME OF LICES	SED DRILLER					NAME OF WELL DR	ILLING COMPA	NY	
	160	54			Shawn Cain				c	ascade Drillin	9	
	DRILLING S	TARTED	DRILLING END	DEPTH C	OF COMPLETED WELL (FT) В	ORE HO	E DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTER	ED (FT)	
	8/12	/21	8/12//21	ŀ	NA			25		NA		
									STATIC WATER LEV	EL IN COMPLE	TED WE	LL (FT)
М.	COMPLETE	D WELL IS:	ARTESIAN	DR'	Y HOLE SHALLOW	V (UNCONE	INED)			NA		(* · · ,
Õ					D I DOLLAND	S – SPECIF						
IAT	DRILLING F.	LUID:	AIR				<u> </u>					
2. DRILLING & CASING INFORMATION	DRILLING M	IETHOD:	ROTARY	IIA:	MMER CABLE TO	OOL •	OTHE	R - SPECIFY:	F	Roto Sonic		
NEC	DEPTH	(feet bgl)	BORE HO	E CAS	ING MATERIAL AND	OR		61116	CASING	CACING	/ A T F	
C I	FROM	то	DIAM		GRADE			SING ECTION	INSIDE DIAM.	CASING V		SLOT SIZE
SIN			(inches)		lude each casing string, a note sections of screen)		Т	YPE	(inches)	(inches		(inches)
Š					note sections of sereen)	(;	iaa coup	ing diameter)				
એ												
ž										<u> </u>		
E												
DA			_									
7												
	рерти	(feet bgl)	DODE !!	_	LIST ANNULAR SEA	AI MATE	DIAT :	NID	AMOUNT			
-7			BORE HOI DIAM. (incl		GRAVEL PACK SIZE-I				(cubic feet)		IETHOI LACEM	
RIA	FROM	TO 25		,				TO THE				
TE	0	23	6		Cement with	5% Bentoi	nite		5.5	- 11	emie Pu	mped
WA												
AR											_	
Į,												
ANNULAR MATERIAL												
3.												
FOP	OSE INTER	MALIE	=					WD 20	WELL RECORD	e LOG (Var-!	n 04/20	/10)
LOW	COL INTER	1444 CO	_					¥¥ IX -∠(・ バレレレ べだくひべひ (* FOO LACISI	ルロ ひやころし	E 1 7 J

POD NO.

TRN NO.

PAGE 2 OF 2

WELL TAG ID NO.

Released to Imaging: 5/2/2022 3:37:29 PM

LOCATION

	DEPTH (f	eet bgl)		COLOR AN	ID TYPE OF MATERIAL I	NCOUN	TERED -	11/A	TER	ESTIMATED
	FROM	то	THICKNESS (feet)	INCLUDE WAT	ER-BEARING CAVITIES Coplemental sheets to fully d	OR FRAC	TURE ZONES	BEAL	RING? / NO)	YIELD FOR WATER- BEARING ZONES (gpm)
	0 6 6 Fine Silty Sand Brown 6 10 4 Caliche						Y	✓ N		
	6	10	4		Caliche			Y	✓ N	
	10	20	10		Fine silty sand			Y	∨ N	
	20	25	5		Medium Sandstone Bro	wn		Y	∨ N	
								Y	N	
1								Y	N	
HYDROGEOLOGIC LOG OF WELL	111						-	Y	N	
OF								Y	N	
000								Y	N	
:ICI								Y	N	-
LOC								Y	N	
SEO								Y	N	
ROC								Y	N	
HYD								Y	N	
4,								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARIN	G STRATA:		Т	OTAL ESTIN	/ATED	
	PUMP	^	IR LIFT	BAILER O	THER - SPECIFY:			VELL YIELD	(gpm)	0.00
N	WELL TEST				TA COLLECTED DURING HOWING DISCHARGE AN					
RVISION	MISCELLAN	IEOUS INI	FORMATION: Sto	en out horing						
SUPER			5.0	op our coring						
TEST; RIG										
TES	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPERV	ISION OI	F WELL CONST	RUCTION O	THER TH	IAN LICENSEE:
, s	Cliff Hillmar	n		_						
TURE	RECORD OF	THE ABO	VE DESCRIBED	WELL, I ALSO CERT	F MY KNOWLEDGE AN IFY THAT THE WELL TA IOLDER WITHIN 30 DAY	G, IF RE	QUIRED, HAS I	BEEN INSTA	LLED AN	ND THAT THIS
6. SIGNATURE		St	1		Shawn Cain	_		11/:	20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FOF	OSE INTERN	AL USE					WR-20 WELL	RECORD &	LOG (Ver	rsion 04/30/2019)
FIL	E NO.			·	POD NO.		TRN NO.			





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State I	Engineer Well Number: SB-40A			200
Well o	owner: EOG Resources		Phone No.:	432-848-9146
Mailin	ng address: 5509 Champions Drive		<u> </u>	
City:	Midland	State:	Texas	Zip code: 79706
<u>II. W</u>	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plu	gged well: Cascad	e Drilling	
2)	New Mexico Well Driller License No.:			xpiration Date: 1/31/23
3)	Well plugging activities were supervised Cliff Hillman	d by the following v	vell driller(s)/rig supervi	sor(s):
4)	Date well plugging began: 8/12/202	1 Da	ate well plugging conclud	ded: 8/12/2021
5)	GPS Well Location: Latitude: Longitude: _			.58 sec .02 sec, WGS 84
6)	Depth of well confirmed at initiation of by the following manner: tag line	plugging as: 2	ft below ground le	vel (bgl),
7)	Static water level measured at initiation	of plugging: No	ne ft bgl	
8)	Date well plugging plan of operations w	as approved by the	State Engineer: 3/24/2	2021
9)	Were all plugging activities consistent v differences between the approved plugg			

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	45	38	Tremie	Boring no water
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		MULTIPLY E	BY AND OBTAIN		

cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

11/20/21

Date



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO.	(WELL NO.)		WELL TAG ID NO).		OSE FILE NO(S).			
N	POD 43				SB-41			C-4144				
Ĕ	WELL OWNE	R NAME(S)						PHONE (OPTI	ONAL)			
Š	EOG Resou	ırces						432-848-914	16			
7	WELL OWNE	D MAILING	ADDRESS					CITY		STATE		ZIP
II:	5509 Cham							Midland		Texas	79	9706
AND WELL LOCATION										1 47100		
8	WELL		Di	GREES	MINUTES	SECONE						
LA	LOCATION	LAT	TTUDE	32	24	13.9	8 N	* ACCURACY	REQUIRED: ONE TEN	THOF A SECO	OND	
₹.	(FROM GPS	S) 1.03	GITUDE	-103	43	19.0	7 w	* DATUM REG	QUIRED: WGS 84			
GENERAL					Udd . UD OOL II IO		BUG BLG	a anomoni mo	unicilia na salah nu	niesi		
	ľ		G WELL LOCATION TO		ESS AND COMMO	N LANDMA	KKS – PLS	5 (SECTION, TO	WNSIDIP KANGE) WI	IERE AVAILAI	BLE	
-	Aproximate	iy 10.5 so	outh of US Highway	y 02/18U								
	LICENSE NO.		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING COMP	PANY	
	166				Shawn Cain				1	ascade Drilli		
	DRILLING ST	ABTUD	DRILLING ENDED	DEBTH OF CO	MPLETED WELL (F	T)	SUBE HUI	.E DEPTH (FT)	DEPTH WATER FIR	CT ENCOUNT	EDED (PT)	
	7/2/2		7/2/21	DEFINORCO	NA	''	BOKE HOL	15	DEFIN WATER FIR	NA	EKED (F1)	
											dede and	
	COMPLETED	WELL IS:	ARTESIAN	DRY HOL	E SIIALLO	OW (UNCON	FINED)		STATIC WATER LEV	VEL IN COMPL NA	LETED WEI	.L (FT)
N			Land									
Ĕ	DRILLING FL	.UID:	☐ AIR	☐ MUD	ADDITIV	VES - SPECI	FY:					
DRILLING FLUID: DRILLING METHOD: DEPTH (feet bgl) FROM TO DIAM (inches) AIR MUD ADDITIVES CABLE TOO GRADE (include each casing string, an note sections of screen)					TOOL	OTHE	R - SPECIFY	1	Roto Sonic			
Z.	DEPTH (feet bgl)	BORE HOLE	CASING	MATERIAL ANI	D/OR	^.	ania	CASING	CASING	WAT I	
Ç	FROM	то	DIAM	100	GRADE			SING VECTION	INSIDE DIAM	CASING THICK		SLOT SIZE
SIS			(inches)		ach casing string sections of screen	. 1	τ	YPE	(inches)	(inch		(inches)
				note s	ections of scient	,	(add coupi	ing diameter)				
2. DRILLING &	-		:									
Ž												
1												
DR												
2.												
	DEPTIL	(C+1 1)	T	<u> </u>								
ے	DEPTH (BORE HOLE DIAM. (inches)	1	ST ANNULAR S				AMOUNT		METHOI PLACEM	
₹	FROM	TO	- 29	GRA	VEL PACK SIZE	51755	232	KVAL	(cubic feet)	i	5.3	
邕	0	15	6		Cement wit	th 5% Bent	onite		3.5		Tremie Pu	mped
Ψ¥												
8												
ULA												
ANNULAR MATERIAL												
3. A												
,												
				L				<u> </u>	l			

FILE NO.

LOCATION

PAGE 2 OF 2

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0	DEPTH (f	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONI (attach supplemental sheets to fully describe all units)	S BEA	ATER ARING? S/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	15	15	Fine Silty Sand Brown	Y	✓ N	
					Y	✓ N	
					Y	✓ N	
					Y	∨ N	
					Y	N	
크					Y	N	
WE					Y	N	
0.5					Y	N	
007					Y	N	
CIC					Y	N	
070					Y	N	
HYDROGEOLOGIC LOG OF WELL					Y	N	
DRC					Y	N	
£					Y	N	
1					Y	N	
.					Y	N	
					Y	N	
					Y	N	
					Y	N N	
					Y	N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL EST		<u> </u>
	ПРИМР		_	BAILER OTHER - SPECIFY:	WELL YIEL		0.00
		^	ik cirt	BAILER DITTOR SPECIFT.	<u> </u>		
NOI	WELL TEST			CH A COPY OF DATA COLLECTED DURING WELL TESTING, IN IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV			
VISI	MISCELLAN	VEOUS IN	FORMATION:		1:00		
PER							
TEST; RIG SUPERVIS							
<u> </u>							
EST	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	ISTRUCTION (OTHER TH	IAN LICENSEE:
	Cliff Hillman			•			
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FO WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HA WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMP	AS BEEN INST	ALLED AN	ND THAT THIS
6. SIGNA		BL	C:	Shawn Cain	L 1.	/20/21	
		SIGNAT	URE OF DRILLER	R / PRINT SIGNEE NAME		DATE	
EOB	OSE INTERN	JAI 118E		WD 20 W	II DECORD 4	.100.01	rsion 04/30/2019)

POD NO.

TRN NO.





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:				
State Engineer Well Number: SB-41				
Well owner: EOG Resources		Phone	No.: 432-848-91	46
Mailing address: 5509 Champions Drive				
City: Midland	State:	Texas	Zip	code: 79706
			<u>-</u>	
II. WELL PLUGGING INFORMATION:				
Name of well drilling company that plugg	ged well: Case	cade Drilling		
2) New Mexico Well Driller License No.: 1	664		Expiration Da	te: 1/31/23
3) Well plugging activities were supervised to Cliff Hillman	by the followir	ng well driller(s)/rig su	pervisor(s):	
4) Date well plugging began: 7/2/2021		Date well plugging co	oncluded: 7/2/20)21
5) GPS Well Location: Latitude: Longitude:	32 de -103 de	g, <u>24</u> min, g, <u>43</u> min, g	13.98 sec 19.07 sec, V	VGS 84
6) Depth of well confirmed at initiation of pl by the following manner: tag line	ugging as:	15 ft below grou	and level (bgl),	
7) Static water level measured at initiation of	f plugging:	None ft bgl		
8) Date well plugging plan of operations was	s approved by	the State Engineer:	3/24/2021	
9) Were all plugging activities consistent wit differences between the approved pluggin				

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	30	23	Tremie	Boring no water
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MULTIPLY		BY		AND OBTAIN
cubic feet	X	7.4805	=	gallons
cubic yards	×	201.97	=	gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I, Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

11/20/21

Date

FILE NO.

LOCATION

PAGE 1 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

NO	OSE POD NO	WELL NO	.)	WELL TAG ID NO.			OSE FILE NO(S).						
	POD 44 SB-42						C-4144						
Ē	WELL OWNER NAME(S)						PHONE (OPTIONAL)						
GENERAL AND WELL LOCATION	EOG Resources							432-848-9146					
	WELL OWNER MAILING ADDRESS							CITY STATE ZIP					
	5509 Cham									79706			
			_	. 10.00									
	WELL		DEGREES MINUTES SECONDS 32 24 14.79										
	FOCVLIO	N LAT	TITUDE	32	24 14.79 _N		/9 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND					
	(FROM GPS)		-103 43 18.64			64 W	* DATUM REQUIRED: WGS 84						
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIJIP, RANGE) WHERE AVAILABLE												
1.6	I		outh of US Highwa		LESS MIND COMMO	· Calledin	/11KG _ 1 ES		WOOD (WOOD) WII	ENDITYMENDED			
	I iproximite	10.5 50		, 02 100									
	LICENSE NO. NAME OF LICENSED I			DRILLER				NAME OF WELL DRILLING COMPANY					
	1664		Shawn Cain					Cascade Drilling					
	DRILLING STARTED		DRILLING ENDED	DEPTH OF COMPLETED WELL (FT) BORE II			BORE HO	LE DEPTH (FT)	DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT)				
	7/27	7/21	7/27/21	NA				15	NA NA				
			*****						STATIC WATER LEVEL IN COMPLETED WELL (F				
	COMPLETE	WELL IS:	ARTESIAN	DRY HOL	DRY HOLE SHALLOW (UNCONFINED)				NA NA				
<u>S</u>													
AT	DRILLING FLUID: AIR		I MUD	MUD ADDITIVES - SPECIFY:									
CASING INFORMATION	DRILLING METHOD ROTARY			☐ HAMMER ☐ CABLE TOOL ☑ OTHE			R - SPECIFY: Roto Sonic						
N S	DEPTH	(feet bgl)	BORE HOLE	CASING MATERIAL AND/OR				CASING	OLGINIO WILLI	T			
CII	FROM TO		DIAM	GRADE			CASING CONNECTION		INSIDE DIAM.	CASING WALL THICKNESS	SLOT		
Ž			(inches)	(include each easing string, and note sections of screen)			Т	YPE	(inches)	(inches)	(inches)		
Š			1	note :	sections of screen	,	(add coup	ling diameter)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
≪3			<u> </u>										
DRILLING													
17													
DR													
7													
_	DEDTI	(foot hall)	<u> </u>	·					.,		-		
ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	- · · ·					AMOUNT METHO (cubic feet) PLACEI				
		FROM TO											
	0	15	6	Cement with 5% Bentonite			3.5	Tremie F	umped				
A R								<u>.</u>					
J.													
Z													
3. A													
	0000000		-					24.44	0 11101 / 2222		20/20:		
FOR	OSE INTER	NAL USE						WR-26	0 WELL RECORD &	& LOG (Version 04).	30/191		

POD NO.

TRN NO.

LOCATION

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placed to Imaging	casea to Imagnis.

PAGE 2 OF 2

	DEPTH (feet bgl)	TUUOVAITAG	COLOR A	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)			W	ATER	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	то	THICKNESS (fect)					BEA	RING? S/NO)	
	0	8	8		Fine Silty Sand Bro	own		Y	∨ N	
	8 10 2			36	Caliche			Y	∨ N	
	10	15 5 Medium Sandstone Brown				Y	V N			
								Y	N	
								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
								Y	N	
00								Y	N	
Ŏ								Y	N	
OIC								Y	N	
010					·			Y	N	
OGE								Y	N	
DE .								Y	N	
€								Y	N	:
•								Y	N	
								Y	N	
								Y	N	
							 -	Y	N	
								Y	N	
			:					Y	N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:								N	
	<u></u>						WELL YIEL		0.00	
	PUMP AI		IR LIFT	BAILER O	THER - SPECIFY:					
NOISI	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION:									
TEST; RIG SUPERVISION										
rest	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:									
انت	Cliff Hillman									
SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL, I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.									
e. SIGN	ShC			Shawn Cain			11/20/21			
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME							DATE		
FOR	OSE INTERI	NAL USF	-,				WR-20 WELL	RECORD #	LOGIVA	sion 04/30/2019
	E NO.				POD NO.		TRN NO.	TILLOND O	. 200 (101	31011 07/30/2019





NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	Engineer Well Number: SB-42			420 040 0440		
Well	owner: EOG Resources	Phone No.: 432-848-9146				
Maili	ng address: 5509 Champions Drive					
City:	Midland	State:	Texas	Zip code: 79706		
II. W	VELL PLUGGING INFORMATION:					
1)	Name of well drilling company that plu	igged well: Cascade	Drilling			
2)	New Mexico Well Driller License No.:	1664	E	Expiration Date: 1/31/23		
3)	Well plugging activities were supervise Cliff Hillman	ed by the following w	ell driller(s)/rig superv	isor(s):		
4)	Date well plugging began: 7/27/202	21 Dat	e well plugging conclu	ded: 7/27/2021		
5)	GPS Well Location: Latitude:Longitude:	32 deg,	24 min, 14 43 min, 18	8.79 sec 8.64 sec, WGS 84		
6)	Depth of well confirmed at initiation of by the following manner: tag line	f plugging as:15	ft below ground le	evel (bgl),		
7)	Static water level measured at initiation	of plugging: Nor	e ft bgl			
8)	Date well plugging plan of operations	was approved by the S	State Engineer: 3/24/	2021		
9)	Were all plugging activities consistent differences between the approved plug					

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Neat Cement	30	23	Tremie	Boring no water
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	'	MULTIPLY B	AND OBTAIN	'	

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

I,	Shawn Cain ,	say	that I	am	familiar	with	the	rules	of the	Office	of the	he S	State
Eı	ngineer pertaining to the plugging of wells and that ea	ich ai	nd all c	of the	stateme	nts in	this	Plugg	ing Re	cord and	atta	chm	ients
ar	e true to the best of my knowledge and belief.								-				

Signature of Well Driller Date

FILE NO.

LOCATION

PAGE I OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO). (WELL NO).)		WELL TAG ID NO).		OSE FILE NO	(S).			
Ö	POD 45				SB-43			C-4144				
Ę	WELL OWN	ER NAME(S)					PHONE (OPTI	ONAL)			
9	EOG Reso	urces						432-848-914	46			
LL	WELL OWN	ER MAILING	G ADDRESS	 -				CITY		STATE	ZIP	
EL	5509 Chan	npions Dr	ive					Midland		Texas	79706	
M												
A	WELL		D	EGREES 32	MINUTES 24	SECON 8.9						
AL	LOCATIO		TITUDE				И		REQUIRED: ONE TEN	ITII OF A SECOND		
1. GENERAL AND WELL LOCATION	(FROM GF	PS) LO	NGITUDE	-103	43	21.5	50 W	* DATUM REG	QUIRED: WGS 84			
20	DESCRIPTION	ON RELATI	NG WELL LOCATION TO	STREET ADDR	ESS AND COMMO	N LANDMA	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	JERE AVAILABLE		
7			outh of US Highwa									
								-				
	LICENSE NO		NAME OF LICENSEE	DRILLER	~				NAME OF WELL DR			
	166	54			Shawn Cain				· ·	Cascade Drilling		
	DRILLING S		DRILLING ENDED	DEPTH OF CO	MPLETED WELL (F	T)		LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (FI	Γ)	
	8/6/	21	8/6/21		NA			55		NA		
				_	994				STATIC WATER LE	VEL IN COMPLETED W	ELL (FT)	
Z	COMPLETE	D WELL IS:	ARTESIAN	DRY HOL	E SHALLO	W (UNCO	NFINED)		NA			
) I	DRILLING FI	LUID:	AIR	MUD	ADDITIV	ES - SPEC	IFY:	·				
MA	DRILLING M	IETUOD:	ROTARY	HAMMER	CABLE T		C OTHER	R SPECIFY:		Roto Sonic		
CASING INFORMATION			KOTAKT		्रवे जा त		U OTHER	N SPECIFI.		XOIO SOME		
	DEPTH	DEPTH (feet bgl) BORE HOLE		CASING	MATERIAL AND	O/OR	CA	SING	CASING	CASING WALL	SLOT	
NG	FROM	то	DIAM	(include o	GRADE ach casing string,	and	CONNECTION INSIDE			THICKNESS	SIZE	
ASI			(inches)		ections of screen)			YPE ing diameter)	(inches)	(inches)	(inches)	
& C												
DRILLING											+	
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اد	DEPTH (BORE HOLE DIAM. (inches)	1	T ANNULAR SI				AMOUNT	METHO		
₹	FROM	ТО		GKA	VEL PACK SIZE			RVAL	(cubic feet)	PLACE	MENI	
<u> </u>	0 55 6				Centent with	n 5% Bent	onite		12	Tremie P	umped	
MA												
ANNULAR MATERIAL												
 												
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EOD	OSE INTERI	NAL UCE							WELL BECORD		Sp. 5	

POD NO.

TRN NO.

WELL TAG ID NO.

LOCATION

PAGE 2 OF 2

WELL TAG ID NO.

										
	DEPTH (fcet bgl) TO	THICKNESS (feet)	INCLUD	E WATER-BEARIN	F MATERIAL ENCOUNG CAVITIES OR FRA	CTURE ZONE	S	WATER BEARING? (YES/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	15	15	-	Fine S	Silty Sand Brown			YVN	201130 (85111)
	15	20	5			Fat Clay			YVN	
	20	25	5		Fine :	silty sand Brown			Y VN	
	25	35	10			dium Sanstone			Y VN	
	35	45	10		•	Fat Clay			Y VN	
	45	55	10		Cla	yey sandstone			YVN	
WEL									Y N	<u> </u>
4. HYDROGEOLOGIC LOG OF WELL									YN	
500									Y N	
101							-		Y N	
507									Y N	
EO									Y N	
ROC									Y N	
HYD									Y N	
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									Y N	
									Y N	
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-B	BEARING STRATA		T	TOT	AL ESTIMATED	
	☐ PUMI	P AI	R LIFT	BAILER	OTHER - SPE	CIFY:		WEL	LL YIELD (gpm):	0.00
-	WELL TES	TEST I	RESULTS - ATT/	ACH A COPY	OF DATA COLLEC	TED DURING WELL	TESTING, INC	LUDI	NG DISCHARGE N	иетнор,
SIO				ME, AND A TA	ABLE SHOWING D	ISCHARGE AND DRA	WDOWN OVE	R TH	E TESTING PERIO	D.
TEST; RIG SUPERVISION	MISCELLAI	NEOUS INF	ORMATION:							
LESJ	PRINT NAM	IE(S) OF DE	ILL RIG SUPER	VISOR(S) TH	AT PROVIDED ON	SITE SUPERVISION O	F WELL CONS	STRU	CTION OTHER TH	AN LICENSEE:
80	Cliff Hillma									
SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AN RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLI									
		BI	LC:		Shawn Cai	n			11/20/21	
6.		SIGNATU	JRE OF DRILLE	R / PRINT S	IGNEE NAME				DATE	
	Opp Dimen	141 1102			<u> </u>					
	R OSE INTERN F NO	NAL USE			POD NO		WR-20 WEL	L REC	CORD & LOG (Ven	sion 04/30/2019)



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Well	owner: EOG Resources					Phone	No.: 432	2-848-9146	
Mailir	ng address: 5509 Champio	ons Drive							
City:	Midland		State:		7	Гехаѕ		79706	
II. W)	YELL PLUGGING INFO Name of well drilling or		ged well:	Cascade I	Orilling				
2)	New Mexico Well Drill						Expira	ation Date:	1/31/23
3)	Well plugging activities Cliff Hillman	s were supervised	by the foll	owing we	ll driller	(s)/rig su	pervisor(s	s):	
1)	Date well plugging beg	an: 8/6/2021		Date	well pl	ugging co	oncluded:	8/6/2021	
5)	GPS Well Location:	Latitude: Longitude:	32 -103	deg, deg,	24 43	min, . min, .	8.90 21.50	sec sec, WGS	84
5)	Depth of well confirmed by the following manner		olugging as	55	ft be	elow grou	nd level (bgl),	
7)	Static water level measu	ured at initiation	of plugging	: None	ft bg	gl			
3)	Date well plugging plan	of operations wa	as approved	by the St	ate Eng	ineer: _3	3/24/2021	_	
))	Were all plugging activ differences between the						Yes (attach a		olease describ es as needed):
	-		_						

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)				
	Neat Cement	100	85	Tremie	Boring no water				
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		MULTIPLY E	BY AND OBTAIN						
		cubic feet x 7.4	805 = gallons						

gallons 201.97

III. SIGNATURE:

Received by OCD: 2/28/2022 3:08:14 PM

 $_{\mathrm{I}_{\star}}$ Shawn Cain , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

11/20/21

Signature of Well Driller

Date

FILE NO.

LOCATION

PAGE 1 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

- 22	OSE POD NO). (WELL	NO.)			WELL TAG ID NO.			OSE FILE NO(S).	<u> </u>			
NO	POD 46					SB-44			C-4144					
ATI	WELL OWN		E(S)		,				PHONE (OPTI-					
OC	EOG Reso	urces							432-848-914	16				
17	WELL OWN	ER MAIL	ING ADDRESS						CITY		STATE	ZIP		
VEL	5509 Chan	npions I	Drive						Midland		Texas	79706		
2		1		DE	GREES	MINUTES	SECO	IDC	<u> </u>					
Z	WELL			DC	32	24	7.7	10	A ACCUBACY	BEOLUBED, OVE TEN	THOS I SUSOND			
. ₹	LOCATIO	· _'	LATITUDE					N		REQUIRED: ONE TEN	III OF A SECOND			
GENERAL AND WELL LOCATION	(FROM GI	rs)	LONGITUDE		-103	43	21.	53 W	* DATUM KEU	QUIRED: WGS 84				
GE	DESCRIPTI	ON RELA	TING WELL LOCA	TION TO	STREET ADDR	ESS AND COMMON	LANDM	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WI	IERE AVAILABLE			
÷	Aproximat	ely 10.5	south of US H	ighway	62/180									
	<u> </u>													
	LICENSE NO		NAME OF LIC	CENSED	DRILLER	Shawn Cain				NAME OF WELL DR				
						Snawn Cain				٠	ascade Drilling			
	DRILLING S		DRILLING EN		DEPTH OF CO	MPLETED WELL (FT)		E DEPTII (FT)	DEPTH WATER FIR	ST ENCOUNTERED (F	D .		
	8/6/	21	8/6/21			NA			30		NA			
	001101171								STATIC WATER LEVEL IN COMPLETED WELL (FT)					
Z	COMPLETE	D WELL I	S: ARTESI	AN	DRY HOL	E SHALLOV	V (UNCO	NFINED)		NA				
Tio	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY						CIFY							
MA	DRILLING M	(ETHOD:	ROTARY	,	IIAMMER	CABLE TO	100	Готив	R = SPECIFY:		Roto Sonic			
CASING INFORMATION					I IIAMAIEK	CABLE TO	,	(OTHE	X - SPECIFI.		COLO SOILIC			
	DEPTH	(fect bgl) BORE H	OLE	CASING	MATERIAL AND	OR	CA	SING	CASING	CASING WALL	SLOT		
SG	FROM TO		DIA	М	(include o	GRADE ach casing string, a	and	CONN	IECTION	INSIDE DIAM.	THICKNESS	SIZE		
ASI			(inche	es)	note s	ections of screen)			YPE ing diameter)	(inches)	(inches)	(inches)		
S &														
Š														
DRILLING														
KII								_			<u></u>			
2. D														
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	DEPTH	(feet bgl	1			T ANNULAR SE				AMOUNT	метно	I		
IAL	FROM	то	DIAM. (it	nches)	GRA'	VEL PACK SIZE-I	RANGE	BY INTE	RVAL	(cubic feet)	PLACE	MENT		
ER	0	30	6			Cement with	5% Ben	tonite		6.5	Tremie F	umped		
1AT														
A I														
)LA														
ANNULAR MATERIAL							_							
3. Aľ											-			
177														
							_	_						
FOR	OSE INTER	NAL US	E						WR-20	WELL RECORD	k LOG (Version 04/	30/19)		

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

WELL TAG ID NO.

	DEPTH (feet bgl)	THICKNESS (feet)	INCLUDE WAT	ND TYPE OF MATERI ER-BEARING CAVITI pplemental sheets to fi	ES OR FRA	CTURE ZONES	BEAI	TER RING? / NO)	ESTIMATED YIELD FOR WATER- BEARING
				(according				(1.55		ZONES (gpm)
	0	4	4		Fine Silty Sand E	Brown		Y	✓ N	
	4	. 8	4		Caliche			Y	V N	
	8	20	12		Fine silty sand B	rown	_	Y	✓ N	
	20	25	5		Fat Clay			Y	✓ N	
	25	30	5		Medium sandst	one		Y	✓ N	
CLL								Y	N	
WE									N	
000									N	
Š									N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
010								Y	N	
Š								Y	N	
DRO								Y	N	
HY.							_	Y	N	
4								Y	N	
		,,,						Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD U	SED TO ES	STIMATE YIELD	OF WATER-BEARIN	G STRATA:		TC	TAL ESTIN	1ATED	ē.
	PUMP	A	IR LIFT	BAILER O	THER - SPECIFY:		w	ELL YIELD	(gpm):	0.00
Z.	WELL TEST	TEST STAR	RESULTS - ATT/ T TIME, END TIM	ACH A COPY OF DA ME. AND A TABLE SI	TA COLLECTED DUR HOWING DISCHARGI	ING WELL E AND DRA	TESTING, INCLUI	DING DISC HE TESTIN	HARGE N	METHOD, DD.
VISION	MISCELLAN	VEOUS IN	ORMATION:	100						
TEST; RIG SUPERVI										
ST: I				<u> </u>			<u> </u>			<u> </u>
5. TE	PRINT NAM Cliff Hillman		RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE SUPE	ERVISION C	F WELL CONSTR	UCTION O	THER TH	AN LICENSEE
SIGNATURE	RECORD OF	THE ABO	VE DESCRIBED	WELL, I ALSO CERT	F MY KNOWLEDGE IFY THAT THE WELI HOLDER WITHIN 30 D	TAG, IF R	EOUIRED, HAS BI	EEN INSTA	LLED AN	D THAT THIS
6. SIGN		BI	LC		Shawn Cain			11/2	20/21	
		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FOR	OSE INTERN	IAL USE					WR-20 WELL R	ECORD &	LOG (Ver	sion 04/30/2019
	E NO.			-	POD NO.		TRN NO.			
LOC	CATION					WELL	TAG ID NO.			PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

Well	owner: EOG Resources		Phone No.:	432-848-9146
Maili	ng address: 5509 Champions Drive			
City:	Midland	State:	Texas	Zip code: 79706
<u>I. V</u>	VELL PLUGGING INFORMATION:	Canada	to Dellina	
)	Name of well drilling company that plu	igged well: Cascac	ie Drilling	
)	New Mexico Well Driller License No.:	1664	E	xpiration Date: 1/31/23
)	Well plugging activities were supervise Cliff Hillman	ed by the following	well driller(s)/rig supervi	sor(s):
)	Date well plugging began: 8/6/2021	D	ate well plugging conclu	ded: 8/6/2021
)	GPS Well Location: Latitude:Longitude: _	32 deg, -103 deg,		79 sec 53 sec, WGS 84
)	Depth of well confirmed at initiation of by the following manner: tag line	f plugging as:3	ft below ground le	vel (bgl),
)	Static water level measured at initiation	of plugging: No	one ft bgl	
)	Date well plugging plan of operations v	was approved by the	State Engineer: 3/24/2	021
)	Were all plugging activities consistent differences between the approved plugg	with an approved pl ging plan and the we	ugging plan? Yes ell as it was plugged (atta	

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other) Comments ("casing perforated first", "open annular space also plugged", etc.)						
	Neat Cement	55	46	Tremie	Boring no water					
_										
		2								
_										
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\dashv										
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٦										
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· –										
7										
7										
٦										
		MULTIPLY E	Y AND OBTAIN							

MULTIPLY		BY		AND OBTAIN
cubic feet	Х	7.4805	=	gallons
cubic yards	х	201.97	=	gallons

III. SIGNATURE:

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I,	Shawn Cain			, say	that I	am	familiar	with	the	rules	of the	Office	of t	he :	State
Eı	ngineer pertaining to the	plugging of v	wells and the												
	e true to the best of my ki										-				

11/20/21

Signature of Well Driller

Date

Appendix D NMSOE Well Permits and BLM Sundry



STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER District 2 Office, Roswell, NM

John R. D'Antonio Jr., P.E. State Engineer

1900 West Second Street Roswell, New Mexico 88201 (575) 622-6521 FAX: (575) 623-8559

March 24, 2021

EOG Resources c/o GHD Services 5509 Champions Dr Albuquerque, NM 79706

RE:

Well Plugging Plan of Operations for C-4144-POD13/POD46

Greetings:

Enclosed is your copy of Well Plugging Plan of Operations for the above referenced project, which has been approved subject to the attached Specific Conditions of Approval. The following conditions of approval have been developed to ensure compliance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 13, 2017, by the State Engineer.

Aggrieval of this permit, or any of the conditions of approval therein, suspends the permit. No plugging operations shall occur while a permit is aggrieved.

Sincerely,

Claudia K. Guillen Engineering Tech III

Water Resources Allocation Program

encl

Specific Conditions of Approval for C-4144-POD13-POD456

- If groundwater is <u>not</u> encountered the borehole can be filled with drill cuttings or clean native fill up to 10 feet below ground surface. From 10 feet below ground surface to ground surface the borehole will be filled with bentonite. Bentonite chips shall be hydrated with 5 gallons of water per 50 pound sack.
- 2) The cement-bentonite slurry (bentonite powder) shall be mixed using a maximum of 5.2 gallons water per 94-lb sack Type II portland cement PLUS 0.65 gallons per 1% increase in bentonite up to a maximum 6% bentonite by dry weight ratio. Bentonite must be hydrated separately and then mixed.
 - a) Grout shall be tremied from the bottom up.
- A completed Plugging Record form shall be submitted no later than 30 days after completion of the plugging.
- 4) Before any attempts are made to plug this well, the O.S.E. District II Office shall be notified 48 hours in advance of the anticipated schedule for plugging, so that an O.S.E. representative has the opportunity to witness the procedures, if deemed necessary.
- 5) Any deviation from this plan <u>must</u> obtain an approved variance from this office prior to implementation.
- 6) Aggrieval of this permit, or any of the conditions of approval therein, suspends the permit. No plugging operations shall occur while a permit is aggrieved.

Witness my hand and seal this 3 44 day of March A.D., 2021

John R. D'Antonio Jr., P.E., State Engineer

By: Claudia K. Quillen Engineering Tech III



6)



WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

1. FILING FEE: There is no filing fee for this form. Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m II. GENERAL / WELL OWNERSHIP: Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: SB-12 Name of well owner: EOG Resources address: 5509 Champions Drive County: City: Midland Zip code 79706 Texas State: Phone number: 432-848-9146 E-mail: James_kennedy@eogresources.com III. WELL DRILLER INFORMATION: Well Driller contracted to provide plugging services: White Drilling Company, Inc. New Mexico Well Driller License No.: WD-1456 Expiration Date: 09-30-2022 IV. WELL INFORMATION: Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section. Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan. 1) GPS Well Location: Latitude: min. Longitude: 2) Reason(s) for plugging well(s); These are soil borings are not going to be wells. The plugging plans are for in case we encounter groundwater. 3) Was well used for any type of monitoring program? no If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging. 4) Does the well tap brackish, saline, or otherwise poor quality water? <u>unknown</u> If yes, provide additional detail, including analytical results and/or laboratory report(s): Static water level: 5) feet below land surface / feet above land surface (circle one)

unknown

feet

Depth of the well:

7)	Inside diameter of innermost casing: 4-3/8' inches.
8)	Casing material: n/a
9)	The well was constructed with: an open-hole production interval, state the open interval: a well screen or perforated pipe, state the screened interval(s):
10)	What annular interval surrounding the artesian casing of this well is cement-grouted?
11)	Was the well built with surface casing?If yes, is the annulus surrounding the surface casing grouted or
	otherwise sealed? If yes, please describe:
12)	Has all pumping equipment and associated piping been removed from the well?If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.
V. DE	SCRIPTION OF PLANNED WELL PLUGGING: [1] If plugging method differs between multiple wells on same site, a separate form must be completed for each method.
Note: If diagram	this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such ysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.
	his planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.
1)	Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology
	proposed for the well:
	Trimie grout from bottom up.
2)	Will well head be cut-off below land surface after plugging?
VI. PL	UGGING AND SEALING MATERIALS:
Note: Ti from the	ne plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved scalants.
1)	For plugging intervals that employ cement grout, complete and attach Table A.
2)	For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
3)	Theoretical volume of grout required to plug the well to land surface: 146 Gallons or 19.63 cf
4)	Type of Cement proposed: Portland Cement w/5% Bentonite Grout - Type II
5)	Proposed cement grout mix: 6 gallons of water per 94 pound sack of Portland cement.
6)	Will the grout be:batch-mixed and delivered to the siteX mixed on site

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TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	0 feet		
Bottom of proposed interval of grout placement (ft bgl)	100 feet		
Theoretical volume of grout required per interval (gallons)	146 Gallons		
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	6 Gallons of Water		
Mixed on-site or batch- mixed and delivered?	On-Site		
Grout additive 1 requested	5% Bentonite Grout		
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgi)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			







ATTACHMENT to WD-08 Plan of Plugging MULTIPLE MONITORING WELL DESCRIPTIONS

This Attachment is to be completed if more than one (1) monitoring well is to be plugged using the same method.

Location (Red	quired):				-				
■ NM State Plane (NAD83) (Feet) □ NM West Zone □ NM Central Zone ■ NM East Zone		UTM (NADA	3N	■ Lat/Long (WGS (1/10 th of second)	descrip	R (allowable obtions - see a SS (quarters, drographic Sit, Block & Sulant	pplication form section, town urvey, Map &	n for forma iship, rang	
OSE POD Number: - 4144	Other Well ID:	X or Longitude (ddmmss):	Y or Latitude (ddmmss):	Other Location Info (PLSS):	Casing ID- (inches):	Depth to Water- (ft bgs):	Total well Depth- (ft bgs):	Grout Volume:	Surface Casing (Y or N))
POD 15	SB-13	-103°43'20.96"E	32°24'09.07"!	N			105-	14690	
11 14	SB-14	-103°43'21.85"E	32°24'08.65"1	٧				1	
0 17	SB-15	-103°43'21.79"E	32°24'08.09"1	N					-
11 (8	SB-16	-103°43'20.99"E	32°24'08.03"h	N					
11 19	SB-17	-103°43'20.64"E	32°24'08.04"N	٧					
11 20	SB-18	-103°43'21.20"E	32°24'13.89"N	N					
, 21	SB-19	-103°43'20.43"E	32°24'13.69"N	١					
, 22	SB-20	-103°43'21.14"E	32°24'13.25"N	١					
,, 23	SB-21	-103°43'20.80"E	32°24'13.25"N	1					
,, 24	SB-22	-103°43'19.89"E	32°24'13.57"N	1					
,, 25	SB-23	-103°43'18.14"E	32°24'15.26"N	1					
11 24	SB-24	-103°43'18.21"E	32°24'14.62"N	1			J	√	

FOR OSE INTERNAL USE	Multiple Montioring	POD Description	ons, Formwr-08m (Rev 7/31/19)
File Number: (- 4)	14	Trn Number:	490620
Trans Description (optional):	Pla Pl	an	









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ATTACHMENT to WD-08 Plan of Plugging MULTIPLE MONITORING WELL DESCRIPTIONS

This Attachment is to be completed if more than one (1) monitoring well is to be plugged using the same method.

Location (Red	quired):							-	
■ NM State Plane (NAD83) (Feet) □ NM West Zone □ NM Central Zone ■ NM East Zone		UTM (NAD83) (Meters) Zone 13N Zone 12N		Lat/Long (WGS84) (1/10 th of second) OTHER (allowable only for move-from descriptions - see application form for format) PLSS (quarters, section, township, range) Hydrographic Survey, Map & Tract Lot, Block & Subdivision Grant					
OSE POD Number: Cー니니니	Other Well ID:	X or Longitude (ddmmss):	Y or Latitude (ddmmss):	Other Location Info (PLSS):	Casing ID (inches):	Depth to Water- (ft bgs):	Total well Depth- (ft bgs):	Grout Volume:	Surface Casing (Y or N):
POD 27	SB-25	-103°43'18.40"E	32°24'14.17"	N			105-	14490	
u 28	SB-26	-103°43'18.62"E	32°24'13.51"	N				1	
Y 29	SB-27	-103°43'18.85"E	32°24'12.90"	N					
" 30	SB-28	-103°43'18.11"E	32°24'13.22"	N					
v 31	SB-29	-103°43'17.42"E	32°24'14.55"I	N					
, 32	SB-30	-103°43'16.97"E	32°24'12.85"I	N					
ı 33	SB-31	-103°43'15.44"E	32°24'13.72"(N					
u 34	SB-32	-103°43'14.75"E	32°24'13.86"ľ	N					
v 35	SB-33	-103°43'16.05"E	32°24'11.77"	V					
v 3c	SB-34	-103°43'16.62"E	32°24'11.45"l	V					
₁₁ 37	SB-35	-103°43'17.73"E	32°24'11.83"N	V	-				
u 38	SB-36	-103°43′17.82″E	32°24'11.18"	N			V	V	

FOR OSE INTERNAL USE	Multiple Montioring POD Descriptions, Form wr-08m (Rev 7/31/19)
File Number: (- 니니니	Trn Number. 690620
Trans Description (optional):	Plg Plan

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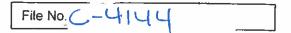
ATTACHMENT to WD-08 Plan of Plugging MULTIPLE MONITORING WELL DESCRIPTIONS

This Attachment is to be completed if more than one (1) monitoring well is to be plugged using the same method.

Location (Re	quired):	100			-				
■ NM State Plane (NAD83) (Feet) □ NM West Zone □ NM Central Zone ■ NM East Zone		■ UTM (NAD83) (Meters) ■ Zone 13N □ Zone 12N		□ Lat/Long (WGS84) (1/10 th of second) OTHER (allowable only for move-from descriptions - see application form for format) □ PLSS (quarters, section, township, range) □ Hydrographic Survey, Map & Tract □ Lot, Block & Subdivision □ Grant				at) g e)	
OSE POD Number: C-4144	Other Well ID:	X or Longitude (ddmmss):	Y or Latitude (ddmmss):	Other Location Info (PLSS):	Casing ID- (inches):	Depth to Water- (ft bgs):	Total well Depth- (ft bgs):	Grout Volume:	Surface Casing (Y or N)
POD 391	SB-37	-103°43'18.73"E	32°24'11.17"N	1			105- 110F1	14/192	
H 40	SB-38	-103°43'18.71"E	32°24'10.67"N	1				1	
0 41	SB-39	-103°43'19.46"E	32°24'10.40"N	1					
42	SB-40	-103°43'17.69"E	32°24'11.09"N	1					
u 43	SB-41	-103°43'19.07"E	32°24'13.98"N	1					
11 44	SB-42	-103°43'18.64"E	32°24'14.79"N						
11 45	SB-43	-103°43'21.50"E	32°24'08.90"N						
11 46	SB-44	-103°43'21.53"E	32°24'07.79"N						
POD 13	PMW-10	-103°43'10.85" E	32°24'15.43"						
POD 14	PMW-11	-103°43'23.28" E	32°24'08.82" N						
							V		

FOR OSE INTERNAL USE Multiple Montiorin	g POD Descriptions, Form wr-08m (Rev 7/31/19)
File Number: C- UILL	Trn Number: 690620
Trans Description (optional): PL9 Pla	an







WR-07 APPLICATION FOR PERMIT TO DRILL A WELL WITH NO WATER RIGHT



(check applicable box):

For fees, see State Engineer website: http://www.ose.state.nm.us/

Purpose: Exploratory Well (Pump test) Monitoring Well	Pollution Control And/Or Recovery Construction Site/Pu Works Dewatering Mine Dewatering	_ 01	ource Heat Pump cribe):
A separate permit will be required	to apply water to beneficial e	se regardless if use is consumptiv	e or nonconsumptive.
Temporary Request - Requeste	ed Start Date: 2/9/21	Requested Er	nd Date: TBD
Plugging Plan of Operations Subm	nitted? Yes No		
1. APPLICANT(S)			
Name: EOG Resources		Name: GHD Services	
Contact or Agent:	check here if Agent	Contact or Agent:	check here if Agent
James Kennedy		Charles Neligh	
Mailing Address: 5509 Champions Drive		Mailing Address: 6121 Indian School Rd NE #2	000
City: Midland		City: Albuquerque	
State: Texas	Zip Code: 79706	State: New Mexico	Zip Code: 87110
Phone: 432-848-9146 Phone (Work):	☐ Home ■ Cell	Phone: 716-818-0224 Phone (Work):	☐ Home 🔳 Cell
E-mail (optional): James_kennedy@eogresources.co	m	E-mail (optional): Charles.Neligh@ghd.com	
	FOR OSE INTERNAL USE	Application for Permit, Form WR	R-07, Rev 11/17/16

PCW/LOG Due Date:

Trans Description (optional):

Sub-Basin:

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Page 1 of 3

. WELL(S) Describe the well(s) applicable to this ap	plication.	
(Lat/Long - WGS84).			tate Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude a PLSS location in addition to above.
NM State Plane (NAD83) NM West Zone NM East Zone NM Central Zone		JTM (NAD83) (Mete]Zone 12N ¶Zone 13N	rs) ■ Lat/Long (WGS84) (to the nearest 1/10 th of second)
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves , Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name

			- Land Grant Haine				
C-4144 POD12	-103°43'10.85" €	32°24'15.43"	T22s, R32E, Q7				
C-4144 P6D13	-103°43'23.28" E	32°24'08.82" N	T22S, R31E, Q12				
C-4144 POD 14 SB-12	-103°43'21.72" E	32°24'09.21" N	T22s, R32E, Q7				
C-4144 POD15 SB-13	-103°43'20.96"E	32°24'09.07"N	T22s, R32E, Q7				
C-4144 POD 14 SB-14	-103°43'21.85"E	32°24'08.65"N	T22s, R32E, Q7				
NOTE: If more well locations Additional well descriptions	s need to be describ are attached: 🔳 🛚	ed, complete form Yes No	n WR-08 (Attachment 1 – POD Descriptions) If yes, how many 30				
Other description relating well	to common landmark	s, streets, or other:					
Aprox 10.5 miles south of us hwy 62/180							
Well is on land owned by: BLM - Sundry included							
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? Yes No If yes, how many 5							
Approximate depth of well (fee	et): 105-110'BGS	C	Outside diameter of well casing (inches): 2"				
Driller Name: White Drilling Co).		Oriller License Number: WD-1456				

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

Well construction will be a 2-in dia. PVC casing with a 15-20 ft. 0.010-in slotted screen. Grade 10/20 silica sand pack will be placed in the annulus to 2 ft. above the screen. A 2ft. thick hydrated bentonite plug will be placed on top of the sand pack followed by cement/bentonite grout to the surface.

The soil borings will be advanced in order to help delineated the extent of the impact. If groundwater is encountered a monitoring well may be constructed.

the duration of planned monitoring will continue until NMOCD grants remedial Site closure.

FOR	OSE	INTE	RNAL	LISE

Application for Permit, Form WR-07

File No.: <	Trn No.: 690626
1, ,,,,,,,,, C = C(1,4,4)	Irn No.: 690620







ATTACHMENT 1 POINT OF DIVERSION DESCRIPTIONS

This Attachment is to be completed if more than one (1) point of diversion is described on an Application or Declaration.

a. Is this a:			b. Informat	tion on Attachment(s):
☐ Move-From Point of Div			points of diversion involved in the application: 35	
☐ Move-To Point of Diversion(s)				er of pages attached to the application:5_
☐ Surface Point of Diversion	OR	■ Well		
Name of ditch, acequia,	or spring:			
Stream or water course:				
Tributary of:				
c. Location (Required): Required: Move to POD location	coordinate must l	oe either New	Mexico State Plar	ne (NAD 83), UTM (NAD 83), <u>or</u> Lat/Long (WGS84)
NM State Plane (NAD83)	UTM (NAD83)			OTHER (allowable only for move-from
(feet)	(meters)		Lat/Long-	descriptions - see application form for format) PLSS (quarters, section, township, range)
NM West Zone NM Central Zone	Zone 13N 🗌	(WC	SS84)	Hydrographic Survey, Map & Tract
NM East Zone	Zone 12N 🗌	1/10	th of second	Lot, Block & Subdivision Grant
POD Number: C-4144	X or Longitude	Yor	Latitude	Other Location Description:
SB-1500 17	-103°43'21.79"	E 32°	24'08.09"N	T22s, R32E, Q7
POD Number: C. 4144	X or Longitude	Y or	Latitude	Other Location Description:
SB-16	-103°43'20.99"	E 32°	24'08.03"N	T22s, R32E, Q7
POD Number: C. 4144 Pools	X or Longitude	Y or	Latitude	Other Location Description:
SB-17	-103°43'20.64"	E 32°	24'08.04"N	T22s, R32E, Q7
POD Number: (-4144 Pod 20	X or Longitude	Y or	Latitude	Other Location Description:
SB-18	-103°43'21.20"	E 32°2	24'13.89"N	T22s, R32E, Q7
POD Number: (. 4144 Pop 21	X or Longitude	Y or	Latitude	Other Location Description:
SB-19	-103°43'20.43"i	E 32°2	24'13.69"N	T22s, R32E, Q7
POD Number: C-4144 PoD2	X or Longitude	Y or	Latitude	Other Location Description:
SB-20	-103°43'21.14"	E 32°2	24'13.25"N	T22s, R32E, Q7
POD Number: C-4144 Poo 23	X or Longitude	Y or	Latitude	Other Location Description:
SB-21	-103°43'20.80"(≣ 32°2	24'13.25"N	T22s, R32E, Q7
POD Number: C.4144 Pop2	X or Longitude	Y or	Latitude	Other Location Description:
SB-22	-103°43'19.89"l	≣ 32°2	24'13.57"N	T22s, R32E, Q7
POD Number: C.4144 Poo 29	X or Longitude	Y or	Latitude	Other Location Description:
SB-23	-103°43'18.14"l	32°2	24'15.26"N	T22s, R32E, Q7

FOR OSE INTERNAL USE

Form wr-08

POD DESCRIPTIONS - ATTACHMENT 1

File Number: C - C C C	Trn Number: 690620
Trans Description (optional):	\supset





ATTACHMENT 1 POINT OF DIVERSION DESCRIPTIONS

This Attachment is to be completed if more than one (1) point of diversion is described on an Application or Declaration.

a. Is this a:		b. Information on Attachment(s):		
☐ Move-From Point of Div		Number of points of diversion involved in the application: 35		
☐ Move-To Point of Divers	sion(s)		Total numb	er of pages attached to the application:5_
☐ Surface Point of Diversion	OR	■ Well		
Name of ditch, acequia,	or spring:			
Stream or water course:				
Tributary of:				
c. Location (Required): Required: Move to POD location	coordinate must b	e either New Mex	rico State Plan	ne (NAD 83), UTM (NAD 83), <u>or</u> Lat/Long (WGS84)
NM State Plane (NAD83)	UTM (NAD83)			OTHER (allowable only for move-from
(feet)	(meters)	■ Lat/	Long	descriptions - see application form for format)
NM West Zone	Zone 13N	(WGS8		PLSS (quarters, section, township, range)Hydrographic Survey, Map & Tract
NM Central Zone	Zone 12N 🔲	1/10 th of	second	Lot, Block & Subdivision
NM East Zone				Grant
POD Number: C-4144	X or Longitude	Y or Lati	tude	Other Location Description:
SB-24 PCD Z6	-103°43'18.21"E	32°24'1	4.62"N	T22s, R32E, Q7
POD Number: C-4144	X or Longitude	Y or Lati	tude	Other Location Description:
SB-25 POD 27	-103°43'18.40"E	32°24'14.17"N		T22s, R32E, Q7
POD Number: C-UIYY	X or Longitude	Y or Lati	lude	Other Location Description:
SB-26 POD 28	-103°43'18.62"E	32°24'1	3.51"N	T22s, R32E, Q7
POD Number: C- 4144	X or Longitude	Y or Lati	tude	Other Location Description:
SB-27 Pap Zg	-103°43'18.85"E	32°24'1	2.90"N	T22s, R32E, Q7
POD Number: C.4144	X or Longitude	Y or Latif	tude	Other Location Description:
SB-28 Pap 30	-103°43'18.11"E	32°24'1	3.22"N	T22s, R32E, Q7
POD Number: C-4144	X or Longitude	Y or Latit	ude	Other Location Description:
SB-29 Pan 31	-103°43'17.42"E	32°24'1	4.55"N	T22s, R32E, Q7
POD Number: C-4144	X or Longitude	Y or Latit	ude	Other Location Description:
SB-30 Pan 32	-103°43'16.97"E	32°24'1	2.85"N	T22s, R32E, Q7
POD Number: C-4144	X or Longitude	Y or Latit	ude	Other Location Description:
SB-31 Pap 33	-103°43'15.44"E	32°24'1	3.72"N	T22s, R32E, Q7
POD Number: C-UIVY,	X or Longitude	Y or Latit	ude	Other Location Description:
SB-32 PUD 34	-103°43'14.75"E	32°24'1	3.86"N	T22s, R32E, Q7

FOR OSE INTERNAL USE

Form wr-08

POD DESCRIPTIONS - ATTACHMENT 1

File Number: C - C 1 C L L	Trn Number:	690620
Trans Description (optional):		





ATTACHMENT 1 POINT OF DIVERSION DESCRIPTIONS

This Attachment is to be completed if more than one (1) point of diversion is described on an Application or Declaration.

a. Is this a: ☐ Move-From Point of Divers ☐ Move-To Point of Divers		Number of	tion on Attachment(s): points of diversion involved in the application: 35 er of pages attached to the application: 5	
☐ Surface Point of Diversion	OR	■ Well		
Name of ditch, acequia,	or spring:			
Stream or water course:				
Tributary of:				
c. Location (Required): Required: Move to POD location	coordinate must b	e either New Mex	rico State Plar	ne (NAD 83), UTM (NAD 83), <u>or</u> Lat/Long (WGS84)
NM State Plane (NAD83) (feet) NM West Zone ☐ NM Central Zone ☐ NM East Zone ☐	UTM (NAD83) (meters) Zone 13N Zone 12N	Lat/ (WGS8- 1/10 th of		OTHER (allowable only for move-from descriptions - see application form for format) PLSS (quarters, section, township, range) Hydrographic Survey, Map & Tract Lot, Block & Subdivision Grant
POD Number: C- 4144	X or Longitude	Y or Lati	tude	Other Location Description:
\$B-33 PoD35	-103°43'16.05"E	32°24'1	1.77"N	T22s, R32E, Q7
POD Number: C-4144	X or Longitude	Y or Lati	tude	Other Location Description:
SB-34 POD 34	-103°43'16.62"E	32°24'1	1.45"N	T22s, R32E, Q7
POD Number: (-4144	X or Longitude	Y or Lati	tude	Other Location Description:
SB-35 POD 37	-103°43'17.73"E	32°24'1	1.83"N	T22s, R32E, Q7
POD Number: C-U144	X or Longitude	Y or Lati	lude	Other Location Description:
SB-36 PUD 38	-103°43'17.82"E	32°24'1	1.18"N	T22s, R32E, Q7
POD Number: ८.네니니	X or Longitude	Y or Lati	tude	Other Location Description:
SB-37 70039	-103°43'18.73"E	32°24'1	1.17"N	T22s, R32E, Q7
POD Number: (-4144	X or Longitude	Y or Latit	tude	Other Location Description:
SB-38 POD 40	-103°43'18.71"E	32°24'1	0.67"N	T22s, R32E, Q7
POD Number: C-4144	X or Longitude	Y or Latit	ude	Other Location Description:
SB-39 POD 41	-103°43'19.46"E	32°24'10	0.40"N	T22s, R32E, Q7
POD Number: C.4144	X or Longitude	Y or Latit	ude	Other Location Description:
SB-40 POD 42	-103°43'17.69"E	32°24'1	1.09"N	T22s, R32E, Q7
POD Number: C 4144	X or Longitude	Y or Latit	ude	Other Location Description:
SB-41 70 43	-103°43'19.07"E	32°24'1;	3.98"N	T22s, R32E, Q7

FOR OSE INTERNAL USE

Form wr-08

POD DESCRIPTIONS - ATTACHMENT 1

File Number:	Trn Number: 190000
Trans Description (optional):	







ATTACHMENT 1 POINT OF DIVERSION DESCRIPTIONS

This Attachment is to be completed if more than one (1) point of diversion is described on an Application or Declaration.

a. Is this a:			b. Information on Attachment(s):		
☐ Move-From Point of Diversion(s)			Number of points of diversion involved in the application: 35		
☐ Move-To Point of Diversion(s)			Total numb	per of pages attached to the application:5	
Surface Point of Diversion	OR 🔳	Well			
Name of ditch, acequia,	or spring:				
Stream or water course:					
Tributary of:					
c. Location (Required): Required: Move to POD location	coordinate must be e	either New Mex	ico State Pla	ne (NAD 83), UTM (NAD 83), or Lat/Long (WGS84)	
NM State Plane (NAD83)	UTM (NAD83)			OTHER (allowable only for move-from	
(feet)	(meters)			descriptions - see application form for format)	
NM West Zone	Zone 13N	■ Lat/l (WGS84		■ PLSS (quarters, section, township, range) □ Hydrographic Survey, Map & Tract	
NM Central Zone	Zone 12N	1/10 th of	second	Lot, Block & Subdivision	
NM East Zone				Grant	
POD Number: C. 4144	X or Longitude	Y or Latit	tude	Other Location Description:	
SB-42 POI) 44	-103°43'18.64"E	32°24'14	4.79"N	T22s, R32E, Q7	
POD Number: C. U(ILL	X or Longitude	Y or Latit	ude	Other Location Description:	
SB-43 POD 45	-103°43'21.50"E	32°24'08	3.90"N	T22s, R32E, Q7	
POD Number: C. 444	X or Longitude Y or Lati		ude	Other Location Description:	
SB-44 PUD 44	-103°43'21.53"E	32°24'07	7.79"N	T22s, R32E, Q7	
POD Number:	X or Longitude Y or Lati		ude	Other Location Description:	
POD Number:	X or Longitude	Y or Latit	ude	Other Location Description:	
				· ·	
POD Number:	X or Longitude	Y or Latit	ude	Other Location Description:	
POD Number:	X or Longitude	Y or Latit	ude	Other Location Description:	
POD Number:	X or Longitude	Y or Latit	ude	Other Location Description:	
	J			Carlo Zoodion Boompton.	
POD Number:	X or Longitude	Y or Latit	ude	Other Location Description:	

FOR OSE INTERNAL USE

Form wr-08

POD DESCRIPTIONS - ATTACHMENT 1

File Number: 41 4	4	Trn Number:	690420
Trans Description (optional):	MON		

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.
- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

Trn Desc: C 04144 POD12-46 File Number: C 04144
Trn Number: 690620

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- The State Engineer retains jurisdiction over this permit. 17-0
- Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow 17-R the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
- LOG The Point of Diversion C 04144 POC28 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD12 must be completed and the Well Log filed on or before 03/25/2022.

Trn Desc: C 04144 POD12-46 File Number: C 04144 Trn Number: 690620

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG	The Point of Diversion C 04144 POD13 must be completed and the
	Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD14 must be completed and the
	Well Log filed on or before 03/25/2022.

- LOG The Point of Diversion C 04144 POD15 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD16 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD17 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD18 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD19 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD20 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD21 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD22 must be completed and the Well Log filed on or before 03/25/2022.

Trn Desc: C 04144 POD12-46 File Number: C 04144
Trn Number: 690620

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG	The Point of Diversion C 04144 POD23 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD24 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD25 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD26 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD27 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD29 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD30 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD31 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD32 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD33 must be completed and the

Well Log filed on or before 03/25/2022.

Trn Desc: C 04144 POD12-46 File Number: C 04144
Trn Number: 690620

Released to Imaging: 5/2/2022 3:37:29 PM

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG	The Point of Diversion C 04144 POD34 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD35 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD36 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD37 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD38 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD39 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD40 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD41 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD42 must be completed and the Well Log filed on or before 03/25/2022.
LOG	The Point of Diversion C 04144 POD43 must be completed and the Well Log filed on or before 03/25/2022.

 Trn Desc:
 C 04144 POD12-46
 File Number:
 C 04144

 Trn Number:
 690620

Trn Desc: C 04144 POD12-46 File Number: C 04144 Trn Number: 690620 page: 6

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- LOG The Point of Diversion C 04144 POD44 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD45 must be completed and the Well Log filed on or before 03/25/2022.
- LOG The Point of Diversion C 04144 POD46 must be completed and the Well Log filed on or before 03/25/2022.

IT IS THE PERMITTEES RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected: Formal Application Rcvd: 03/10/2021 Pub. of Notice Ordered: Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 25 day of Mar A.D., 2021

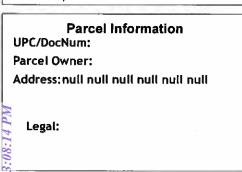
John R. D Andonio, Jr., P.E. , State Engineer

By:

JUAN HERNADEZ

TANK THE RESERVE TO T

Latitude 32:24:15.430000 Longitude -103:43:10.850000 Location pulled from Coordinate Search



Chaves County

Parcels 2020

Eddy County

Parcels 2020 **BLM Land**

PLSSTownship

Grant

Coord Search

Location

Active

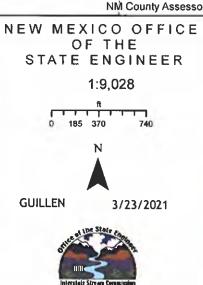
Pending

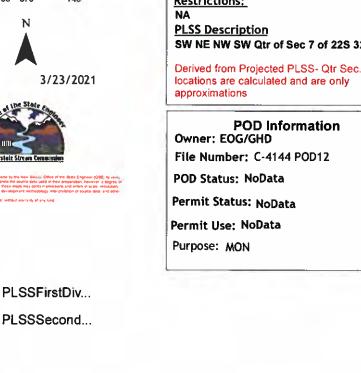
Plugged

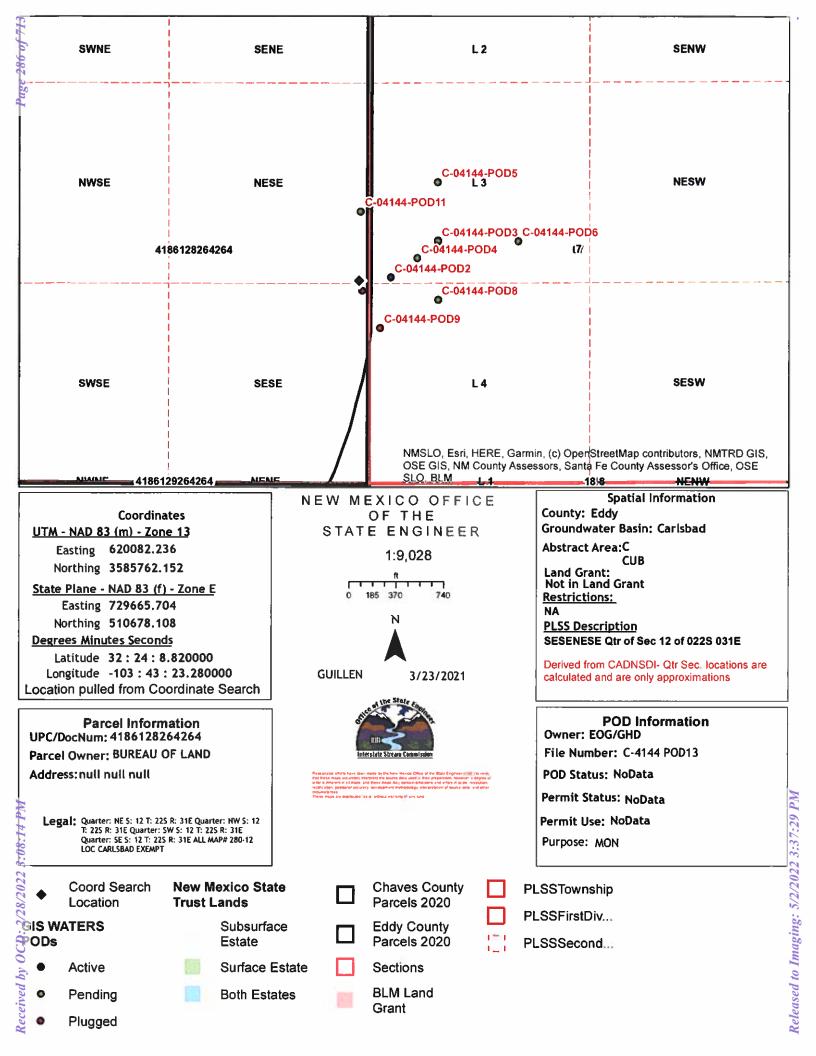
GIS WATERS

28/2022

∰ODs







BLM Land

Grant

Both Estates

Pending

Plugged

Chaves County

Parcels 2020

Eddy County

Parcels 2020

Sections **BLM Land**

Grant

Legal:

Coord Location

∰ODs

Coord Search

Location

Active

Pending

Plugged

New Mexico State

Subsurface

Surface Estate

Both Estates

Estate

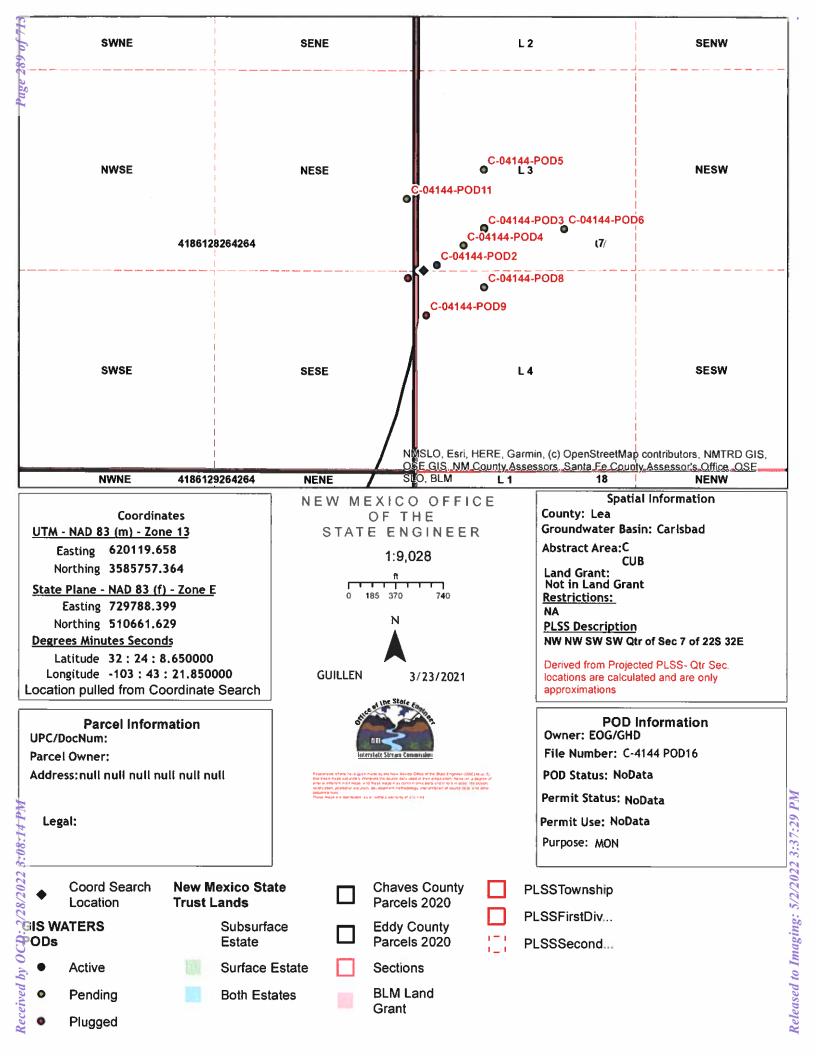
Trust Lands

Permit Use: NoData Purpose: MON

PLSSTownship

PLSSFirstDiv...

PLSSSecond...



Degrees Minutes Seconds

Latitude 32:24:8.090000 Longitude -103:43:21.790000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:

3:08:14 P

GUILLEN

3/23/2021



PLSS Description

NW NW SW SW Qtr of Sec 7 of 22\$ 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD17

POD Status: NoData Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search

Location

IS WATERS ∰ODs

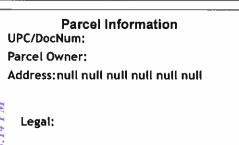
- Active
- Pending
- Plugged

New Mexico State Trust Lands

Subsurface Estate

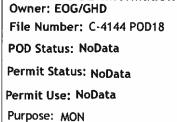
- Surface Estate
- **Both Estates**
- **Chaves County** Parcels 2020
- **Eddy County** Parcels 2020
- Sections
 - **BLM Land** Grant
- **PLSSTownship**
- PLSSFirstDiv...





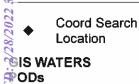






POD Information

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Active

Pending

Plugged

New Mexico State Trust Lands

> Subsurface Estate

Surface Estate

Both Estates

Chaves County Parcels 2020

Eddy County Parcels 2020

Sections

BLM Land Grant

PLSSTownship

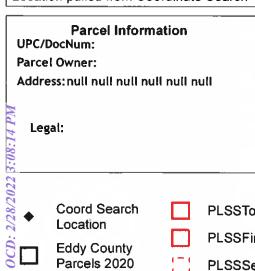
PLSSFirstDiv...

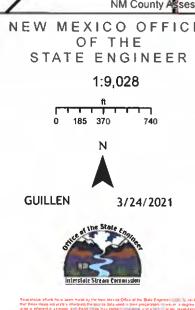
Grant

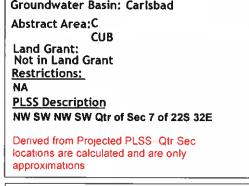
Pending

Plugged

Both Estates







POD Information Owner: EOG/GHD

File Number: C-4144 POD22

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

Coord Search Location

Parcels 2020

Eddy County

Sections

BLM Land Grant

PLSSTownship PLSSFirstDiv... PLSSSecond ...

Coordinates UTM - NAD 83 (m) - Zone 13 Easting 620145.396 Northing 3585899.348 State Plane - NAD 83 (f) - Zone E

Easting 729875.761 Northing 511126.999 **Degrees Minutes Seconds**

Latitude 32:24:13.250000 Longitude -103:43:20.800000 Location pulled from Coordinate Search

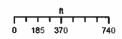
Parcel Information UPC/DocNum: Parcel Owner:

Address; null null null null null null

Legal:

OF THE STATE ENGINEER

1:9,028





GUILLEN

3/24/2021



County: Lea

Groundwater Basin: Carlsbad

Abstract Area:C **CUB**

Land Grant: Not in Land Grant **Restrictions:**

PLSS Description

NW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD23

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose: MON

OCD: 2/28/2022 3:08:14 PA

Location

Eddy County

Coord Search

Parcels 2020

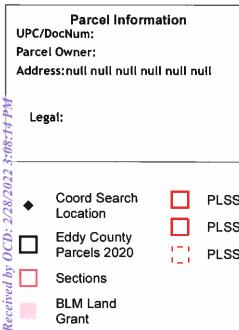
Sections

BLM Land Grant

PLSSTownship

PLSSFirstDiv...

PLSSSecond...





POD Information

Owner: EOG/GHD

File Number: C-4144 PQD 24

POD Status: NoData

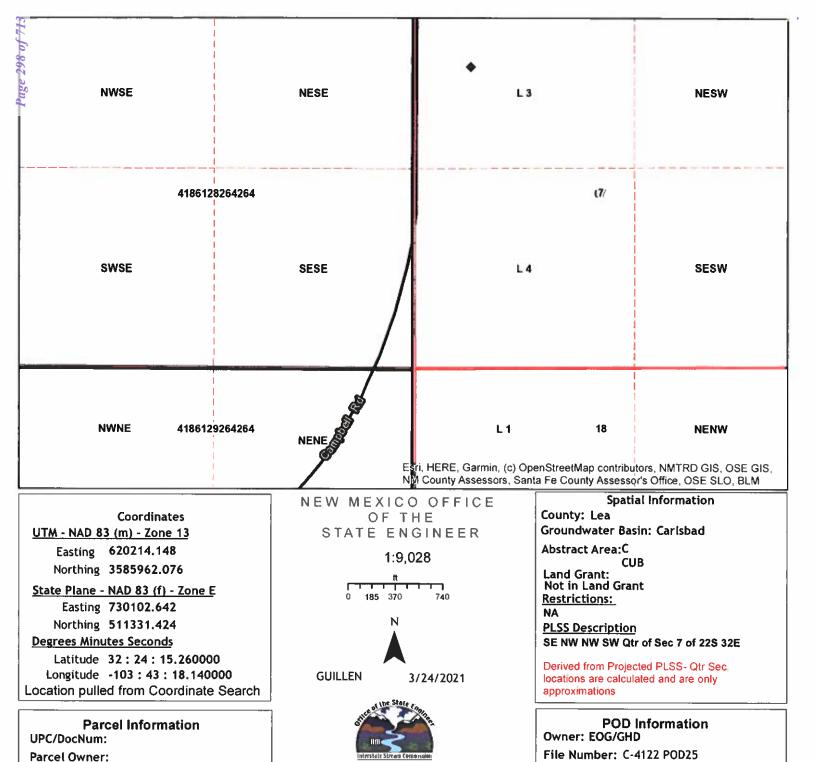
Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search **PLSSTownship** Location PLSSFirstDiv... **Eddy County** Parcels 2020 PLSSSecond... **Sections**

> **BLM Land** Grant



Address: null null null null null

Coord Search

Eddy County Parcels 2020

Location

Sections
BLM Land
Grant

PLSSTownship

PLSSFirstDiv...

PLSSSecond...

Received by OCD: 2/28/2022 \$:08:14 PM

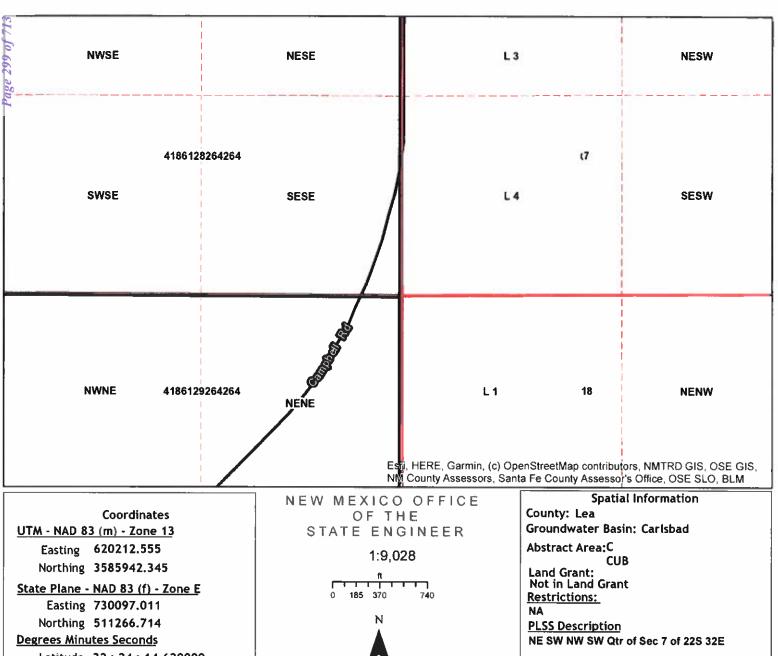
Legal:

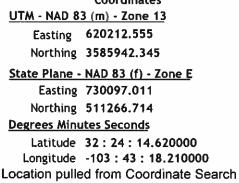
Released to Imaging: 5/2/2022 3:37:29 PM

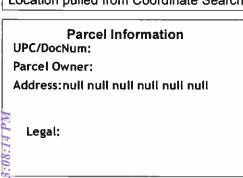
POD Status: NoData

Permit Use: NoData Purpose: MON

Permit Status: NoData







GUILLEN 3/24/2021



Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD26

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

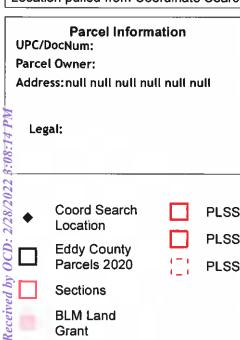
Purpose: MON

Eddy County PLSSSecond... Parcels 2020 Sections **BLM** Land Grant **PLSSTownship**

PLSSFirstDiv...

eceived by OCD: 2/28/2022

Longitude -103:43:18.400000 Location pulled from Coordinate Search







locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD27

POD Status: NoData Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search Location

PLSSTownship

Eddy County Parcels 2020

Sections

BLM Land Grant



Easting 620202.253

Northing 3585908.035

State Plane - NAD 83 (f) - Zone E

Easting 730062.503 Northing 511154.341

Degrees Minutes Seconds

Latitude 32:24:13.510000 Longitude -103:43:18.620000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null null

Legal:

1:9,028



GUILLEN

PLSSTownship

PLSSFirstDiv...

PLSSSecond...

3/24/2021



Abstract Area:C

Land Grant: Not in Land Grant

Restrictions:

PLSS Description

NW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD28

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

2/28/2022 3:08:14 P. **Eddy County**

Parcels 2020

Lea County

Parcels 2020

Sections

BLM Land Grant

Northing 3585889.178

State Plane - NAD 83 (f) - Zone E

Easting 730043.138

Northing 511092.585

Degrees Minutes Seconds

Latitude 32:24:12.900000 Longitude -103:43:18.850000

Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:

1:18,056

mi 0 0.05 0.1



GUILLEN

3/24/2021



Land Grant: Not in Land Grant

Restrictions:

NΑ

PLSS Description

NW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only

approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD29

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose: MON

OCD: 2/28/2022

Coord Search Location

Eddy County Parcels 2020

Lea County

Parcels 2020

Sections

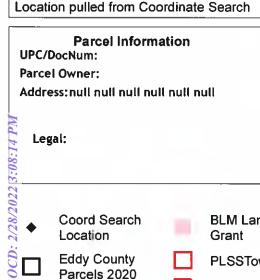
BLM Land Grant

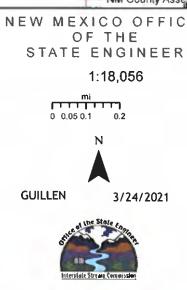
PLSSTownship

PLSSFirstDiv...

PLSSSecond...

Longitude -103:43:18.110000







locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD30

POD Status: NoData Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search **BLM Land** Location Grant **Eddy County PLSSTownship** Parcels 2020 PLSSFirstDiv... Lea County Parcels 2020 PLSSSecond....

Sections

Location pulled from Coordinate Search

Parcel Information UPC/DocNum: Parcel Owner: Address; null null null null null null Received by OCD: 2/28/2022 3:08:14 PM Legal:



locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD31

POD Status: NoData Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search **BLM Land** Location Grant **Eddy County PLSSTownship** Parcels 2020 PLSSFirstDiv... Lea County Parcels 2020 PLSSSecond

Sections

Legal:

locations are calculated and are only

Purpose: MON

Coord Search **BLM Land** Location Grant **Eddy County PLSSTownship** Parcels 2020 PLSSFirstDiv... Lea County Parcels 2020 PLSSSecond...

Sections

Longitude -103:43:15.440000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address; null null null null null null

Legal:

OCD: 2/28/2022

GUILLEN

3/24/2021



locations are calculated and are only approximations

POD Information

Owner: EOG/GIS

File Number: C-4144 POD33

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose: MON

Location

Coord Search

Eddy County Parcels 2020

Lea County

Parcels 2020

Sections

BLM Land Grant

PLSSTownship

PLSSFirstDiv...

PLSSSecond...

Degrees Minutes Seconds

Latitude 32:24:13.860000 Longitude -103:43:14.750000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:



GUILLEN

3/25/2021



NE SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD34

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

Received by OCD: 2/28/2022 3:08:14 PM Coord Search Location

Eddy County

Parcels 2020

Lea County Parcels 2020

BLM Land Grant

PLSSTownship PLSSFirstDiv...

Longitude -103:43:16.050000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null null

Legal:

GUILLEN

3/25/2021



Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD35

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

by OCD: 2/28/2022 3:08:14 PA **Coord Search** Location

Eddy County

Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship PLSSFirstDiv... PLSSSecond...

Latitude 32:24:11.450000 Longitude -103:43:16.620000 Location pulled from Coordinate Search

Parcel Information UPC/DocNum: Parcel Owner: Address: null null null null null null

Legal:

Grant

GUILLEN 3/25/2021



Derived from Projected PLSS- Qtr Sec locations are calculated and are only approximations

POD Information

Owner: OSE/GHD

File Number: C-4144 POD36

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

Received by OCD: 2/28/2022 3:08:14 Pt Coord Search **PLSSTownship** Location PLSSFirstDiv... **Eddy County** Parcels 2020 PLSSSecond.... Lea County Parcels 2020 **BLM Land**

Longitude -103:43:17.730000

Parcel Information UPC/DocNum: Parcel Owner: Address: null null null null null null Received by OCD: 2/28/2022 3:08:14 PM Legal:

Location pulled from Coordinate Search

GUILLEN 3/25/2021



Derived from Projected PLSS- Qtr Sec locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD37

POD Status: NoData Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search **PLSSTownship** Location PLSSFirstDiv... **Eddy County** Parcels 2020 PLSSSecond... Lea County Parcels 2020

> **BLM Land** Grant

Degrees Minutes Seconds

Latitude 32:24:11.180000 Longitude -103:43:17.820000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:



GUILLEN

3/25/2021



SE SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD38

POD Status: NoData

Permit Status: NoData Permit Use: NoData

Purpose: MON

Received by OCD: 2/28/2022 3:08:14 PM

Coord Search Location

Eddy County

Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship

PLSSFirstDiv...

Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 620200.240 Northing 3585835.941

State Plane - NAD 83 (f) - Zone E

Easting 730054.425

Northing 510917.817

Degrees Minutes Seconds

Latitude 32:24:11.170000 Longitude -103:43:18.730000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:18,056

0 0.05 0.1



GUILLEN

3/25/2021



Spatial Information

County: Lea

Groundwater Basin: Carlsbad

Abstract Area:C

Land Grant: Not in Land Grant Restrictions:

PLSS Description

SW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD39

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose: MON

Received by OCD: 2/28/2022

Coord Search Location

Eddy County Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship

PLSSFirstDiv...

Northing 510867.299

Degrees Minutes Seconds

Latitude 32:24:10.670000 Longitude -103:43:18.710000

Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null null

Legal:

by OCD: 2/28/2022 3:08:14 PM



GUILLEN

3/25/2021



PLSS Description

SW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD40

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose: MON

Coord Search Location

Eddy County Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship

PLSSFirstDiv...

Degrees Minutes Seconds

Latitude 32:24:10.400000 Longitude -103:43:19.460000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null null

Legal:



GUILLEN

3/25/2021



SW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD41

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

OCD: 2/28/2022 3:08:14 P Coord Search Location

Eddy County Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship

PLSSFirstDiv...

Latitude 32:24:11.090000 Longitude -103:43:17.690000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null null

Legal:



GUILLEN

3/25/2021



Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD42

POD Status: NoData Permit Status: NoData Permit Use: NoData

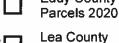
Purpose: MON

Coord Search Location

PLSSTownship

Eddy County

PLSSFirstDiv...





PLSSSecond...

by OCD: 2/28/2022 3:08:14 PM

BLM Land Grant

Parcels 2020

Northing 511201.617

Degrees Minutes Seconds

Latitude 32:24:13.980000 Longitude -103:43:19.070000

Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address; null null null null null null

Legal:



3/25/2021



NA

PLSS Description

NW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD43

POD Status: NoData Permit Status: NoData

Permit Use: NoData

Purpose: MON

OCD: 2/28/2022 3:08:14 PA

Coord Search Location

Eddy County Parcels 2020

Lea County Parcels 2020

BLM Land Grant

PLSSTownship

PLSSFirstDiv...

Northing 511283.683

Degrees Minutes Seconds

Latitude 32:24:14.790000 Longitude -103:43:18.640000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:

GUILLEN

PLSSTownship

PLSSFirstDiv...

PLSSSecond...

3/25/2021



PLSS Description

NW SW NW SW Qtr of Sec 7 of 22S 32E

Derived from Projected PLSS- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD44

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

OCD: 2/28/2022 3:08:14 P Coord Search Location

Eddy County

Parcels 2020

Lea County Parcels 2020

BLM Land Grant

Latitude 32:24:8.900000 Longitude -103:43:21.500000 Location pulled from Coordinate Search

Parcel Information

UPC/DocNum:

Parcel Owner:

Address: null null null null null

Legal:

Received by OCD: 2/28/2022 3:08:14 PM

GUILLEN

3/25/2021



Derived from Projected PLSS-Qtr Sec locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD45

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

Coord Search Location

Eddy County Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship

PLSSFirstDiv...

Latitude 32:24:7.790000 Longitude -103:43:21.530000 Location pulled from Coordinate Search

Parcel Information

Legal:

UPC/DocNum: Parcel Owner: Address: null null null null null null Received by OCD: 2/28/2022 8:08:14 P.

GUILLEN

3/25/2021



Derived from Projected PLSS- Qtr Sec locations are calculated and are only approximations

POD Information

Owner: EOG/GHD

File Number: C-4144 POD46

POD Status: NoData Permit Status: NoData Permit Use: NoData

Purpose: MON

Coord Search Location

Eddy County Parcels 2020

Lea County Parcels 2020

> **BLM Land** Grant

PLSSTownship PLSSFirstDiv...

John R. D Antonio, Jr., P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 690620 File Nbr: C 04144

Mar. 25, 2021

ALAN BRANDON GHD SERVICES INC. 6121 INDIAN SCHOOL RD NE ALBUQUERQUE, NM 87110

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Claudia Guillen (575) 622-6521

Enclosure

explore

Appendix E 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: 890-1018-1

Laboratory Sample Delivery Group: 11220747

Client Project/Site: Flamenco #1

Revision: 1

For:

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

Attn: Becky Haskell

Debbie Simmons

Authorized for release by: 8/25/2021 4:33:56 PM

Debbie Simmons, Project Manager (281)240-4200

debbie.simmons@eurofinset.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/2/2022 3:37:29 PM

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.

1

3

4

6

7

10

12

13

14

Client: GHD Services Inc.

Project/Site: Flamenco #1

Laboratory Job ID: 890-1018-1

SDG: 11220747

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	6
Surrogate Summary	36
QC Sample Results	39
QC Association Summary	51
Lab Chronicle	60
Certification Summary	71
Method Summary	72
Sample Summary	73
Chain of Custody	74
Receipt Checklists	85

Definitions/Glossary

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Qualifiers

		1/			
G	U	v	U	А	

Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD 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
В	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.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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) FPA recommended "Maximum Contaminant Level" MCI

MCL	EFA recommended iviaximum Contaminant Level
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

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
P∩I	Practical Quantitation

PQL	Practical Quantitation	Limit

PRES	Presumptive
QC	Quality Control
RER	Relative Error Patio (Padiochemistry)

IXLIX	Relative Error Ratio (Radiocrietiiistry)	

RPD Relative Percent Difference, a measure of the relative difference between two po	oints
--	-------

	· · · · · · · · · · · · · · · · · · ·
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: Flamenco #1

Job ID: 890-1018-1

SDG: 11220747

Job ID: 890-1018-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1018-1

Receipt

The samples were received on 7/28/2021 11:45 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 8.4°C

Additional requests

Per Becky Hasketll, please hold samples SB-13-6' and SB-13-15'. Also all samples should be on a three day turn and also correct dates for the following:

SB-17 - 2' 7/28 needs to be 7/26/21

SB 39 - 2' 7/28 needs to be 7/26/21

SB 27 - 2' 7/28 needs to be 7/26/21

SB 13 - 2', 4', 10', 15' needs to be 7/25/21 SB 13 - 18' needs to be 7/25/21

and Please hold the following samples:

- SB-13-6' Sample 33
- SB-13-15' Sample 28
- SB-40-20' Sample 41
- SB-21-15' Sample 45
- SB-21-20' Sample 20
- SB-32-20' Sample 51

Please Correct the sample date for SB-4' to 7/25/21 Sample 32

per Becky Haskell, Please run the following samples on 3 day TAT:

20 - SB-20-15' 46 - SB-21-20'

REVISION

per Becky Haskell there are two samples listed twice on the report, only need to report once for sample ID SB-13-4' and SB-13-10'.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SB-41-2 (890-1018-1), SB-41-4 (890-1018-2), SB-41-10 (890-1018-3), SB-41-15 (890-1018-4), SB-42-2 (890-1018-5), SB-42-4 (890-1018-6), SB-42-10 (890-1018-7), SB-42-15 (890-1018-8), SB-23-2 (890-1018-9), SB-23-4 (890-1018-10), SB-39-10 (890-1018-11), SB-39-15 (890-1018-12), SB-27-2 (890-1018-13), SB-27-4 (890-1018-14), SB-27-10 (890-1018-15), SB-27-15 (890-1018-16), SB-20-2 (890-1018-17), SB-20-4 (890-1018-18), SB-20-10 (890-1018-19), SB-20-15 (890-1018-20), SB-17-2 (890-1018-21), SB-17-4 (890-1018-22), SB-17-10 (890-1018-23), SB-17-15 (890-1018-24), SB-13-2 (890-1018-25), SB-13-4 (890-1018-26), SB-13-10 (890-1018-27), SB-13-15 (890-1018-28), SB-39-2 (890-1018-29), SB-39-4 (890-1018-30), SB-23-10 (890-1018-31), SB-13-4 (890-1018-32), SB-13-6 (890-1018-33), SB-13-10 (890-1018-34), SB-13-18 (890-1018-35), SB-13-30 (890-1018-36), SB-40-2 (890-1018-37), SB-40-4 (890-1018-38), SB-40-10 (890-1018-39), SB-40-15 (890-1018-40), SB-40-20 (890-1018-41), SB-21-2 (890-1018-42), SB-21-4 (890-1018-43), SB-21-10 (890-1018-44), SB-21-15 (890-1018-50) and SB-32-20 (890-1018-51).

Eurofins Xenco, Carlsbad 8/25/2021 (Rev. 1)

Case Narrative

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1

SDG: 11220747

Job ID: 890-1018-1 (Continued)

Laboratory: Eurofins Xenco, Carlsbad (Continued)

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): SB-41-2 (890-1018-1), SB-41-4 (890-1018-2), SB-41-10 (890-1018-3), SB-41-15 (890-1018-4), SB-42-2 (890-1018-5), SB-42-4 (890-1018-6), SB-42-10 (890-1018-7), SB-42-15 (890-1018-8), SB-23-2 (890-1018-9), SB-23-4 (890-1018-10), SB-39-10 (890-1018-11), SB-39-15 (890-1018-12), SB-27-2 (890-1018-13), SB-27-4 (890-1018-14), SB-27-10 (890-1018-15), SB-27-15 (890-1018-16), SB-20-2 (890-1018-17), SB-20-4 (890-1018-18), SB-20-10 (890-1018-19), SB-20-15 (890-1018-20), SB-17-2 (890-1018-21), SB-17-4 (890-1018-22), SB-17-10 (890-1018-23), SB-17-15 (890-1018-24), SB-13-2 (890-1018-25), SB-13-4 (890-1018-26), SB-13-10 (890-1018-27), SB-13-15 (890-1018-28), SB-39-2 (890-1018-29), SB-39-4 (890-1018-30), SB-23-10 (890-1018-31), SB-13-4 (890-1018-32), SB-13-6 (890-1018-33), SB-13-10 (890-1018-34), SB-13-18 (890-1018-35), SB-13-30 (890-1018-36), SB-40-2 (890-1018-37), SB-40-4 (890-1018-38), SB-40-10 (890-1018-39), SB-40-15 (890-1018-40), SB-40-20 (890-1018-41), SB-21-2 (890-1018-42), SB-21-4 (890-1018-43), SB-21-10 (890-1018-44), SB-21-15 (890-1018-45), SB-21-20 (890-1018-51). On sample numbered 890-1018-16 The container labels list SB-27-20 7-26-2021 16:40 while the COC lists SB-27-15 7-26-2021 16:40, it is fair to say that with the same date and time that these are the same sample

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-5821 and analytical batch 880-5782 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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB-41-4 (890-1018-2), SB-27-4 (890-1018-14), SB-20-10 (890-1018-19), SB-20-15 (890-1018-20), SB-17-4 (890-1018-22) and SB-13-2 (890-1018-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 880-5882 and analytical batch 880-5915 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 method blank for preparation batch 880-5902 and analytical batch 880-5917 contained OII Range Organics (Over C28-C36) 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: The method blank for preparation batch 880-5838 and analytical batch 880-5932 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.

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.

2

4

7

9

11

12

14

Date Received: 07/28/21 11:45

o-Terphenyl

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-41-2 Date Collected: 07/27/21 12:35

Lab Sample ID: 890-1018-1

07/29/21 16:22 08/01/21 23:41

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
Ethylbenzene	0.000585	J	0.00201	0.000567	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
Xylenes, Total	< 0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 12:00	07/29/21 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/29/21 12:00	07/29/21 17:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130				07/29/21 12:00	07/29/21 17:09	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac **Gasoline Range Organics** 16.0 J 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 23:41 (GRO)-C6-C10 **Diesel Range Organics (Over** 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 23:41 15.8 JB C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 23:41 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 23:41 **Total TPH** 31.8 JB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 70 - 130 07/29/21 16:22 08/01/21 23:41 1-Chlorooctane 89

Method: 300.0 - Anions, Ion C	hromatography - Solub	le						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.94	4.97	0.853	mg/Kg			07/30/21 20:37	1

70 - 130

95

Client Sample ID: SB-41-4 Lab Sample ID: 890-1018-2 Date Collected: 07/27/21 12:40 Matrix: Solid Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
Ethylbenzene	0.00141	J	0.00199	0.000563	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
Total BTEX	0.00141	J	0.00398	0.00101	mg/Kg		07/29/21 12:00	07/29/21 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				07/29/21 12:00	07/29/21 17:29	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/29/21 12:00	07/29/21 17:29	1
Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	II	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 00:44	

Eurofins Xenco, Carlsbad

Dil Fac

Dil Fac

Matrix: Solid

Job ID: 890-1018-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1018-2

Matrix: Solid

Client Sample ID: SB-41-4 Date Collected: 07/27/21 12:40

Date Received: 07/28/21 11:45

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC) (Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 00:44
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 00:44
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 00:44
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed
1-Chlorooctane	88		70 - 130				07/29/21 16:22	08/02/21 00:44

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Method: 300.0 - Anions, Ion Chrom	atography - Solubl	е					
o-Terphenyl	99	70 - 130		C	7/29/21 16:22	08/02/21 00:44	1
1-Cilioroccarie	00	10 - 130		U	1/23/21 10.22	00/02/21 00.44	,

4.99 0.857 mg/Kg 07/30/21 20:42 **Chloride** 9.68 Client Sample ID: SB-41-10 Lab Sample ID: 890-1018-3

Date Collected: 07/27/21 12:45 Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 12:00	07/29/21 19:19	1
Toluene	0.000585	J	0.00199	0.000453	mg/Kg		07/29/21 12:00	07/29/21 19:19	1
Ethylbenzene	0.00104	J	0.00199	0.000562	mg/Kg		07/29/21 12:00	07/29/21 19:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 12:00	07/29/21 19:19	1
o-Xylene	0.000422	J	0.00199	0.000342	mg/Kg		07/29/21 12:00	07/29/21 19:19	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 12:00	07/29/21 19:19	1
Total BTEX	0.00205	J	0.00398	0.00100	mg/Kg		07/29/21 12:00	07/29/21 19:19	1

Surrogate	%Recovery Qualifier	Limits	Prepared Ana.	lyzed Dil Fac
4-Bromofluorobenzene (Surr)	120	70 - 130	07/29/21 12:00 07/29/2	21 19:19 1
1,4-Difluorobenzene (Surr)	88	70 - 130	07/29/21 12:00 07/29/2	21 19:19 1

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

Method. 60 135 MW - Diesel K	ange Organ	ics (DKO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:04	1
(GRO)-C6-C10	4F0 0		50.0	45.0			07/00/04 40:00	00/00/04 04:04	4
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:04	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/29/21 16:22	08/02/21 01:04	1
o-Terphenyl	96		70 - 130				07/29/21 16:22	08/02/21 01:04	1

	Method: 300.0 - Anions, Ion C	hromatograp	hy - Solub	le						
	Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	57.6		5.04	0.865	mg/Kg			07/30/21 20:47	1

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747 Client Sample ID: SB-41-15

Lab Sample ID: 890-1018-4 **Matrix: Solid**

Date Collected: 07/27/21 12:50 Date Received: 07/28/21 11:45

Gasoline Range Organics

Released to Imaging: 5/2/2022 3:37:29 PM

(GRO)-C6-C10

Method: 8021B - Volatile O	•					_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
Toluene	< 0.00201	U	0.00201	0.000458	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
Ethylbenzene	0.00119	J	0.00201	0.000567	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
o-Xylene	0.000545	J	0.00201	0.000345	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
Total BTEX	0.00174	J	0.00402	0.00101	mg/Kg		07/29/21 12:00	07/29/21 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				07/29/21 12:00	07/29/21 19:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/29/21 12:00	07/29/21 19:40	1

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		07/29/21 16:22	08/02/21 01:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:25	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:25	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/29/21 16:22	08/02/21 01:25	1
o-Terphenyl	101		70 - 130				07/29/21 16:22	08/02/21 01:25	1

Method: 300.0 - Anions, Ion C	hromatography -	Soluble						
Analyte	Result Qualif	fier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.5	4.98	0.855	mg/Kg			07/30/21 20:53	1

Lab Sample ID: 890-1018-5 Client Sample ID: SB-42-2 Date Collected: 07/27/21 14:15 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
Ethylbenzene	0.00131	J	0.00201	0.000568	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
o-Xylene	0.000361	J	0.00201	0.000346	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
Total BTEX	0.00167	J	0.00402	0.00102	mg/Kg		07/29/21 12:00	07/29/21 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/29/21 12:00	07/29/21 20:00	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/29/21 12:00	07/29/21 20:00	1

Eurofins Xenco, Carlsbad

07/29/21 16:22 08/02/21 01:46

49.8

14.9 mg/Kg

<49.8 U

Job ID: 890-1018-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1018-5

07/29/21 16:22 08/02/21 01:46

Matrix: Solid

Client Sample ID: SB-42-2 Date Collected: 07/27/21 14:15

Date Received: 07/28/21 11:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8		49.8		mg/Kg	— <u>-</u>		08/02/21 01:46	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		07/29/21 16:22	08/02/21 01:46	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		07/29/21 16:22	08/02/21 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/29/21 16:22	08/02/21 01:46	1

Method: 300.0 - Anions, Ion C	Chromatography - Solubl	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.60	5.00	0.858 mg/Kg			07/30/21 20:58	1

70 - 130

Lab Sample ID: 890-1018-6 Client Sample ID: SB-42-4 Date Collected: 07/27/21 14:20 **Matrix: Solid**

Date Received: 07/28/21 11:45

o-Terphenyl

Method: 8021B - Volatile	Organic Compou	ınds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		07/29/21 12:00	07/29/21 20:21	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		07/29/21 12:00	07/29/21 20:21	1
Ethylbenzene	0.000700	J	0.00200	0.000564	mg/Kg		07/29/21 12:00	07/29/21 20:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 12:00	07/29/21 20:21	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		07/29/21 12:00	07/29/21 20:21	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 12:00	07/29/21 20:21	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 12:00	07/29/21 20:21	1

Surrogate	%Recovery Qualifier	Limits	Prepared An	nalyzed Dil Fac
4-Bromofluorobenzene (Surr)	112	70 - 130	07/29/21 12:00 07/29	7/21 20:21 1
1,4-Difluorobenzene (Surr)	98	70 - 130	07/29/21 12:00 07/29	9/21 20:21 1

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

8.25

Welliou. 60 136 NW - Diesel K	ange Organ	ica (DKO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.8	J	49.7	14.9	mg/Kg		07/29/21 16:22	08/02/21 02:07	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	14.9	mg/Kg		07/29/21 16:22	08/02/21 02:07	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7	14.9	mg/Kg		07/29/21 16:22	08/02/21 02:07	1
Total TPH	16.8	JB	49.7	14.9	mg/Kg		07/29/21 16:22	08/02/21 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/29/21 16:22	08/02/21 02:07	1

Method: 300.0 - Anions, Ion Chr	omatography - Soluble	9						
Analyte	Result Qualifier	, DI	MDL Unit	D	Prepared	Analyzed	Dil Fac	

5.00

0.858 mg/Kg

Eurofins Xenco, Carlsbad

07/30/21 21:03

Chloride

Client: GHD Services Inc.

o-Terphenyl

Job ID: 890-1018-1 SDG: 11220747

Project/Site: Flamenco #1

Date Received: 07/28/21 11:45

Client Sample ID: SB-42-10 Lab Sample ID: 890-1018-7 Date Collected: 07/27/21 14:25

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 12:00	07/29/21 20:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/29/21 12:00	07/29/21 20:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/29/21 12:00	07/29/21 20:41	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/29/21 16:22	08/02/21 02:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 02:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 02:27	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				07/29/21 16:22	08/02/21 02:27	1

Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		5.05	0.867	mg/Kg			07/30/21 21:09	1

70 - 130

106

<50.0 U

Lab Sample ID: 890-1018-8 Client Sample ID: SB-42-15 Date Collected: 07/27/21 14:30 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
o-Xylene	0.000529	J	0.00198	0.000341	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
Xylenes, Total	< 0.00397	U	0.00397	0.00100	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg		07/29/21 12:00	07/29/21 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/29/21 12:00	07/29/21 21:01	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/29/21 12:00	07/29/21 21:01	1

Eurofins Xenco, Carlsbad

07/29/21 16:22 08/02/21 02:48

50.0

15.0 mg/Kg

07/29/21 16:22 08/02/21 02:27

Gasoline Range Organics

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-42-15

Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-8 Date Collected: 07/27/21 14:30

Matrix: Solid

07/29/21 16:22 08/02/21 02:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	20.2	JB	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 02:48	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 02:48	1
Total TPH	20.2	JB	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/29/21 16:22	08/02/21 02:48	1

Method: 300.0 - Anions, Ion Ch	romatography - Solub	le						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	60.3 F1	4.98	0.855 mg/Kg			07/31/21 00:38		

70 - 130

Client Sample ID: SB-23-2 Lab Sample ID: 890-1018-9

Date Received: 07/28/21 11:45

o-Terphenyl

Date Collected: 07/27/21 15:00 **Matrix: Solid**

Method: 8021B - Volatile 0	Method: 8021B - Volatile Organic Compounds (GC)											
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Benzene	<0.00198 U	U	0.00198	0.000381	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			
Toluene	<0.00198 l	U	0.00198	0.000451	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			
Ethylbenzene	0.000637	J	0.00198	0.000559	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			
m-Xylene & p-Xylene	<0.00396 U	U	0.00396	0.00100	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			
o-Xylene	<0.00198 l	U	0.00198	0.000341	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			
Xylenes, Total	<0.00396 l	U	0.00396	0.00100	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			
Total BTEX	<0.00396 l	U	0.00396	0.00100	mg/Kg		07/29/21 12:00	07/29/21 21:22	1			

Surrogate	%Recovery Qualifier	Limits	Prepared A	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114	70 - 130	07/29/21 12:00 07/	29/21 21:22	1
1,4-Difluorobenzene (Surr)	98	70 - 130	07/29/21 12:00 07/	29/21 21:22	1

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

unge engan	ics (Ditc)	(33)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 03:09	1
21.1	JB	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 03:09	1
<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 03:09	1
21.1	JB	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 03:09	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
83		70 - 130				07/29/21 16:22	08/02/21 03:09	1
97		70 - 130				07/29/21 16:22	08/02/21 03:09	1
	Result <50.0 21.1 <50.0 21.1	Result Qualifier		Result Qualifier RL MDL <50.0	Result Qualifier RL MDL Unit <50.0	Result Qualifier RL MDL mg/Kg Unit mg/Kg D 21.1 JB 50.0 15.0 mg/Kg <50.0 U	Result Qualifier RL MDL mg/Kg Unit D mg/Kg Prepared 07/29/21 16:22 21.1 JB 50.0 15.0 mg/Kg 07/29/21 16:22 <50.0 U	Result Qualifier RL MDL mg/Kg Unit mg/Kg D mg/Kg Prepared 07/29/21 16:22 Analyzed 08/02/21 03:09 21.1 J B 50.0 15.0 mg/Kg 07/29/21 16:22 08/02/21 03:09 <50.0 U

Method: 300.0 - Anions, Ion C	hromatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.79		5.04	0.865	mg/Kg			07/31/21 00:55	1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-23-4 Date Collected: 07/27/21 15:05

Lab Sample ID: 890-1018-10

Date Received: 07/28/21 11:45

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
Ethylbenzene	0.000911	J	0.00200	0.000566	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
Xylenes, Total	< 0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 12:00	07/29/21 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/29/21 12:00	07/29/21 21:42	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/29/21 12:00	07/29/21 21:42	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 15.0 mg/Kg 07/29/21 16:22 08/02/21 03:30 (GRO)-C6-C10 **Diesel Range Organics (Over** 49.9 07/29/21 16:22 08/02/21 03:30 16.1 JB 15.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 15.0 mg/Kg 07/29/21 16:22 08/02/21 03:30 49.9 07/29/21 16:22 08/02/21 03:30 15.0 mg/Kg **Total TPH** 16.1 JB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 82 70 - 130 07/29/21 16:22 08/02/21 03:30

o-Terphenyl	94		70 - 130				07/29/21 16:22	08/02/21 03:30	1
Method: 300.0 - Anions, Ion C	Chromatogra	phy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		4.99	0.857	mg/Kg			07/31/21 01:00	1

Client Sample ID: SB-39-10 Lab Sample ID: 890-1018-11 Date Collected: 07/26/21 13:20 Matrix: Solid

Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
Ethylbenzene	0.000712	J	0.00199	0.000563	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 12:00	07/29/21 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/29/21 12:00	07/29/21 22:02	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/29/21 12:00	07/29/21 22:02	1
Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:12	1

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Job ID: 890-1018-1 SDG: 11220747

Project/Site: Flamenco #1

Client: GHD Services Inc.

Client Sample ID: SB-39-10 Date Collected: 07/26/21 13:20

Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-11

Matrix: Solid

motification for the first the	unge engan	ics (Ditc)	(30) (30)	ucuj					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:12	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:12	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/29/21 16:22	08/02/21 04:12	1
o-Terphenyl	99		70 - 130				07/29/21 16:22	08/02/21 04:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Prepared Analyte RL MDL Unit D Analyzed Dil Fac Chloride 4.95 0.850 mg/Kg 07/31/21 01:05 7.81

Client Sample ID: SB-39-15

Lab Sample ID: 890-1018-12

Date Collected: 07/26/21 13:25 **Matrix: Solid**

Date Received: 07/28/21 11:45

Method: 8021B - Volatile Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		07/29/21 12:00	07/29/21 22:23	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		07/29/21 12:00	07/29/21 22:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		07/29/21 12:00	07/29/21 22:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 12:00	07/29/21 22:23	1
o-Xylene	0.000345	J	0.00200	0.000343	mg/Kg		07/29/21 12:00	07/29/21 22:23	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 12:00	07/29/21 22:23	1
Total BTEX	< 0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 12:00	07/29/21 22:23	1

Surrogate	%Recovery Qualifier	Limits	Prepared An	alyzed Di	il Fac
4-Bromofluorobenzene (Surr)	111	70 - 130	07/29/21 12:00 07/29	/21 22:23	1
1,4-Difluorobenzene (Surr)	96	70 - 130	07/29/21 12:00 07/29	/21 22:23	1

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

Wethou, ou 136 NW - Diesel K	ange Organ	ics (DKO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:33	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:33	1
C10-C28) Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:33	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/29/21 16:22	08/02/21 04:33	1
o-Terphenyl	93		70 - 130				07/29/21 16:22	08/02/21 04:33	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9	5.02	0.862 mg/Kg		_	07/31/21 01:11	1

Date Collected: 07/26/21 09:30

Date Received: 07/28/21 11:45

1,4-Difluorobenzene (Surr)

Job ID: 890-1018-1 SDG: 11220747

07/29/21 13:38 07/30/21 02:00

Client: GHD Services Inc. Project/Site: Flamenco #1 Client Sample ID: SB-27-2

Lab Sample ID: 890-1018-13 **Matrix: Solid**

Method: 8021B - Volatile Organic Compounds (GC)

Welliou. 602 IB - Volatile Ol	rganic Compo	unas (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202	0.000388	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
Toluene	<0.00202	U F2 F1	0.00202	0.000460	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
Ethylbenzene	0.000600	J F2 F1	0.00202	0.000570	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
m-Xylene & p-Xylene	<0.00403	U F1	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
o-Xylene	0.000360	J F1	0.00202	0.000347	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
Xylenes, Total	<0.00403	U F1	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
Total BTEX	<0.00403	U F1	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/29/21 13:38	07/30/21 02:00	1

70 - 130

97

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/29/21 16:22	08/02/21 04:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:54	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				07/29/21 16:22	08/02/21 04:54	1
o-Terphenyl	99		70 - 130				07/29/21 16:22	08/02/21 04:54	1

Method: 300.0 - Anions, ion Ci	nromatograpny - Solubi	Đ					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.84	4.98	0.855 mg/Kg			07/31/21 01:27	1

Lab Sample ID: 890-1018-14 Client Sample ID: SB-27-4 Date Collected: 07/26/21 16:30

Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000492	J	0.00200	0.000384	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
Toluene	0.000749	J	0.00200	0.000455	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
m-Xylene & p-Xylene	0.00150	J	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
o-Xylene	0.00155	J	0.00200	0.000343	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
Xylenes, Total	0.00305	J	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
Total BTEX	0.00429		0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				07/29/21 13:38	07/30/21 02:20	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/29/21 13:38	07/30/21 02:20	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac <49.9 U 07/29/21 16:22 08/02/21 05:14 Gasoline Range Organics 49.9 15.0 mg/Kg (GRO)-C6-C10

Eurofins Xenco, Carlsbad

Matrix: Solid

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-27-4

Lab Sample ID: 890-1018-14

Date Collected: 07/26/21 16:30 Date Received: 07/28/21 11:45 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:14	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:14	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				07/29/21 16:22	08/02/21 05:14	1
o-Terphenyl	92		70 - 130				07/29/21 16:22	08/02/21 05:14	1

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride9.474.950.850mg/Kg07/31/21 01:321

Client Sample ID: SB-27-10

Lab Sample ID: 890-1018-15

Date Collected: 07/26/21 16:35

Matrix: Solid

Date Received: 07/28/21 11:45

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Method: 8021B - Volatile	Organic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 13:38	07/30/21 02:41	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		07/29/21 13:38	07/30/21 02:41	1
Ethylbenzene	0.00134	J	0.00199	0.000562	mg/Kg		07/29/21 13:38	07/30/21 02:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 13:38	07/30/21 02:41	1
o-Xylene	0.000455	J	0.00199	0.000342	mg/Kg		07/29/21 13:38	07/30/21 02:41	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 13:38	07/30/21 02:41	1
Total BTEX	0.00180	J	0.00398	0.00100	mg/Kg		07/29/21 13:38	07/30/21 02:41	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116	70 - 130	07/29/21 13:38	07/30/21 02:41	1
1,4-Difluorobenzene (Surr)	91	70 - 130	07/29/21 13:38	07/30/21 02:41	1

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

Method. 0013D MM - Diesel K	aliye Olyali	ica (DICO)	(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		07/29/21 16:22	08/02/21 05:35	1
Diesel Range Organics (Over C10-C28)	16.0	JB	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:35	1
Total TPH	16.0	JB	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				07/29/21 16:22	08/02/21 05:35	1
o-Terphenyl	94		70 - 130				07/29/21 16:22	08/02/21 05:35	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	779		5.04	0.865	mg/Kg			07/31/21 01:38	1

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-27-15

Lab Sample ID: 890-1018-16

Date Collected: 07/26/21 16:40 Matrix: Solid Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/29/21 13:38	07/30/21 03:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/29/21 13:38	07/30/21 03:01	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/29/21 16:22	08/02/21 05:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:56	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				07/29/21 16:22	08/02/21 05:56	1
o-Terphenyl	93		70 - 130				07/29/21 16:22	08/02/21 05:56	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	le						
Analyte	Result Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138	5.01	0.860 r	mg/Kg			07/31/21 01:43	1

Lab Sample ID: 890-1018-17 Client Sample ID: SB-20-2 Date Collected: 07/27/21 09:00 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/29/21 13:38	07/30/21 03:22	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/29/21 13:38	07/30/21 03:22	1

Eurofins Xenco, Carlsbad

07/29/21 16:22 08/02/21 06:17

50.0

15.0 mg/Kg

<50.0 U

Gasoline Range Organics

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-20-2

Lab Sample ID: 890-1018-17

Matrix: Solid

Date Collected: 07/27/21 09:00 Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:17	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:17	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				07/29/21 16:22	08/02/21 06:17	1
o-Terphenyl	89		70 - 130				07/29/21 16:22	08/02/21 06:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Prepared Analyzed Analyte RL MDL Unit D Dil Fac Chloride 4.98 0.855 mg/Kg 07/31/21 01:48 11.9

Lab Sample ID: 890-1018-18 Client Sample ID: SB-20-4

Date Collected: 07/27/21 09:05 **Matrix: Solid**

Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
o-Xylene	0.000353	J	0.00200	0.000345	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/29/21 13:38	07/30/21 03:42	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/29/21 13:38	07/30/21 03:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.4	J	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:38	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:38	•
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:38	1
Total TPH	15.4	JB	49.9	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:38	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	83		70 - 130				07/29/21 16:22	08/02/21 06:38	-
o-Terphenyl	92		70 - 130				07/29/21 16:22	08/02/21 06:38	1

Method: 300.0 - Anions, Ion Chi	romatograp	hy - Solub	le						
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.1		5.00	0.858	mg/Kg			07/31/21 01:54	1

Released to Imaging: 5/2/2022 3:37:29 PM

(GRO)-C6-C10

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-20-10 Lab Sample ID: 890-1018-19

Date Collected: 07/27/21 09:10 Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000507	J	0.00201	0.000387	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
Toluene	0.00117	J	0.00201	0.000458	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
Ethylbenzene	0.000736	J	0.00201	0.000567	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
o-Xylene	0.000783	J	0.00201	0.000345	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
Total BTEX	0.00320	J	0.00402	0.00101	mg/Kg		07/29/21 13:38	07/30/21 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				07/29/21 13:38	07/30/21 04:02	1
1,4-Difluorobenzene (Surr)	72		70 - 130				07/29/21 13:38	07/30/21 04:02	1

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		07/29/21 16:22	08/02/21 06:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:59	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	07/29/21 16:22	08/02/21 06:59	1
o-Terphenyl	99		70 - 130	07/29/21 16:22	08/02/21 06:59	1
Method: 300.0 - Anions Ion Ch	romatogra	nhy - Solu	hle			

Chromatography Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Analyte 4.99 0.857 mg/Kg 07/31/21 02:10 **Chloride** 165

Client Sample ID: SB-20-15 Lab Sample ID: 890-1018-20 Date Collected: 07/27/21 09:15 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000505	J	0.00200	0.000386	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
Ethylbenzene	0.00114	J	0.00200	0.000566	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
o-Xylene	0.000966	J	0.00200	0.000345	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
Xylenes, Total	< 0.00401	U	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
Total BTEX	0.00261	J	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				07/29/21 13:38	07/30/21 04:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/29/21 13:38	07/30/21 04:23	1
Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 07:20	

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Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-20-15

Lab Sample ID: 890-1018-20

Date Collected: 07/27/21 09:15 Date Received: 07/28/21 11:45

Matrix: Solid

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC) (Contin	ued)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 07:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 07:20	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/29/21 16:22	08/02/21 07:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				07/29/21 16:22	08/02/21 07:20	1

Prepared D Analyzed Dil Fac

07/29/21 16:22 08/02/21 07:20

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Chloride 2400 25.2 4.33 mg/Kg 07/31/21 02:15

70 - 130

100

Client Sample ID: SB-17-2 Lab Sample ID: 890-1018-21 Date Collected: 07/26/21 09:20 **Matrix: Solid**

Date Received: 07/28/21 11:45

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		07/29/21 13:38	07/30/21 04:43	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		07/29/21 13:38	07/30/21 04:43	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		07/29/21 13:38	07/30/21 04:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		07/29/21 13:38	07/30/21 04:43	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		07/29/21 13:38	07/30/21 04:43	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		07/29/21 13:38	07/30/21 04:43	1
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg		07/29/21 13:38	07/30/21 04:43	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118	70 - 130	07/29/21 13:38	07/30/21 04:43	1
1,4-Difluorobenzene (Surr)	89	70 - 130	07/29/21 13:38	07/30/21 04:43	1

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

Method, ou lob Mili - Diesel IX	ange Organ	ics (Dito)	(00)						
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		07/30/21 13:47	07/31/21 13:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 13:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 13:03	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/30/21 13:47	07/31/21 13:03	1
o-Terphenyl	107		70 - 130				07/30/21 13:47	07/31/21 13:03	1

		nromatogra	phy - Solub	le						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	10.2		5.02	0.862	mg/Kg			07/31/21 02:32	1

Client: GHD Services Inc.

Released to Imaging: 5/2/2022 3:37:29 PM

(GRO)-C6-C10

Job ID: 890-1018-1 SDG: 11220747

Project/Site: Flamenco #1 Client Sample ID: SB-17-4 Lab Sample ID: 890-1018-22

Date Collected: 07/26/21 11:30 Matrix: Solid Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000583	J	0.00200	0.000386	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
Toluene	0.00283		0.00200	0.000457	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
Ethylbenzene	0.000943	J	0.00200	0.000566	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
m-Xylene & p-Xylene	0.00209	J	0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
o-Xylene	0.00264		0.00200	0.000345	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
Xylenes, Total	0.00473		0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
Total BTEX	0.00909		0.00401	0.00101	mg/Kg		07/29/21 13:38	07/30/21 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130				07/29/21 13:38	07/30/21 05:04	1
1,4-Difluorobenzene (Surr)	89		70 - 130				07/29/21 13:38	07/30/21 05:04	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/30/21 13:47	07/31/21 14:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:07	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:07	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/30/21 13:47	07/31/21 14:07	1
o-Terphenyl	107		70 - 130				07/30/21 13:47	07/31/21 14:07	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	ole						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.38	5.00	0.858	mg/Kg			07/31/21 02:37	1

Lab Sample ID: 890-1018-23 **Client Sample ID: SB-17-10** Date Collected: 07/26/21 11:35 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
Ethylbenzene	0.000644	J	0.00202	0.000570	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
o-Xylene	0.000380	J	0.00202	0.000347	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
Xylenes, Total	< 0.00403	U	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
Total BTEX	0.00102	J	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 06:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				07/29/21 13:38	07/30/21 06:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/29/21 13:38	07/30/21 06:53	1
Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:28	

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-17-10

Lab Sample ID: 890-1018-23

Date Collected: 07/26/21 11:35 Date Received: 07/28/21 11:45 Matrix: Solid

Method: 8015B NM - Di	esel Range Organics (DI	₹O) (GC) (Cont	inued)
Analyte	Result Qualifi	er RL	MD

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:28	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:28	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				07/30/21 13:47	07/31/21 14:28	1

o-Terphenyl	104		70 - 130				07/30/21 13:47	07/31/21 14:28	1
Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.58		4.98	0.855	mg/Kg			07/31/21 02:42	1

Client Sample ID: SB-17-15

Lab Sample ID: 890-1018-24

Date Collected: 07/26/21 11:40 Date Received: 07/28/21 11:45

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		07/29/21 13:38	07/30/21 07:13	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		07/29/21 13:38	07/30/21 07:13	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		07/29/21 13:38	07/30/21 07:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 13:38	07/30/21 07:13	1
o-Xylene	0.000640	J	0.00201	0.000345	mg/Kg		07/29/21 13:38	07/30/21 07:13	1
Xylenes, Total	< 0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 13:38	07/30/21 07:13	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		07/29/21 13:38	07/30/21 07:13	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116	70 - 130	07/29/21 13:38	07/30/21 07:13	1
1,4-Difluorobenzene (Surr)	97	70 - 130	07/29/21 13:38	07/30/21 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:49	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:49	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/30/21 13:47	07/31/21 14:49	1
o-Terphenyl	100		70 - 130				07/30/21 13:47	07/31/21 14:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble
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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101	4.95	0.850 mg/Kg			07/31/21 02:48	1

Project/Site: Flamenco #1 SDG: 11220747 Client Sample ID: SB-13-2 Lab Sample ID: 890-1018-25

Matrix: Solid

Date Collected: 07/25/21 09:00 Date Received: 07/28/21 11:45

Client: GHD Services Inc.

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00183	J	0.00200	0.000384	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
Ethylbenzene	0.00188	J	0.00200	0.000564	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
m-Xylene & p-Xylene	0.00432		0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
o-Xylene	0.00709		0.00200	0.000343	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
Xylenes, Total	0.0114		0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
Total BTEX	0.0151		0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 07:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				07/29/21 13:38	07/30/21 07:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/29/21 13:38	07/30/21 07:34	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/30/21 13:47	07/31/21 15:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		07/30/21 13:47	07/31/21 15:10	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		07/30/21 13:47	07/31/21 15:10	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		07/30/21 13:47	07/31/21 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/30/21 13:47	07/31/21 15:10	1
o-Terphenyl	114		70 - 130				07/30/21 13:47	07/31/21 15:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.77		4.95	0.850	mg/Kg			07/31/21 02:53	1

Lab Sample ID: 890-1018-27 **Client Sample ID: SB-13-10** Date Collected: 07/25/21 09:10 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
o-Xylene	0.000388	J	0.00202	0.000347	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		07/29/21 13:38	07/30/21 08:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/29/21 13:38	07/30/21 08:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/29/21 13:38	07/30/21 08:14	1
Method: 8015B NM - Diese	Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

07/30/21 13:47 07/31/21 15:52 Gasoline Range Organics <49.9 U 49.9 15.0 mg/Kg (GRO)-C6-C10

Client: GHD Services Inc. Job ID: 890-1018-1 SDG: 11220747 Project/Site: Flamenco #1

Client Sample ID: SB-13-10 Date Collected: 07/25/21 09:10

Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-27

Matrix: Solid

 Discal Bango Organico (DBO) (CC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 15:52	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 15:52	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				07/30/21 13:47	07/31/21 15:52	1
o-Terphenyl	111		70 - 130				07/30/21 13:47	07/31/21 15:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8.72		4.96	0.851	mg/Kg			07/31/21 03:04	1	

Lab Sample ID: 890-1018-29 Client Sample ID: SB-39-2 **Matrix: Solid**

Date Collected: 07/26/21 09:25

Date Received: 07/28/21 11:45

Method: 8021B - Volatile Organic Compounds (G	C)
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		07/29/21 13:38	07/30/21 08:55	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		07/29/21 13:38	07/30/21 08:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		07/29/21 13:38	07/30/21 08:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 08:55	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		07/29/21 13:38	07/30/21 08:55	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 08:55	1
Total BTEX	< 0.00399	U	0.00399	0.00101	mg/Kg		07/29/21 13:38	07/30/21 08:55	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111	70 - 130	07/29/21 13:38	07/30/21 08:55	1
1,4-Difluorobenzene (Surr)	96	70 - 130	07/29/21 13:38	07/30/21 08:55	1

Method: 8015B NM - Diesei R Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0		mg/Kg			07/31/21 16:13	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 16:13	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 16:13	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/30/21 13:47	07/31/21 16:13	1
o-Terphenyl	102		70 - 130				07/30/21 13:47	07/31/21 16:13	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.36	4.95	0.850 mg/Kg		_	07/31/21 06:02	1

Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-39-4

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 07/26/21 13:15 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-30

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
Ethylbenzene	0.000622	J	0.00199	0.000563	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		07/29/21 13:38	07/30/21 09:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/29/21 13:38	07/30/21 09:16	1
1,4-Difluorobenzene (Surr)	98		70 - 130				07/29/21 13:38	07/30/21 09:16	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL **MDL** Unit Prepared **Analyzed** Gasoline Range Organics <50.0 U 50.0 15.0 mg/Kg 07/30/21 13:47 07/31/21 16:34 (GRO)-C6-C10 <50.0 U 50.0 15.0 mg/Kg 07/30/21 13:47 07/31/21 16:34 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 07/30/21 13:47 07/31/21 16:34 Total TPH <50.0 U 50.0 07/30/21 13:47 07/31/21 16:34 15.0 mg/Kg Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 70 - 130 07/30/21 13:47 07/31/21 16:34 102

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Method: 300.0 - Anions, Ion Chro	matography - Soluble	•						
o-Terphenyl	110	70 - 130		(07/30/21 13:47	07/31/21 16:34	1	

Client Sample ID: SB-23-10 Lab Sample ID: 890-1018-31 Date Collected: 07/27/21 15:10 **Matrix: Solid**

5.05

0.867 mg/Kg

15.0 mg/Kg

7.86

<49.9 U

Date Received: 07/28/21 11:45

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		07/29/21 13:38	07/30/21 09:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/29/21 13:38	07/30/21 09:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/29/21 13:38	07/30/21 09:36	1

Eurofins Xenco, Carlsbad

07/30/21 13:47 07/31/21 16:55

49.9

07/31/21 06:07

Gasoline Range Organics

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-23-10 Date Collected: 07/27/21 15:10

Lab Sample ID: 890-1018-31

Date Received: 07/28/21 11:45

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 16:55	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 16:55	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/30/21 13:47	07/31/21 16:55	1
o-Terphenyl	115		70 - 130				07/30/21 13:47	07/31/21 16:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 4.97 0.853 mg/Kg 07/31/21 06:12 11.4

Client Sample ID: SB-13-4

Lab Sample ID: 890-1018-32

07/30/21 09:30 07/31/21 00:44

Date Collected: 07/25/21 09:05

Matrix: Solid

Date Received: 07/28/21 11:45

Total BTEX

Method: 8021B - Volatile	Organic Compou	ınds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		07/30/21 09:30	07/31/21 00:44	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		07/30/21 09:30	07/31/21 00:44	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		07/30/21 09:30	07/31/21 00:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		07/30/21 09:30	07/31/21 00:44	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		07/30/21 09:30	07/31/21 00:44	1
Xvlenes Total	< 0.00404	U	0 00404	0.00102	ma/Ka		07/30/21 09:30	07/31/21 00:44	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126	70 - 130	07/30/21 09:30 07/31/21 00:44	1
1,4-Difluorobenzene (Surr)	103	70 - 130	07/30/21 09:30 07/31/21 00:44	1

0.00404

0.00102 mg/Kg

Method: 8015B NM -	 Diesel Range 	Org	ani	CS	(DRO)	(GC)	
		_		_			

<0.00404 U

Method: 8015B NM - Diesei R	ange Organ	ICS (DRU)	(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		07/30/21 13:47	07/31/21 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 17:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 17:38	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/30/21 13:47	07/31/21 17:38	1
o-Terphenvl	103		70 - 130				07/30/21 13:47	07/31/21 17:38	1

Method: 300.0 - Anions, Ion Cl	nromatogra	phy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		5.01	0.860	mg/Kg			07/31/21 07:49	1

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-13-18 Lab Sample ID: 890-1018-35

Date Collected: 07/25/21 09:25 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
Xylenes, Total	< 0.00401	U	0.00401	0.00101	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		07/30/21 09:30	07/31/21 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/30/21 09:30	07/31/21 01:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/30/21 09:30	07/31/21 01:45	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/30/21 13:47	07/31/21 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 18:20	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 18:20	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/30/21 13:47	07/31/21 18:20	1
o-Terphenyl	112		70 - 130				07/30/21 13:47	07/31/21 18:20	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	le						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.6	5.00	0.858	mg/Kg			07/31/21 08:06	1

Lab Sample ID: 890-1018-36 Client Sample ID: SB-13-30 Date Collected: 07/25/21 09:30 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		07/30/21 09:30	07/31/21 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/21 09:30	07/31/21 02:06	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/30/21 09:30	07/31/21 02:06	1

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07/30/21 13:47 07/31/21 18:41

49.9

15.0 mg/Kg

<49.9 U

Gasoline Range Organics

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-13-30

Lab Sample ID: 890-1018-36

07/30/21 09:30 07/31/21 02:26

Matrix: Solid

Date Collected: 07/25/21 09:30 Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 18:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 18:41	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				07/30/21 13:47	07/31/21 18:41	1
o-Terphenyl	109		70 - 130				07/30/21 13:47	07/31/21 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Prepared Analyte RL MDL Unit D Analyzed Dil Fac Chloride 190 F1 4.95 0.850 mg/Kg 07/31/21 08:11

Client Sample ID: SB-40-2 Lab Sample ID: 890-1018-37 Date Collected: 07/26/21 16:50 **Matrix: Solid**

Date Received: 07/28/21 11:45

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/30/21 09:30	07/31/21 02:26	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		07/30/21 09:30	07/31/21 02:26	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		07/30/21 09:30	07/31/21 02:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 02:26	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		07/30/21 09:30	07/31/21 02:26	1
Xylenes, Total	< 0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 02:26	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101	70 - 130	07/30/21 09:30	07/31/21 02:26	1
1,4-Difluorobenzene (Surr)	102	70 - 130	07/30/21 09:30	07/31/21 02:26	1

0.00398

0.00101 mg/Kg

Method:	8015B	NM -	Diesel	Range	Org	ani	CS	(DRO)	(GC)
					_		_		

<0.00398 U

		()	(/						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:02	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:02	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				07/30/21 13:47	07/31/21 19:02	1
o-Terphenyl	107		70 - 130				07/30/21 13:47	07/31/21 19:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	12.3		5.04	0.865	mg/Kg			07/31/21 08:27	1

Client: GHD Services Inc.

Job ID: 890-1018-1 SDG: 11220747

Project/Site: Flamenco #1 Client Sample ID: SB-40-4 Lab Sample ID: 890-1018-38

Date Collected: 07/26/21 16:55 **Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/30/21 09:30	07/31/21 02:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130				07/30/21 09:30	07/31/21 02:46	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:23	1
(GRO)-C6-C10									
<u> </u>	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:23	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0 <50.0		50.0 50.0		mg/Kg mg/Kg			07/31/21 19:23 07/31/21 19:23	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U		15.0			07/30/21 13:47		1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:23	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 <50.0	U	50.0 50.0	15.0	mg/Kg		07/30/21 13:47 07/30/21 13:47	07/31/21 19:23 07/31/21 19:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9	4.97	0.853	mg/Kg			07/31/21 08:33	1

Lab Sample ID: 890-1018-39 Client Sample ID: SB-40-10 Date Collected: 07/26/21 17:00 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
Xylenes, Total	< 0.00396	U	0.00396	0.00100	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg		07/30/21 09:30	07/31/21 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/30/21 09:30	07/31/21 03:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130				07/30/21 09:30	07/31/21 03:07	1

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07/30/21 13:47 07/31/21 19:44

50.0

15.0 mg/Kg

<50.0 U

Gasoline Range Organics

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-40-10

Lab Sample ID: 890-1018-39

Date Collected: 07/26/21 17:00 Date Received: 07/28/21 11:45

Matrix: Solid

Method: 8015B NM - Diesel Ra	inge Organi	ics (DRO) ((GC) (Continu	ied)	
Analyte	Result	Qualifier	RL	MDL	Unit
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/K

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:44	1
	C10-C28)									
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:44	1
	Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 19:44	1
	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
ı	1 Chlorocotono	100		70 120				07/20/21 12:17	07/21/21 10:44	

o-Terphenyl	110	70 - 130			07/30/21 13:47	07/31/21 19:44	1
Method: 300.0 - Anions, Ion C	hromatography - Solu	ble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	649	4.99	0.857 mg/Kg			07/31/21 08:49	1

Lab Sample ID: 890-1018-40 Client Sample ID: SB-40-15 Date Collected: 07/26/21 17:05

Date Received: 07/28/21 11:45

Matrix: Solid

Method: 8021B - Volatile	Organic Compou	nds (GC)							
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		07/30/21 09:30	07/31/21 03:27	1
Toluene	<0.00200 U	U	0.00200	0.000456	mg/Kg		07/30/21 09:30	07/31/21 03:27	1
Ethylbenzene	<0.00200 U	U	0.00200	0.000565	mg/Kg		07/30/21 09:30	07/31/21 03:27	1
m-Xylene & p-Xylene	<0.00400 U	U	0.00400	0.00101	mg/Kg		07/30/21 09:30	07/31/21 03:27	1
o-Xylene	<0.00200 U	U	0.00200	0.000344	mg/Kg		07/30/21 09:30	07/31/21 03:27	1
Xylenes, Total	<0.00400 U	U	0.00400	0.00101	mg/Kg		07/30/21 09:30	07/31/21 03:27	1
Total BTEX	<0.00400 U	U	0.00400	0.00101	mg/Kg		07/30/21 09:30	07/31/21 03:27	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122	70 - 130	07/30/21 09:30	07/31/21 03:27	1
1,4-Difluorobenzene (Surr)	93	70 - 130	07/30/21 09:30	07/31/21 03:27	1

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

Method: 0013B NW - Dieser Kange Organics (BRO) (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		07/30/21 13:47	07/31/21 20:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:05	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/30/21 13:47	07/31/21 20:05	1
o-Terphenyl	114		70 - 130				07/30/21 13:47	07/31/21 20:05	1

Method: 300.0 - Anions, Ion Ch	nromatography - So	luble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0	5.00	0.858 mg/Kg			07/31/21 08:54	1

Job ID: 890-1018-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1018-42

Matrix: Solid

Client Sample ID: SB-21-2 Date Collected: 07/27/21 10:30

Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
Xylenes, Total	< 0.00403	U	0.00403	0.00102	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		07/30/21 09:30	07/31/21 05:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				07/30/21 09:30	07/31/21 05:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/30/21 09:30	07/31/21 05:09	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		07/30/21 13:47	07/31/21 20:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:26	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/30/21 13:47	07/31/21 20:26	1
o-Terphenyl	122		70 - 130				07/30/21 13:47	07/31/21 20:26	1

Method: 300.0 - Anions, Ion C	hromatography - Soluk	ole						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.2	4.98	0.855	mg/Kg			07/31/21 08:59	1

Lab Sample ID: 890-1018-43 Client Sample ID: SB-21-4 Date Collected: 07/27/21 10:35 **Matrix: Solid** Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		07/30/21 09:30	07/31/21 05:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/30/21 09:30	07/31/21 05:29	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/30/21 09:30	07/31/21 05:29	1

Eurofins Xenco, Carlsbad

07/30/21 13:47 07/31/21 20:47

50.0

15.0 mg/Kg

<50.0 U

Gasoline Range Organics

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-21-4 Lab Sample ID: 890-1018-43

Matrix: Solid

Date Collected: 07/27/21 10:35 Date Received: 07/28/21 11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:47	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:47	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/30/21 13:47	07/31/21 20:47	1
o-Terphenyl	114		70 - 130				07/30/21 13:47	07/31/21 20:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	157		4.99	0.857	mg/Kg			07/31/21 09:05	1

Lab Sample ID: 890-1018-44 **Client Sample ID: SB-21-10** Date Collected: 07/27/21 10:40 **Matrix: Solid**

Date Received: 07/28/21 11:45

Analyte	Result Q	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201 U	J	0.00201	0.000387	mg/Kg		07/30/21 09:30	07/31/21 05:50	1
Toluene	<0.00201 U	J	0.00201	0.000458	mg/Kg		07/30/21 09:30	07/31/21 05:50	1
Ethylbenzene	<0.00201 U	J	0.00201	0.000567	mg/Kg		07/30/21 09:30	07/31/21 05:50	1
m-Xylene & p-Xylene	<0.00402 U	J	0.00402	0.00101	mg/Kg		07/30/21 09:30	07/31/21 05:50	1
o-Xylene	<0.00201 U	J	0.00201	0.000345	mg/Kg		07/30/21 09:30	07/31/21 05:50	1
Xylenes, Total	<0.00402 U	J	0.00402	0.00101	mg/Kg		07/30/21 09:30	07/31/21 05:50	1
Total BTEX	<0.00402 U	j	0.00402	0.00101	mg/Kg		07/30/21 09:30	07/31/21 05:50	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106	70 - 130	07/30/21 09:30	07/31/21 05:50	1
1,4-Difluorobenzene (Surr)	72	70 - 130	07/30/21 09:30	07/31/21 05:50	1

Method:	8015B	NM -	Diesel	Range	Org	ani	CS	(DRO)	(GC)
					_		_		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:13	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:13	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				07/30/21 14:36	07/31/21 16:13	1
o-Terphenyl	112		70 - 130				07/30/21 14:36	07/31/21 16:13	1

Method: 300.0 - Anions, Ion Cl	hromatography - Soluble	9					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7080	49 9	8.57 mg/Kg			07/31/21 09:10	10

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-21-20

Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-46 Date Collected: 07/27/21 10:50

Matrix: Solid

Method: 8021B - Volatile	Organic Compounds (GC)
Analyte	Result Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
Ethylbenzene	< 0.00199	U	0.00199	0.000562	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
Xylenes, Total	< 0.00398	U	0.00398	0.00100	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		07/30/21 09:30	07/31/21 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 Dramaficarahanzana (Curr)	100		70 120				07/20/24 00:20	07/24/24 06:24	

Surrogate	%Recovery Qualifi	er Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122	70 - 130	07/30/21 09:30	07/31/21 06:31	1
1,4-Difluorobenzene (Surr)	93	70 - 130	07/30/21 09:30	07/31/21 06:31	1

motilogi co lob lim biocol it	ango organ	.00 (5.10)	(00)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.3	J	49.9	15.0	mg/Kg		08/03/21 15:37	08/04/21 00:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/03/21 15:37	08/04/21 00:40	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/03/21 15:37	08/04/21 00:40	1
Total TPH	25.3	J	49.9	15.0	mg/Kg		08/03/21 15:37	08/04/21 00:40	1
Surrogato	%Pacayary	Qualifier	Limite				Propared	Analyzod	Dil Esc

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/03/21 15:37	08/04/21 00:40	1
o-Terphenyl	90		70 - 130	08/03/21 15:37	08/04/21 00:40	1
_						

Method:	300.0 - Anions	, Ion Chromatography -	Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4850	25.0	4.29 mg/Kg			08/05/21 04:37	5

Client Sample ID: SB-32-2 Lab Sample ID: 890-1018-47 Date Collected: 07/27/21 15:20

Date Received: 07/28/21 11:45

Method: 8021B - Volatile Organic Compounds (GC)	•
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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
Toluene	< 0.00202	U	0.00202	0.000461	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
Ethylbenzene	< 0.00202	U	0.00202	0.000571	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
o-Xylene	< 0.00202	U	0.00202	0.000347	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
Xylenes, Total	< 0.00404	U	0.00404	0.00102	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		07/30/21 09:30	07/31/21 06:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/30/21 09:30	07/31/21 06:51	1
1 4-Diffuorobenzene (Surr)	94		70 130				07/30/21 09:30	07/31/21 06:51	1

1,4-Difluorobenzene (Surr)	94	70 - 130			17/30/21 09.30	07/31/21 06:51	,
Method: 8015B NM - Diesel Range	Organics (DRO) (0	SC)					
Analyte	Result Qualifier	RI	MDL Unit	D	Prepared	Analyzed	Dil Fac

50.0

<50.0 U

15.0 mg/Kg

(GRO)-C6-C10

Gasoline Range Organics

Eurofins Xenco, Carlsbad

07/30/21 14:36 07/31/21 16:34

Matrix: Solid

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-32-2 Date Collected: 07/27/21 15:20

Lab Sample ID: 890-1018-47

Matrix: Solid

Date Received: 07/28/21	11:45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:34	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:34	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				07/30/21 14:36	07/31/21 16:34	1
o-Terphenyl	115		70 - 130				07/30/21 14:36	07/31/21 16:34	1

Chloride 9.39 4.99 0.857 mg/Kg 07/31/21 23:48 Client Sample ID: SB-32-4 Lab Sample ID: 890-1018-48

RL

MDL Unit

Date Collected: 07/27/21 15:25

Result Qualifier

Matrix: Solid

Analyzed

Prepared

Date Received: 07/28/21 11:45

Analyte

Method: 8021B - Volatile	Organic Compou	ınds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		07/30/21 09:30	07/31/21 07:12	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		07/30/21 09:30	07/31/21 07:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		07/30/21 09:30	07/31/21 07:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		07/30/21 09:30	07/31/21 07:12	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		07/30/21 09:30	07/31/21 07:12	1
Xylenes, Total	< 0.00401	U	0.00401	0.00101	mg/Kg		07/30/21 09:30	07/31/21 07:12	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		07/30/21 09:30	07/31/21 07:12	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzo	ed Dil Fac
4-Bromofluorobenzene (Surr)	113	70 - 130	07/30/21 09:30 07/31/21 0	7:12 1
1,4-Difluorobenzene (Surr)	94	70 - 130	07/30/21 09:30 07/31/21 0)7:12 1

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

Method. Of 13D MM - Diesel Ka	ange Organ	ica (DICO)	(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		07/30/21 14:36	07/31/21 16:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:55	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		07/30/21 14:36	07/31/21 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				07/30/21 14:36	07/31/21 16:55	1
o-Terphenyl	120		70 - 130				07/30/21 14:36	07/31/21 16:55	1

Method: 300.0 - Anions, Ion Ch	nromatography - Solu	ble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0	4 98	0.855 mg/Kg			07/31/21 23:54	

Eurofins Xenco, Carlsbad

Dil Fac

Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-32-10

Date Collected: 07/27/21 15:30 Date Received: 07/28/21 11:45

Client: GHD Services Inc.

Project/Site: Flamenco #1

Lab Sample ID: 890-1018-49

Matrix: Solid

Method: 8021B - Volatile O	rganic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
Toluene	< 0.00201	U	0.00201	0.000459	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
Ethylbenzene	< 0.00201	U	0.00201	0.000568	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
Xylenes, Total	< 0.00402	U	0.00402	0.00102	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg		07/30/21 09:30	07/31/21 07:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/30/21 09:30	07/31/21 07:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/30/21 09:30	07/31/21 07:32	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 15.0 mg/Kg 07/30/21 14:36 07/31/21 17:38 (GRO)-C6-C10 <50.0 U 50.0 07/30/21 14:36 07/31/21 17:38 Diesel Range Organics (Over 15.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 07/30/21 14:36 07/31/21 17:38 Total TPH <50.0 U 50.0 07/30/21 14:36 07/31/21 17:38 15.0 mg/Kg

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	07/30/21 14:36	07/31/21 17:38	1
o-Terphenyl	113		70 - 130	07/30/21 14:36	07/31/21 17:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Date Received: 07/28/21 11:45

ı	Analyte	Result	Qualifier	KL	MDL	Unit	L	,	Prepared	Analyzed	DII Fac
	Chloride	91.3		5.04	0.865	mg/Kg				07/31/21 23:59	1

Lab Sample ID: 890-1018-50 Client Sample ID: SB-32-15 Date Collected: 07/27/21 15:35 Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Benzene <0.00202 U 0.00202 0.000388 mg/Kg 07/30/21 09:30 07/31/21 07:52 Toluene <0.00202 U 0.00202 0.000460 mg/Kg 07/30/21 09:30 07/31/21 07:52 Ethylbenzene <0.00202 U 0.00202 0.000570 mg/Kg 07/30/21 09:30 07/31/21 07:52 0.00102 mg/Kg 07/30/21 09:30 07/31/21 07:52 m-Xylene & p-Xylene <0.00403 U 0.00403 o-Xylene <0.00202 U 0.00202 0.000347 mg/Kg 07/30/21 09:30 07/31/21 07:52 Xylenes, Total <0.00403 U 0.00403 0.00102 mg/Kg 07/30/21 09:30 07/31/21 07:52 Total BTEX <0.00403 U 0.00403 0.00102 mg/Kg 07/30/21 09:30 07/31/21 07:52 %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 104 70 - 130 07/30/21 09:30 07/31/21 07:52 1,4-Difluorobenzene (Surr) 95 70 - 130 07/30/21 09:30 07/31/21 07:52

Method: 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 17:59	1
(GRO)-C6-C10									

Client Sample Results

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

Client Sample ID: SB-32-15

Date Collected: 07/27/21 15:35 Date Received: 07/28/21 11:45

Analyte

Chloride

Lab Sample ID: 890-1018-50

Analyzed

08/01/21 00:05

Prepared

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 17:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 17:59	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				07/30/21 14:36	07/31/21 17:59	1
o-Terphenyl	117		70 - 130				07/30/21 14:36	07/31/21 17:59	1

RL

5.00

MDL Unit

0.858 mg/Kg

Result Qualifier

224

5

8

9

Dil Fac

10

12

14

Surrogate Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Davisant Cumanata Dassuari (Assurtance Limita)	
		BFB1	Percent Surrogate Recovery (Acceptance Limits) DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1018-1	SB-41-2	113	104	
890-1018-2	SB-41-4	148 S1+	89	
890-1018-3	SB-41-10	120	88	
390-1018-4	SB-41-15	113	93	
890-1018-5	SB-42-2	107	99	
890-1018-6	SB-42-4	112	98	
890-1018-7	SB-42-10	116	99	
390-1018-8	SB-42-15	114	94	
890-1018-9	SB-23-2	114	98	
390-1018-10	SB-23-4	114	98	
890-1018-11	SB-39-10	112	99	
890-1018-12	SB-39-15	111	96	
890-1018-13	SB-27-2	109	97	
890-1018-13 MS	SB-27-2	89	98	
890-1018-13 MSD	SB-27-2	112	94	
390-1018-14	SB-27-4	149 S1+	90	
390-1018-15	SB-27-10	116	91	
390-1018-16	SB-27-15	111	97	
390-1018-17	SB-20-2	111	97	
390-1018-18	SB-20-4	116	97	
390-1018-19	SB-20-10	138 S1+	72	
390-1018-20	SB-20-15	134 S1+	88	
390-1018-21	SB-17-2	118	89	
390-1018-22	SB-17-4	156 S1+	89	
390-1018-23	SB-17-10	106	92	
390-1018-24	SB-17-15	116	97	
390-1018-25	SB-13-2	138 S1+	92	
390-1018-27	SB-13-10	119	95	
390-1018-29	SB-39-2	111	96	
390-1018-30	SB-39-4	115	98	
390-1018-31	SB-23-10	112	100	
390-1018-32	SB-13-4	126	103	
390-1018-32 MS	SB-13-4	113	106	
390-1018-32 MSD	SB-13-4	119	107	
390-1018-35	SB-13-18	114	90	
390-1018-36	SB-13-30	115	92	
390-1018-37	SB-40-2	101	102	
390-1018-38	SB-40-4	96	99	
390-1018-39	SB-40-10	114	95	
390-1018-40	SB-40-15	122	93	
390-1018-42	SB-21-2	108	94	
390-1018-43	SB-21-4	118	92	
390-1018-44	SB-21-10	106	72	
390-1018-46	SB-21-20	122	93	
390-1018-47	SB-32-2	112	94	
390-1018-48	SB-32-4	113	94	
390-1018-49	SB-32-10	114	93	
390-1018-50	SB-32-15	104	95	
LCS 880-5758/1-A	Lab Control Sample	93	94	

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Surrogate Summary

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)					
		BFB1	DFBZ1					
Lab Sample ID	Client Sample ID	(70-130)	(70-130)					
LCS 880-5821/1-A	Lab Control Sample	100	93					
LCS 880-5832/1-A	Lab Control Sample	113	104					
LCSD 880-5758/2-A	Lab Control Sample Dup	97	87					
LCSD 880-5821/2-A	Lab Control Sample Dup	109	87					
LCSD 880-5832/2-A	Lab Control Sample Dup	105	103					
MB 880-5758/5-A	Method Blank	112	94					
MB 880-5818/5-A	Method Blank	105	92					
MB 880-5821/5-A	Method Blank	117	90					
MB 880-5832/5-A	Method Blank	115	91					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

			Percent Surrogate R	Recovery (Acceptance Limits)
		1001	OTPH1	, (,
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1018-1	SB-41-2	89	95	
390-1018-1 MS	SB-41-2	87	91	
390-1018-1 MSD	SB-41-2	85	87	
390-1018-2	SB-41-4	88	99	
390-1018-3	SB-41-10	85	96	
390-1018-4	SB-41-15	87	101	
390-1018-5	SB-42-2	83	97	
390-1018-6	SB-42-4	83	93	
390-1018-7	SB-42-10	92	106	
390-1018-8	SB-42-15	85	96	
390-1018-9	SB-23-2	83	97	
390-1018-10	SB-23-4	82	94	
390-1018-11	SB-39-10	86	99	
390-1018-12	SB-39-15	81	93	
390-1018-13	SB-27-2	82	99	
390-1018-14	SB-27-4	80	92	
390-1018-15	SB-27-10	82	94	
390-1018-16	SB-27-15	81	93	
390-1018-17	SB-20-2	76	89	
390-1018-18	SB-20-4	83	92	
390-1018-19	SB-20-10	87	99	
390-1018-20	SB-20-15	87	100	
390-1018-21	SB-17-2	97	107	
390-1018-21 MS	SB-17-2	86	87	
390-1018-21 MSD	SB-17-2	101	104	
390-1018-22	SB-17-4	97	107	
390-1018-23	SB-17-10	95	104	
390-1018-24	SB-17-15	94	100	
390-1018-25	SB-13-2	103	114	
390-1018-27	SB-13-10	100	111	
390-1018-29	SB-39-2	97	102	

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Surrogate Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1

SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

			Percent	Surrogate Recovery (Acceptance L
		1CO1	OTPH1	
₋ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-1018-30	SB-39-4	102	110	
390-1018-31	SB-23-10	103	115	
390-1018-32	SB-13-4	97	103	
390-1018-35	SB-13-18	101	112	
390-1018-36	SB-13-30	99	109	
390-1018-37	SB-40-2	97	107	
390-1018-38	SB-40-4	97	104	
390-1018-39	SB-40-10	100	110	
390-1018-40	SB-40-15	104	114	
390-1018-42	SB-21-2	107	122	
390-1018-43	SB-21-4	103	114	
90-1018-44	SB-21-10	104	112	
390-1018-46	SB-21-20	88	90	
390-1018-47	SB-32-2	112	115	
390-1018-48	SB-32-4	114	120	
390-1018-49	SB-32-10	106	113	
90-1018-50	SB-32-15	111	117	
CS 880-5838/2-A	Lab Control Sample	96	108	
.CS 880-5882/2-A	Lab Control Sample	107	110	
CS 880-5902/2-A	Lab Control Sample	93	94	
.CSD 880-5838/3-A	Lab Control Sample Dup	93	105	
_CSD 880-5882/3-A	Lab Control Sample Dup	102	105	
.CSD 880-5902/3-A	Lab Control Sample Dup	100	99	
/IB 880-5838/1-A	Method Blank	84	99	
MB 880-5882/1-A	Method Blank	98	106	
000 000_, . , .		94	104	

1CO = 1-Chlorooctane OTPH = o-Terphenyl 2

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Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5758/5-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5758

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		07/28/21 13:50	07/29/21 13:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		07/28/21 13:50	07/29/21 13:57	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		07/28/21 13:50	07/29/21 13:57	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		07/28/21 13:50	07/29/21 13:57	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	112		70 - 130	07/28/21 13:50 07/29/21 13:	7 1
Į	1,4-Difluorobenzene (Surr)	94		70 - 130	07/28/21 13:50 07/29/21 13:	7 1

Lab Sample ID: LCS 880-5758/1-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5758

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.09258 mg/Kg 93 70 - 130 Toluene 0.100 0.09742 mg/Kg 97 70 - 130 Ethylbenzene mg/Kg 102 0.100 0.1016 70 - 130 m-Xylene & p-Xylene 0.200 0.2047 mg/Kg 102 70 - 130 70 - 130 0.100 0.09713 o-Xylene mg/Kg 97

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: LCSD 880-5758/2-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5758

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	Spike	LCSD LC	SD		%Rec.		RPD
Analyte	Added	Result Qu	alifier Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.08634	mg/Kg	86	70 - 130	7	35
Toluene	0.100	0.09449	mg/Kg	94	70 - 130	3	35
Ethylbenzene	0.100	0.1020	mg/Kg	102	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2056	mg/Kg	103	70 - 130	0	35
o-Xylene	0.100	0.09873	mg/Kg	99	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1.4-Difluorobenzene (Surr)	87	70 - 130

Lab Sample ID: MB 880-5818/5-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5818

MB MB

Result Qualifier Analyte RL **MDL** Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 0.000385 mg/Kg 07/30/21 08:30 07/30/21 13:13

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Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: MB 880-5818/5-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5818

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		07/30/21 08:30	07/30/21 13:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		07/30/21 08:30	07/30/21 13:13	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		07/30/21 08:30	07/30/21 13:13	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		07/30/21 08:30	07/30/21 13:13	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	07/30/21 08:30 07/30/21 13:13	1
1,4-Difluorobenzene (Surr)	92		70 - 130	07/30/21 08:30 07/30/21 13:13	1

Lab Sample ID: MB 880-5821/5-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 5821

MD MD

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		07/29/21 13:38	07/30/21 01:31	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		07/29/21 13:38	07/30/21 01:31	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		07/29/21 13:38	07/30/21 01:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		07/29/21 13:38	07/30/21 01:31	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		07/29/21 13:38	07/30/21 01:31	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		07/29/21 13:38	07/30/21 01:31	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		07/29/21 13:38	07/30/21 01:31	1

MB MB

Surrogate	%Recovery C	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	07/29/21 13:38	07/30/21 01:31	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/29/21 13:38	07/30/21 01:31	1

Lab Sample ID: LCS 880-5821/1-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 5821

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08212		mg/Kg		82	70 - 130	
Toluene	0.100	0.08951		mg/Kg		90	70 - 130	
Ethylbenzene	0.100	0.09457		mg/Kg		95	70 - 130	
m-Xylene & p-Xylene	0.200	0.1893		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.09254		mg/Kg		93	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: LCSD 880-5821/2-A

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 5821

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Benzene 0.100 0.07051 mg/Kg 71 70 - 130 15 35 Toluene 0.100 0.08778 mg/Kg 88 70 - 130 2 35 Ethylbenzene 0.100 0.09850 mg/Kg 98 70 - 130 35 m-Xylene & p-Xylene 0.200 0.2028 mg/Kg 101 70 - 130 35 0.100 35 o-Xylene 0.09766 mg/Kg ٩R 70 - 130

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1.4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-1018-13 MS

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: SB-27-2 Prep Type: Total/NA

Prep Batch: 5821

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00202 UF1 0.0998 0.03056 F1 70 - 130 Benzene mg/Kg 31 0.0998 Toluene <0.00202 U F2 F1 0.01093 F1 mg/Kg 11 70 - 130 Ethylbenzene 0.000600 JF2F1 0.0998 0.1019 mg/Kg 102 70 - 130 <0.00403 UF1 0.200 0.1388 mg/Kg 70 70 - 130 m-Xylene & p-Xylene 0.000360 JF1 0.0998 55 o-Xylene 0.05551 F1 mg/Kg 70 - 130

MS MS

Surrogate	%Recovery Qua	alifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-1018-13 MSD

Matrix: Solid

Analysis Batch: 5782

Client Sample ID: SB-27-2 Prep Type: Total/NA

Prep Batch: 5821

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier %Rec Added Result Qualifier Limits RPD Limit Analyte Unit D Benzene <0.00202 UF1 0.101 0.03543 F1 mg/Kg 35 70 - 130 15 35 mg/Kg 52 Toluene <0.00202 U F2 F1 0.101 0.05247 F2 F1 70 - 130 131 35 Ethylbenzene 0.000600 JF2F1 0.101 0.05881 F2 F1 mg/Kg 58 70 - 130 54 35 m-Xylene & p-Xylene <0.00403 UF1 0.202 0.1131 F1 mg/Kg 56 70 - 130 20 35 o-Xylene 0.000360 JF1 0.101 0.05335 F1 53 70 - 130 35 mg/Kg

MSD MSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-5832/5-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5832

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		07/30/21 09:30	07/31/21 00:22	1

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Page 41 of 87

Job ID: 890-1018-1 SDG: 11220747

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

Lab Sample ID: MB 880-5832/5-A **Matrix: Solid**

Analysis Batch: 5858

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 5832

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		07/30/21 09:30	07/31/21 00:22	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		07/30/21 09:30	07/31/21 00:22	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		07/30/21 09:30	07/31/21 00:22	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	07/30/21 09:30	07/31/21 00:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130	07/30/21 09:30	07/31/21 00:22	1

Lab Sample ID: LCS 880-5832/1-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 5832

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09951		mg/Kg		100	70 - 130	
Toluene	0.100	0.09197		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09141		mg/Kg		91	70 - 130	
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09422		mg/Kg		94	70 - 130	

LCS LCS

Surrogate	%Recovery Qualitier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-5832/2-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5832

	Spike	LCSD L	CSD				%Rec.		RPD
Analyte	Added	Result C	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08868		mg/Kg		89	70 - 130	12	35
Toluene	0.100	0.08298		mg/Kg		83	70 - 130	10	35
Ethylbenzene	0.100	0.08171		mg/Kg		82	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1647		mg/Kg		82	70 - 130	11	35
o-Xylene	0.100	0.08359		mg/Kg		84	70 - 130	12	35

LCSD LCSD

<0.00404 U

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 890-1018-32 MSD

Matrix: Solid

m-Xylene & p-Xylene

Analysis Batch: 5858

Client Sample ID: SB-13-4 Prep Type: Total/NA

Prep Batch: 5832

Sample Sample MSD MSD RPD Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.00202 U 0.0994 0.08730 mg/Kg Toluene <0.00202 U 0.0994 0.08221 mg/Kg Ethylbenzene <0.00202 U 0.0994 0.08218 mg/Kg

0.1658

mg/Kg

0.199

Job ID: 890-1018-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

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

Lab Sample ID: 890-1018-32 MSD Client Sample ID: SB-13-4 **Matrix: Solid** Prep Type: Total/NA Prep Batch: 5832 **Analysis Batch: 5858**

MSD MSD **RPD** Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit o-Xylene < 0.00202 0.0994 0.08415 mg/Kg

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 119 70 - 130 1,4-Difluorobenzene (Surr) 107 70 - 130

Lab Sample ID: 890-1018-32 MS Client Sample ID: SB-13-4

Matrix: Solid Prep Type: Total/NA Analysis Batch: 5858

MS MS Surrogate %Recovery Qualifier

Limits 4-Bromofluorobenzene (Surr) 113 70 - 130 1,4-Difluorobenzene (Surr) 106 70 - 130

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

Lab Sample ID: MB 880-5838/1-A **Client Sample ID: Method Blank**

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5838 MB MB

Result Qualifier RL **MDL** Unit Prepared Analyzed **Analyte** <50.0 U 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 22:39 Gasoline Range Organics (GRO)-C6-C10 07/29/21 16:22 08/01/21 22:39 Diesel Range Organics (Over 15.41 J 50.0 15.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 22:39 Total TPH 15.41 J 50.0 15.0 mg/Kg 07/29/21 16:22 08/01/21 22:39

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 84 70 - 130 07/29/21 16:22 08/01/21 22:39 99 70 - 130 07/29/21 16:22 08/01/21 22:39 o-Terphenyl

Lab Sample ID: LCS 880-5838/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5838

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 824.4 mg/Kg 82 70 - 130(GRO)-C6-C10 1000 988.9 99 70 - 130

Diesel Range Organics (Over mg/Kg C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 96 70 - 130 o-Terphenyl 108 70 - 130

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1

SDG: 11220747

Client Sample ID: SB-41-2

Client Sample ID: SB-41-2

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 5838

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

Lab Sample ID: LCSD 880-5838/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5838 LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Gasoline Range Organics 1000 881.4 mg/Kg 88 70 - 130 7 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 970.4 mg/Kg 97 70 - 130 2 20 C10-C28)

LCSD LCSD Limits Surrogate %Recovery Qualifier 1-Chlorooctane 93 70 - 130 70 - 130 o-Terphenyl 105

Lab Sample ID: 890-1018-1 MS **Matrix: Solid**

Analysis Batch: 5932

•	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	16.0	J	996	806.6		mg/Kg		79	70 - 130	
Diesel Range Organics (Over C10-C28)	15.8	JB	996	928.5		mg/Kg		92	70 - 130	

MS MS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 87 70 - 130 o-Terphenyl 91 70 - 130

Lab Sample ID: 890-1018-1 MSD

Matrix: Solid

Analysis Batch: 5932									Prep	Batch:	5838
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	16.0	J	996	807.0		mg/Kg		79	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	15.8	JB	996	895.3		mg/Kg		88	70 - 130	4	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 85 70 - 130 o-Terphenyl 87 70 - 130

Lab Sample ID: MB 880-5882/1-A

Matrix: Solid

Analysis Batch: 5915

Client Sample ID: Method Blan	k
Prep Type: Total/N	4

Prep Batch: 5882

	MB	MB							
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		07/30/21 13:47	07/31/21 12:00	1
Diesel Range Organics (Over C10-C28)	16.03	J	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 12:00	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 12:00	1
Total TPH	16.03	J	50.0	15.0	mg/Kg		07/30/21 13:47	07/31/21 12:00	1

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

MB MB

Lab Sample ID: MB 880-5882/1-A

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Analysis Batch: 5915

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5882

%Recovery Qualifier Limits Prepared Analyzed Dil Fac 07/30/21 13:47 07/31/21 12:00 98 70 - 130 106 70 - 130 07/30/21 13:47 07/31/21 12:00

Lab Sample ID: LCS 880-5882/2-A

Matrix: Solid

Analysis Batch: 5915

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 5882

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 910.2 mg/Kg 91 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1042 mg/Kg 104 70 - 130 C10-C28)

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 107 70 - 130 70 - 130 o-Terphenyl 110

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 5915

Lab Sample ID: LCSD 880-5882/3-A

Prep Type: Total/NA

Prep Batch: 5882 %Rec. **RPD**

Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec Gasoline Range Organics 1000 926.4 mg/Kg 93 70 - 130 2 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 983.2 mg/Kg 98 70 - 130 6 20 C10-C28)

LCSD LCSD

Spike

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 102 70 - 130 o-Terphenyl 105 70 - 130

Lab Sample ID: 890-1018-21 MS Client Sample ID: SB-17-2 **Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 5915 Prep Batch: 5882

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec <50.0 U 996 863.1 87 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 996 912.3 mg/Kg 92 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	86	70 - 130
o-Terphenvl	87	70 - 130

Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: 890-1018-21 MSD

Matrix: Solid

Analysis Batch: 5915

Client Sample ID: SB-17-2

Prep Type: Total/NA

Prep Batch: 5882 %Rec. **RPD** Limits **RPD** Limit 20

Result Qualifier Added Result Qualifier Unit D %Rec Analyte <50.0 U Gasoline Range Organics 996 983.5 mg/Kg 99 70 - 130 13 (GRO)-C6-C10 996 Diesel Range Organics (Over <50.0 U 1075 108 70 - 130 mg/Kg 16 20

MSD MSD

Spike

C10-C28)

MSD MSD

Sample Sample

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	104		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5902

Lab Sample ID: MB 880-5902/1-A

Matrix: Solid

Analysis Batch: 5917

	MR	MR							
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		07/30/21 14:36	07/31/21 12:00	1
Diesel Range Organics (Over C10-C28)	16.04	J	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 12:00	1
Oll Range Organics (Over C28-C36)	17.41	J	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 12:00	1
Total TPH	33.45	J	50.0	15.0	mg/Kg		07/30/21 14:36	07/31/21 12:00	1

MB MB %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1-Chlorooctane 94 70 - 130 07/30/21 14:36 07/31/21 12:00 o-Terphenyl 104 70 - 130 07/30/21 14:36 07/31/21 12:00

Lab Sample ID: LCS 880-5902/2-A

Matrix: Solid

Analysis Batch: 5917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5902

LCS LCS %Rec. Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 802.8 80 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 892.5 mg/Kg 89 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	93	70 - 130
o-Terphenyl	94	70 - 130

Lab Sample ID: LCSD 880-5902/3-A

Matrix: Solid

Analysis Batch: 5917

Client Sample ID	: Lab Control	Sample Dup
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Prep Type: Total/NA Prep Batch: 5902

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	 1000	868.9		mg/Kg		87	70 - 130	8	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	973.1		mg/Kg		97	70 - 130	9	20	
C10-C28)										

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

Lab Sample ID: LCSD 880-5902/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 5902

Analysis Batch: 5917

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 100 70 - 130 o-Terphenyl 99 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5810/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5879

MB MB

RL Analyte Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac <5.00 U 5.00 07/30/21 18:27 Chloride 0.858 mg/Kg

Lab Sample ID: LCS 880-5810/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5879

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 243.7 mg/Kg 97 90 - 110

Lab Sample ID: LCSD 880-5810/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5879

Spike LCSD LCSD **RPD** %Rec. Added Analyte Result Qualifier Unit %Rec Limits RPD Limit 250 90 - 110 Chloride 243.5 mg/Kg

Lab Sample ID: MB 880-5802/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5880

MB MB

Result Qualifier RL **MDL** Unit Analyte D Prepared Analyzed Dil Fac <5.00 U 5.00 07/31/21 00:22 Chloride 0.858 mg/Kg

Lab Sample ID: LCS 880-5802/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5880

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit %Rec Limits Chloride 250 247.0 99 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-5802/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5880

LCSD LCSD Spike %Rec. **RPD** Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 247.5 mg/Kg 99 90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1018-8 MS Client Sample ID: SB-42-15 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5880

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit %Rec Limits Analyte 60.3 F1 249 Chloride 234.7 F1 mg/Kg 70 90 - 110

Lab Sample ID: 890-1018-8 MSD Client Sample ID: SB-42-15 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5880

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 60.3 F1 249 90 - 110 Chloride 234.6 F1 mg/Kg 70 n

Lab Sample ID: 890-1018-18 MS Client Sample ID: SB-20-4 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5880

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec Chloride 21.1 250 253.4 93 90 - 110 mg/Kg

Lab Sample ID: 890-1018-18 MSD Client Sample ID: SB-20-4 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5880

Spike MSD MSD **RPD** Sample Sample %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 21.1 250 254.1 mg/Kg 90 - 110

Lab Sample ID: MB 880-5803/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5881

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.858 mg/Kg Chloride <5.00 U 5.00 07/31/21 03:31

Lab Sample ID: LCS 880-5803/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 5881

Spike LCS LCS %Rec. Added D %Rec Analyte Result Qualifier Unit Limits 250 Chloride 247.0 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-5803/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 5881

Spike LCSD LCSD %Rec. Added Result Qualifier Unit Limits RPD Limit Analyte %Rec Chloride 250 247.2 99 mg/Kg 90 - 110

Lab Sample ID: MB 880-5864/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5903

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MB MB RL **MDL** Unit D Analyte Result Qualifier Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 07/31/21 06:39 0.858 mg/Kg

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Prep Type: Soluble

Prep Type: Soluble

RPD

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-5864/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid Analysis Batch: 5903

Spike LCS LCS %Rec. Added Result Qualifier Limits Analyte Unit D %Rec

250 Chloride 248.5 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-5864/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5903

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 250 90 - 110 Chloride 250.1 mg/Kg 100

Lab Sample ID: 890-1018-36 MS Client Sample ID: SB-13-30 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5903

Sample Sample Spike MS MS %Rec. Result Qualifier Result Qualifier Added Limits Analyte Unit %Rec Chloride 190 F1 248 376.6 F1 90 - 110 mg/Kg

Lab Sample ID: 890-1018-36 MSD Client Sample ID: SB-13-30 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5903

Spike MSD MSD **RPD** Sample Sample %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 190 F1 377.1 F1 248 mg/Kg 90 - 110

Lab Sample ID: MB 880-5865/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5907

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.858 mg/Kg Chloride <5.00 U 5.00 07/31/21 21:23

Lab Sample ID: LCS 880-5865/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5907

Spike LCS LCS %Rec. Added Limits Analyte Result Qualifier D %Rec Unit 250 Chloride 256.5 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-5865/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5907

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Unit Limits RPD Limit Analyte %Rec Chloride 250 257.0 mg/Kg 103 90 - 110

Lab Sample ID: MB 880-6087/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6088

MB MB RL **MDL** Unit Analyte Result Qualifier Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 08/05/21 02:06 0.858 mg/Kg



Client: GHD Services Inc. Job ID: 890-1018-1 Project/Site: Flamenco #1 SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-6087/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6088

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit Limits D %Rec 90 - 110 Chloride 250 248.6 mg/Kg 99

Lab Sample ID: LCSD 880-6087/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6088

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 249.5 100 90 - 110 mg/Kg 0

Lab Sample ID: MB 880-6109/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid Analysis Batch: 6194

MB MB

Result Qualifier RL MDL Unit Analyte Prepared Analyzed Dil Fac 0.858 mg/Kg Chloride <5.00 U 5.00 08/08/21 13:21

Lab Sample ID: LCS 880-6109/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6194

%Rec. Spike LCS LCS Added Analyte Result Qualifier Unit %Rec Limits Chloride 250 265.8 mg/Kg 106 90 - 110

Lab Sample ID: LCSD 880-6109/3-A

Matrix: Solid

Analysis Batch: 6194

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit Limits RPD Limit %Rec Chloride 250 266.6 107 20 mg/Kg 90 - 110 0

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Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1

SDG: 11220747

GC VOA

Prep Batch: 5758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-1	SB-41-2	Total/NA	Solid	5035	
890-1018-2	SB-41-4	Total/NA	Solid	5035	
890-1018-3	SB-41-10	Total/NA	Solid	5035	
890-1018-4	SB-41-15	Total/NA	Solid	5035	
890-1018-5	SB-42-2	Total/NA	Solid	5035	
890-1018-6	SB-42-4	Total/NA	Solid	5035	
890-1018-7	SB-42-10	Total/NA	Solid	5035	
890-1018-8	SB-42-15	Total/NA	Solid	5035	
890-1018-9	SB-23-2	Total/NA	Solid	5035	
890-1018-10	SB-23-4	Total/NA	Solid	5035	
890-1018-11	SB-39-10	Total/NA	Solid	5035	
890-1018-12	SB-39-15	Total/NA	Solid	5035	
MB 880-5758/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5758/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5758/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 5782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1018-1	SB-41-2	Total/NA	Solid	8021B	5758
890-1018-2	SB-41-4	Total/NA	Solid	8021B	5758
890-1018-3	SB-41-10	Total/NA	Solid	8021B	5758
890-1018-4	SB-41-15	Total/NA	Solid	8021B	5758
890-1018-5	SB-42-2	Total/NA	Solid	8021B	5758
890-1018-6	SB-42-4	Total/NA	Solid	8021B	5758
890-1018-7	SB-42-10	Total/NA	Solid	8021B	5758
890-1018-8	SB-42-15	Total/NA	Solid	8021B	5758
890-1018-9	SB-23-2	Total/NA	Solid	8021B	5758
890-1018-10	SB-23-4	Total/NA	Solid	8021B	5758
890-1018-11	SB-39-10	Total/NA	Solid	8021B	5758
890-1018-12	SB-39-15	Total/NA	Solid	8021B	5758
890-1018-13	SB-27-2	Total/NA	Solid	8021B	582
890-1018-14	SB-27-4	Total/NA	Solid	8021B	582
390-1018-15	SB-27-10	Total/NA	Solid	8021B	582
390-1018-16	SB-27-15	Total/NA	Solid	8021B	582
390-1018-17	SB-20-2	Total/NA	Solid	8021B	582
390-1018-18	SB-20-4	Total/NA	Solid	8021B	582
390-1018-19	SB-20-10	Total/NA	Solid	8021B	582
390-1018-20	SB-20-15	Total/NA	Solid	8021B	582
390-1018-21	SB-17-2	Total/NA	Solid	8021B	582
390-1018-22	SB-17-4	Total/NA	Solid	8021B	582
390-1018-23	SB-17-10	Total/NA	Solid	8021B	582
390-1018-24	SB-17-15	Total/NA	Solid	8021B	582
390-1018-25	SB-13-2	Total/NA	Solid	8021B	582
890-1018-27	SB-13-10	Total/NA	Solid	8021B	582
890-1018-29	SB-39-2	Total/NA	Solid	8021B	582
390-1018-30	SB-39-4	Total/NA	Solid	8021B	582
890-1018-31	SB-23-10	Total/NA	Solid	8021B	582
MB 880-5758/5-A	Method Blank	Total/NA	Solid	8021B	575
MB 880-5821/5-A	Method Blank	Total/NA	Solid	8021B	582
LCS 880-5758/1-A	Lab Control Sample	Total/NA	Solid	8021B	575
LCS 880-5821/1-A	Lab Control Sample	Total/NA	Solid	8021B	582°

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Job ID: 890-1018-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC VOA (Continued)

Analysis Batch: 5782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-5758/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5758
LCSD 880-5821/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5821
890-1018-13 MS	SB-27-2	Total/NA	Solid	8021B	5821
890-1018-13 MSD	SB-27-2	Total/NA	Solid	8021B	5821

Prep Batch: 5818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5818/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-13	SB-27-2	Total/NA	Solid	5035	
890-1018-14	SB-27-4	Total/NA	Solid	5035	
890-1018-15	SB-27-10	Total/NA	Solid	5035	
890-1018-16	SB-27-15	Total/NA	Solid	5035	
890-1018-17	SB-20-2	Total/NA	Solid	5035	
890-1018-18	SB-20-4	Total/NA	Solid	5035	
890-1018-19	SB-20-10	Total/NA	Solid	5035	
890-1018-20	SB-20-15	Total/NA	Solid	5035	
890-1018-21	SB-17-2	Total/NA	Solid	5035	
890-1018-22	SB-17-4	Total/NA	Solid	5035	
890-1018-23	SB-17-10	Total/NA	Solid	5035	
890-1018-24	SB-17-15	Total/NA	Solid	5035	
890-1018-25	SB-13-2	Total/NA	Solid	5035	
890-1018-27	SB-13-10	Total/NA	Solid	5035	
890-1018-29	SB-39-2	Total/NA	Solid	5035	
890-1018-30	SB-39-4	Total/NA	Solid	5035	
890-1018-31	SB-23-10	Total/NA	Solid	5035	
MB 880-5821/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5821/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5821/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1018-13 MS	SB-27-2	Total/NA	Solid	5035	
890-1018-13 MSD	SB-27-2	Total/NA	Solid	5035	

Prep Batch: 5832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-32	SB-13-4	Total/NA	Solid	5035	
890-1018-35	SB-13-18	Total/NA	Solid	5035	
890-1018-36	SB-13-30	Total/NA	Solid	5035	
890-1018-37	SB-40-2	Total/NA	Solid	5035	
890-1018-38	SB-40-4	Total/NA	Solid	5035	
890-1018-39	SB-40-10	Total/NA	Solid	5035	
890-1018-40	SB-40-15	Total/NA	Solid	5035	
890-1018-42	SB-21-2	Total/NA	Solid	5035	
890-1018-43	SB-21-4	Total/NA	Solid	5035	
890-1018-44	SB-21-10	Total/NA	Solid	5035	
890-1018-46	SB-21-20	Total/NA	Solid	5035	
890-1018-47	SB-32-2	Total/NA	Solid	5035	
890-1018-48	SB-32-4	Total/NA	Solid	5035	
890-1018-49	SB-32-10	Total/NA	Solid	5035	
890-1018-50	SB-32-15	Total/NA	Solid	5035	

Job ID: 890-1018-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC VOA (Continued)

Prep Batch: 5832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5832/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5832/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5832/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1018-32 MSD	SB-13-4	Total/NA	Solid	5035	

Analysis Batch: 5858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-32	SB-13-4	Total/NA	Solid	8021B	5832
890-1018-35	SB-13-18	Total/NA	Solid	8021B	5832
890-1018-36	SB-13-30	Total/NA	Solid	8021B	5832
890-1018-37	SB-40-2	Total/NA	Solid	8021B	5832
890-1018-38	SB-40-4	Total/NA	Solid	8021B	5832
890-1018-39	SB-40-10	Total/NA	Solid	8021B	5832
890-1018-40	SB-40-15	Total/NA	Solid	8021B	5832
890-1018-42	SB-21-2	Total/NA	Solid	8021B	5832
890-1018-43	SB-21-4	Total/NA	Solid	8021B	5832
890-1018-44	SB-21-10	Total/NA	Solid	8021B	5832
890-1018-46	SB-21-20	Total/NA	Solid	8021B	5832
890-1018-47	SB-32-2	Total/NA	Solid	8021B	5832
890-1018-48	SB-32-4	Total/NA	Solid	8021B	5832
890-1018-49	SB-32-10	Total/NA	Solid	8021B	5832
890-1018-50	SB-32-15	Total/NA	Solid	8021B	5832
MB 880-5818/5-A	Method Blank	Total/NA	Solid	8021B	5818
MB 880-5832/5-A	Method Blank	Total/NA	Solid	8021B	5832
LCS 880-5832/1-A	Lab Control Sample	Total/NA	Solid	8021B	5832
LCSD 880-5832/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5832
890-1018-32 MS	SB-13-4	Total/NA	Solid	8021B	
890-1018-32 MSD	SB-13-4	Total/NA	Solid	8021B	5832

GC Semi VOA

Prep Batch: 5838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-1	SB-41-2	Total/NA	Solid	8015NM Prep	
890-1018-2	SB-41-4	Total/NA	Solid	8015NM Prep	
890-1018-3	SB-41-10	Total/NA	Solid	8015NM Prep	
890-1018-4	SB-41-15	Total/NA	Solid	8015NM Prep	
890-1018-5	SB-42-2	Total/NA	Solid	8015NM Prep	
890-1018-6	SB-42-4	Total/NA	Solid	8015NM Prep	
890-1018-7	SB-42-10	Total/NA	Solid	8015NM Prep	
890-1018-8	SB-42-15	Total/NA	Solid	8015NM Prep	
890-1018-9	SB-23-2	Total/NA	Solid	8015NM Prep	
890-1018-10	SB-23-4	Total/NA	Solid	8015NM Prep	
890-1018-11	SB-39-10	Total/NA	Solid	8015NM Prep	
890-1018-12	SB-39-15	Total/NA	Solid	8015NM Prep	
390-1018-13	SB-27-2	Total/NA	Solid	8015NM Prep	
390-1018-14	SB-27-4	Total/NA	Solid	8015NM Prep	
390-1018-15	SB-27-10	Total/NA	Solid	8015NM Prep	
890-1018-16	SB-27-15	Total/NA	Solid	8015NM Prep	
890-1018-17	SB-20-2	Total/NA	Solid	8015NM Prep	
890-1018-18	SB-20-4	Total/NA	Solid	8015NM Prep	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

GC Semi VOA (Continued)

Prep Batch: 5838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-19	SB-20-10	Total/NA	Solid	8015NM Prep	
890-1018-20	SB-20-15	Total/NA	Solid	8015NM Prep	
MB 880-5838/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5838/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5838/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1018-1 MS	SB-41-2	Total/NA	Solid	8015NM Prep	
890-1018-1 MSD	SB-41-2	Total/NA	Solid	8015NM Prep	

Prep Batch: 5882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-21	SB-17-2	Total/NA	Solid	8015NM Prep	
890-1018-22	SB-17-4	Total/NA	Solid	8015NM Prep	
890-1018-23	SB-17-10	Total/NA	Solid	8015NM Prep	
890-1018-24	SB-17-15	Total/NA	Solid	8015NM Prep	
890-1018-25	SB-13-2	Total/NA	Solid	8015NM Prep	
890-1018-27	SB-13-10	Total/NA	Solid	8015NM Prep	
890-1018-29	SB-39-2	Total/NA	Solid	8015NM Prep	
890-1018-30	SB-39-4	Total/NA	Solid	8015NM Prep	
890-1018-31	SB-23-10	Total/NA	Solid	8015NM Prep	
890-1018-32	SB-13-4	Total/NA	Solid	8015NM Prep	
890-1018-35	SB-13-18	Total/NA	Solid	8015NM Prep	
890-1018-36	SB-13-30	Total/NA	Solid	8015NM Prep	
890-1018-37	SB-40-2	Total/NA	Solid	8015NM Prep	
890-1018-38	SB-40-4	Total/NA	Solid	8015NM Prep	
890-1018-39	SB-40-10	Total/NA	Solid	8015NM Prep	
890-1018-40	SB-40-15	Total/NA	Solid	8015NM Prep	
890-1018-42	SB-21-2	Total/NA	Solid	8015NM Prep	
890-1018-43	SB-21-4	Total/NA	Solid	8015NM Prep	
MB 880-5882/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5882/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5882/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1018-21 MS	SB-17-2	Total/NA	Solid	8015NM Prep	
890-1018-21 MSD	SB-17-2	Total/NA	Solid	8015NM Prep	

Prep Batch: 5902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-44	SB-21-10	Total/NA	Solid	8015NM Prep	
890-1018-47	SB-32-2	Total/NA	Solid	8015NM Prep	
890-1018-48	SB-32-4	Total/NA	Solid	8015NM Prep	
890-1018-49	SB-32-10	Total/NA	Solid	8015NM Prep	
890-1018-50	SB-32-15	Total/NA	Solid	8015NM Prep	
MB 880-5902/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5902/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5902/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-21	SB-17-2	Total/NA	Solid	8015B NM	5882
890-1018-22	SB-17-4	Total/NA	Solid	8015B NM	5882
890-1018-23	SB-17-10	Total/NA	Solid	8015B NM	5882
890-1018-24	SB-17-15	Total/NA	Solid	8015B NM	5882

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Job ID: 890-1018-1 Client: GHD Services Inc. SDG: 11220747 Project/Site: Flamenco #1

GC Semi VOA (Continued)

Analysis Batch: 5915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-25	SB-13-2	Total/NA	Solid	8015B NM	5882
890-1018-27	SB-13-10	Total/NA	Solid	8015B NM	5882
890-1018-29	SB-39-2	Total/NA	Solid	8015B NM	5882
890-1018-30	SB-39-4	Total/NA	Solid	8015B NM	5882
890-1018-31	SB-23-10	Total/NA	Solid	8015B NM	5882
890-1018-32	SB-13-4	Total/NA	Solid	8015B NM	5882
890-1018-35	SB-13-18	Total/NA	Solid	8015B NM	5882
890-1018-36	SB-13-30	Total/NA	Solid	8015B NM	5882
890-1018-37	SB-40-2	Total/NA	Solid	8015B NM	5882
890-1018-38	SB-40-4	Total/NA	Solid	8015B NM	5882
890-1018-39	SB-40-10	Total/NA	Solid	8015B NM	5882
890-1018-40	SB-40-15	Total/NA	Solid	8015B NM	5882
890-1018-42	SB-21-2	Total/NA	Solid	8015B NM	5882
890-1018-43	SB-21-4	Total/NA	Solid	8015B NM	5882
MB 880-5882/1-A	Method Blank	Total/NA	Solid	8015B NM	5882
LCS 880-5882/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5882
LCSD 880-5882/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5882
890-1018-21 MS	SB-17-2	Total/NA	Solid	8015B NM	5882
890-1018-21 MSD	SB-17-2	Total/NA	Solid	8015B NM	5882

Analysis Batch: 5917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-44	SB-21-10	Total/NA	Solid	8015B NM	5902
890-1018-47	SB-32-2	Total/NA	Solid	8015B NM	5902
890-1018-48	SB-32-4	Total/NA	Solid	8015B NM	5902
890-1018-49	SB-32-10	Total/NA	Solid	8015B NM	5902
890-1018-50	SB-32-15	Total/NA	Solid	8015B NM	5902
MB 880-5902/1-A	Method Blank	Total/NA	Solid	8015B NM	5902
LCS 880-5902/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5902
LCSD 880-5902/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5902

Analysis Batch: 5932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-1	SB-41-2	Total/NA	Solid	8015B NM	5838
890-1018-2	SB-41-4	Total/NA	Solid	8015B NM	5838
890-1018-3	SB-41-10	Total/NA	Solid	8015B NM	5838
890-1018-4	SB-41-15	Total/NA	Solid	8015B NM	5838
890-1018-5	SB-42-2	Total/NA	Solid	8015B NM	5838
890-1018-6	SB-42-4	Total/NA	Solid	8015B NM	5838
890-1018-7	SB-42-10	Total/NA	Solid	8015B NM	5838
890-1018-8	SB-42-15	Total/NA	Solid	8015B NM	5838
890-1018-9	SB-23-2	Total/NA	Solid	8015B NM	5838
890-1018-10	SB-23-4	Total/NA	Solid	8015B NM	5838
890-1018-11	SB-39-10	Total/NA	Solid	8015B NM	5838
890-1018-12	SB-39-15	Total/NA	Solid	8015B NM	5838
890-1018-13	SB-27-2	Total/NA	Solid	8015B NM	5838
890-1018-14	SB-27-4	Total/NA	Solid	8015B NM	5838
890-1018-15	SB-27-10	Total/NA	Solid	8015B NM	5838
890-1018-16	SB-27-15	Total/NA	Solid	8015B NM	5838
890-1018-17	SB-20-2	Total/NA	Solid	8015B NM	5838
890-1018-18	SB-20-4	Total/NA	Solid	8015B NM	5838

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

GC Semi VOA (Continued)

Analysis Batch: 5932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-19	SB-20-10	Total/NA	Solid	8015B NM	5838
890-1018-20	SB-20-15	Total/NA	Solid	8015B NM	5838
MB 880-5838/1-A	Method Blank	Total/NA	Solid	8015B NM	5838
LCS 880-5838/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5838
LCSD 880-5838/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5838
890-1018-1 MS	SB-41-2	Total/NA	Solid	8015B NM	5838
890-1018-1 MSD	SB-41-2	Total/NA	Solid	8015B NM	5838

Analysis Batch: 6001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-46	SB-21-20	Total/NA	Solid	8015B NM	6026

Prep Batch: 6026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-46	SB-21-20	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 5802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-8	SB-42-15	Soluble	Solid	DI Leach	
890-1018-9	SB-23-2	Soluble	Solid	DI Leach	
890-1018-10	SB-23-4	Soluble	Solid	DI Leach	
890-1018-11	SB-39-10	Soluble	Solid	DI Leach	
890-1018-12	SB-39-15	Soluble	Solid	DI Leach	
890-1018-13	SB-27-2	Soluble	Solid	DI Leach	
890-1018-14	SB-27-4	Soluble	Solid	DI Leach	
890-1018-15	SB-27-10	Soluble	Solid	DI Leach	
890-1018-16	SB-27-15	Soluble	Solid	DI Leach	
890-1018-17	SB-20-2	Soluble	Solid	DI Leach	
890-1018-18	SB-20-4	Soluble	Solid	DI Leach	
890-1018-19	SB-20-10	Soluble	Solid	DI Leach	
890-1018-20	SB-20-15	Soluble	Solid	DI Leach	
890-1018-21	SB-17-2	Soluble	Solid	DI Leach	
890-1018-22	SB-17-4	Soluble	Solid	DI Leach	
890-1018-23	SB-17-10	Soluble	Solid	DI Leach	
890-1018-24	SB-17-15	Soluble	Solid	DI Leach	
890-1018-25	SB-13-2	Soluble	Solid	DI Leach	
890-1018-27	SB-13-10	Soluble	Solid	DI Leach	
MB 880-5802/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5802/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5802/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1018-8 MS	SB-42-15	Soluble	Solid	DI Leach	
890-1018-8 MSD	SB-42-15	Soluble	Solid	DI Leach	
890-1018-18 MS	SB-20-4	Soluble	Solid	DI Leach	
890-1018-18 MSD	SB-20-4	Soluble	Solid	DI Leach	

Leach Batch: 5803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-29	SB-39-2	Soluble	Solid	DI Leach	
890-1018-30	SB-39-4	Soluble	Solid	DI Leach	

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

HPLC/IC (Continued)

Leach Batch: 5803 (Continued)

Lab Sample ID 890-1018-31	Client Sample ID SB-23-10	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
MB 880-5803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 5810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-1	SB-41-2	Soluble	Solid	DI Leach	
890-1018-2	SB-41-4	Soluble	Solid	DI Leach	
890-1018-3	SB-41-10	Soluble	Solid	DI Leach	
890-1018-4	SB-41-15	Soluble	Solid	DI Leach	
890-1018-5	SB-42-2	Soluble	Solid	DI Leach	
890-1018-6	SB-42-4	Soluble	Solid	DI Leach	
890-1018-7	SB-42-10	Soluble	Solid	DI Leach	
MB 880-5810/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5810/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5810/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 5864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-32	SB-13-4	Soluble	Solid	DI Leach	
890-1018-35	SB-13-18	Soluble	Solid	DI Leach	
890-1018-36	SB-13-30	Soluble	Solid	DI Leach	
890-1018-37	SB-40-2	Soluble	Solid	DI Leach	
890-1018-38	SB-40-4	Soluble	Solid	DI Leach	
890-1018-39	SB-40-10	Soluble	Solid	DI Leach	
890-1018-40	SB-40-15	Soluble	Solid	DI Leach	
890-1018-42	SB-21-2	Soluble	Solid	DI Leach	
890-1018-43	SB-21-4	Soluble	Solid	DI Leach	
890-1018-44	SB-21-10	Soluble	Solid	DI Leach	
MB 880-5864/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5864/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5864/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1018-36 MS	SB-13-30	Soluble	Solid	DI Leach	
890-1018-36 MSD	SB-13-30	Soluble	Solid	DI Leach	

Leach Batch: 5865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-47	SB-32-2	Soluble	Solid	DI Leach	
890-1018-48	SB-32-4	Soluble	Solid	DI Leach	
890-1018-49	SB-32-10	Soluble	Solid	DI Leach	
890-1018-50	SB-32-15	Soluble	Solid	DI Leach	
MB 880-5865/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5865/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5865/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 5879

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Lab Sample ID 890-1018-1	Client Sample ID SB-41-2	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 5810
890-1018-2	SB-41-4	Soluble	Solid	300.0	5810
890-1018-3	SB-41-10	Soluble	Solid	300.0	5810

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 5879 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-4	SB-41-15	Soluble	Solid	300.0	5810
890-1018-5	SB-42-2	Soluble	Solid	300.0	5810
890-1018-6	SB-42-4	Soluble	Solid	300.0	5810
890-1018-7	SB-42-10	Soluble	Solid	300.0	5810
MB 880-5810/1-A	Method Blank	Soluble	Solid	300.0	5810
LCS 880-5810/2-A	Lab Control Sample	Soluble	Solid	300.0	5810
LCSD 880-5810/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5810

Analysis Batch: 5880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-8	SB-42-15	Soluble	Solid	300.0	5802
890-1018-9	SB-23-2	Soluble	Solid	300.0	5802
890-1018-10	SB-23-4	Soluble	Solid	300.0	5802
890-1018-11	SB-39-10	Soluble	Solid	300.0	5802
890-1018-12	SB-39-15	Soluble	Solid	300.0	5802
890-1018-13	SB-27-2	Soluble	Solid	300.0	5802
890-1018-14	SB-27-4	Soluble	Solid	300.0	5802
890-1018-15	SB-27-10	Soluble	Solid	300.0	5802
890-1018-16	SB-27-15	Soluble	Solid	300.0	5802
890-1018-17	SB-20-2	Soluble	Solid	300.0	5802
890-1018-18	SB-20-4	Soluble	Solid	300.0	5802
890-1018-19	SB-20-10	Soluble	Solid	300.0	5802
890-1018-20	SB-20-15	Soluble	Solid	300.0	5802
890-1018-21	SB-17-2	Soluble	Solid	300.0	5802
890-1018-22	SB-17-4	Soluble	Solid	300.0	5802
890-1018-23	SB-17-10	Soluble	Solid	300.0	5802
890-1018-24	SB-17-15	Soluble	Solid	300.0	5802
890-1018-25	SB-13-2	Soluble	Solid	300.0	5802
890-1018-27	SB-13-10	Soluble	Solid	300.0	5802
MB 880-5802/1-A	Method Blank	Soluble	Solid	300.0	5802
LCS 880-5802/2-A	Lab Control Sample	Soluble	Solid	300.0	5802
LCSD 880-5802/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5802
890-1018-8 MS	SB-42-15	Soluble	Solid	300.0	5802
890-1018-8 MSD	SB-42-15	Soluble	Solid	300.0	5802
890-1018-18 MS	SB-20-4	Soluble	Solid	300.0	5802
890-1018-18 MSD	SB-20-4	Soluble	Solid	300.0	5802

Analysis Batch: 5881

Lab Sample ID 890-1018-29	Client Sample ID SB-39-2	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 5803
890-1018-30	SB-39-4	Soluble	Solid	300.0	5803
890-1018-31	SB-23-10	Soluble	Solid	300.0	5803
MB 880-5803/1-A	Method Blank	Soluble	Solid	300.0	5803
LCS 880-5803/2-A	Lab Control Sample	Soluble	Solid	300.0	5803
LCSD 880-5803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5803

Analysis Batch: 5903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-32	SB-13-4	Soluble	Solid	300.0	5864
890-1018-35	SB-13-18	Soluble	Solid	300.0	5864
890-1018-36	SB-13-30	Soluble	Solid	300.0	5864

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1018-1
SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 5903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-37	SB-40-2	Soluble	Solid	300.0	5864
890-1018-38	SB-40-4	Soluble	Solid	300.0	5864
890-1018-39	SB-40-10	Soluble	Solid	300.0	5864
890-1018-40	SB-40-15	Soluble	Solid	300.0	5864
890-1018-42	SB-21-2	Soluble	Solid	300.0	5864
890-1018-43	SB-21-4	Soluble	Solid	300.0	5864
890-1018-44	SB-21-10	Soluble	Solid	300.0	5864
MB 880-5864/1-A	Method Blank	Soluble	Solid	300.0	5864
LCS 880-5864/2-A	Lab Control Sample	Soluble	Solid	300.0	5864
LCSD 880-5864/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5864
890-1018-36 MS	SB-13-30	Soluble	Solid	300.0	5864
890-1018-36 MSD	SB-13-30	Soluble	Solid	300.0	5864

Analysis Batch: 5907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-47	SB-32-2	Soluble	Solid	300.0	5865
890-1018-48	SB-32-4	Soluble	Solid	300.0	5865
890-1018-49	SB-32-10	Soluble	Solid	300.0	5865
890-1018-50	SB-32-15	Soluble	Solid	300.0	5865
MB 880-5865/1-A	Method Blank	Soluble	Solid	300.0	5865
LCS 880-5865/2-A	Lab Control Sample	Soluble	Solid	300.0	5865
LCSD 880-5865/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5865

Leach Batch: 6087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-46	SB-21-20	Soluble	Solid	DI Leach	
MB 880-6087/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6087/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6087/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 6088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1018-46	SB-21-20	Soluble	Solid	300.0	6087
MB 880-6087/1-A	Method Blank	Soluble	Solid	300.0	6087
LCS 880-6087/2-A	Lab Control Sample	Soluble	Solid	300.0	6087
LCSD 880-6087/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6087

Leach Batch: 6109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6109/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6109/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6109/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 6194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6109/1-A	Method Blank	Soluble	Solid	300.0	6109
LCS 880-6109/2-A	Lab Control Sample	Soluble	Solid	300.0	6109
LCSD 880-6109/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6109

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Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-41-2

Lab Sample ID: 890-1018-1

Matrix: Solid

Date Collected: 07/27/21 12:35 Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 17:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 23:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 20:37	CH	XEN MID

Lab Sample ID: 890-1018-2

Date Collected: 07/27/21 12:40 Date Received: 07/28/21 11:45

Client Sample ID: SB-41-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 17:29	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 00:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 20:42	CH	XEN MID

Lab Sample ID: 890-1018-3

Matrix: Solid

Date Collected: 07/27/21 12:45 Date Received: 07/28/21 11:45

Client Sample ID: SB-41-10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 19:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 01:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 20:47	CH	XEN MID

Client Sample ID: SB-41-15 Lab Sample ID: 890-1018-4 Date Collected: 07/27/21 12:50

Date Received: 07/28/21 11:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 19:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 01:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 20:53	CH	XEN MID

Project/Site: Flamenco #1 Client Sample ID: SB-42-2

Lab Sample ID: 890-1018-5

Matrix: Solid

Date Collected: 07/27/21 14:15 Date Received: 07/28/21 11:45

Client: GHD Services Inc.

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 20:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 01:46	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 20:58	CH	XEN MID

Lab Sample ID: 890-1018-6

Client Sample ID: SB-42-4 Date Collected: 07/27/21 14:20 Date Received: 07/28/21 11:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 20:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 02:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 21:03	CH	XEN MID

Lab Sample ID: 890-1018-7

Matrix: Solid

Client Sample ID: SB-42-10 Date Collected: 07/27/21 14:25

Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 20:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	5810	07/29/21 12:57	CH	XEN MID
Soluble	Analysis	300.0		1			5879	07/30/21 21:09	CH	XEN MID

Client Sample ID: SB-42-15 Lab Sample ID: 890-1018-8 Date Collected: 07/27/21 14:30

Date Received: 07/28/21 11:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 21:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 00:38	CH	XEN MID

Project/Site: Flamenco #1 Client Sample ID: SB-23-2

Client: GHD Services Inc.

Date Collected: 07/27/21 15:00 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 21:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 03:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 00:55	CH	XEN MID

Lab Sample ID: 890-1018-10

Matrix: Solid

Date Collected: 07/27/21 15:05 Date Received: 07/28/21 11:45

Client Sample ID: SB-23-4

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 21:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 03:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:00	CH	XEN MID

Client Sample ID: SB-39-10 Lab Sample ID: 890-1018-11 Date Collected: 07/26/21 13:20

Matrix: Solid

Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 22:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 04:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:05	CH	XEN MID

Client Sample ID: SB-39-15 Lab Sample ID: 890-1018-12 Date Collected: 07/26/21 13:25 Matrix: Solid

Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5758	07/29/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/29/21 22:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 04:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:11	CH	XEN MID

Client Sample ID: SB-27-2

Date Collected: 07/26/21 09:30 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-13 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 02:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 04:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:27	CH	XEN MID

Lab Sample ID: 890-1018-14

Matrix: Solid

Client Sample ID: SB-27-4 Date Collected: 07/26/21 16:30 Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 02:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 05:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:32	CH	XEN MID

Client Sample ID: SB-27-10 Lab Sample ID: 890-1018-15

Matrix: Solid

Date Collected: 07/26/21 16:35 Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 02:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 05:35	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:38	CH	XEN MID

Client Sample ID: SB-27-15 Lab Sample ID: 890-1018-16 Date Collected: 07/26/21 16:40 **Matrix: Solid**

Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 03:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 05:56	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:43	CH	XEN MID

Client Sample ID: SB-20-2

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 07/27/21 09:00 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 03:22	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 06:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:48	CH	XEN MID

Lab Sample ID: 890-1018-18

Matrix: Solid

Date Collected: 07/27/21 09:05 Date Received: 07/28/21 11:45

Client Sample ID: SB-20-4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 03:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 06:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 01:54	CH	XEN MID

Client Sample ID: SB-20-10 Lab Sample ID: 890-1018-19 Date Collected: 07/27/21 09:10

Matrix: Solid Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 04:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 06:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 02:10	CH	XEN MID

Client Sample ID: SB-20-15 Lab Sample ID: 890-1018-20 Date Collected: 07/27/21 09:15 Matrix: Solid

Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 04:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5838	07/29/21 16:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/02/21 07:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		5			5880	07/31/21 02:15	CH	XEN MID

Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-17-2

Lab Sample ID: 890-1018-21

Date Collected: 07/26/21 09:20 Date Received: 07/28/21 11:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 04:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 13:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 02:32	CH	XEN MID

Lab Sample ID: 890-1018-22

Matrix: Solid

Client Sample ID: SB-17-4 Date Collected: 07/26/21 11:30 Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 05:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 02:37	CH	XEN MID

Client Sample ID: SB-17-10 Lab Sample ID: 890-1018-23 Date Collected: 07/26/21 11:35

Matrix: Solid

Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 06:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 14:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 02:42	CH	XEN MID

Client Sample ID: SB-17-15 Lab Sample ID: 890-1018-24 Date Collected: 07/26/21 11:40

Date Received: 07/28/21 11:45

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 07:13	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 14:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5802	07/29/21 12:32	СН	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 02:48	CH	XEN MID

Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-13-2

Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-25 Date Collected: 07/25/21 09:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 07:34	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 15:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 02:53	CH	XEN MID

Client Sample ID: SB-13-10 Date Collected: 07/25/21 09:10

Lab Sample ID: 890-1018-27 Date Received: 07/28/21 11:45

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 08:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 15:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	5802	07/29/21 12:32	CH	XEN MID
Soluble	Analysis	300.0		1			5880	07/31/21 03:04	CH	XEN MID

Client Sample ID: SB-39-2

Date Collected: 07/26/21 09:25 Date Received: 07/28/21 11:45

Matrix: Solid

Lab Sample ID: 890-1018-29

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 08:55	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 16:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5803	07/29/21 12:36	CH	XEN MID
Soluble	Analysis	300.0		1			5881	07/31/21 06:02	CH	XEN MID

Client Sample ID: SB-39-4 Lab Sample ID: 890-1018-30 Date Collected: 07/26/21 13:15 Matrix: Solid

Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 09:16	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 16:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	5803	07/29/21 12:36	СН	XEN MID
Soluble	Analysis	300.0		1			5881	07/31/21 06:07	CH	XEN MID

Job ID: 890-1018-1 SDG: 11220747

Client Sample ID: SB-23-10

Lab Sample ID: 890-1018-31

Matrix: Solid

Date Collected: 07/27/21 15:10 Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5821	07/29/21 13:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5782	07/30/21 09:36	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5803	07/29/21 12:36	CH	XEN MID
Soluble	Analysis	300.0		1			5881	07/31/21 06:12	CH	XEN MID

Lab Sample ID: 890-1018-32

Matrix: Solid

Date Collected: 07/25/21 09:05 Date Received: 07/28/21 11:45

Client Sample ID: SB-13-4

Batch Batch Dil Initial Final Batch Prepared Method **Amount Prep Type** Type Run **Factor** Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.95 g 5 mL 5832 07/30/21 09:30 KL XEN MID Total/NA 8021B 5858 07/31/21 00:44 KL XEN MID Analysis 5 mL 5 mL 1 Total/NA Prep 8015NM Prep 10.01 q 10 mL 5882 07/30/21 13:47 DM XEN MID Total/NA Analysis 8015B NM 5915 07/31/21 17:38 AJ XEN MID Soluble Leach DI Leach 4.99 g 50 mL 5864 07/30/21 09:57 CH XEN MID 07/31/21 07:49 CH Soluble Analysis 300.0 5903 XEN MID 1

Client Sample ID: SB-13-18 Lab Sample ID: 890-1018-35 Date Collected: 07/25/21 09:25

Matrix: Solid

Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 01:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5864	07/30/21 09:57	CH	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:06	CH	XEN MID

Client Sample ID: SB-13-30 Lab Sample ID: 890-1018-36 Date Collected: 07/25/21 09:30 Matrix: Solid

Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 02:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5864	07/30/21 09:57	СН	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:11	CH	XEN MID

Client Sample ID: SB-40-2

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 07/26/21 16:50 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-37

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 02:26	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 19:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5864	07/30/21 09:57	CH	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:27	CH	XEN MID

Lab Sample ID: 890-1018-38

Matrix: Solid

Date Collected: 07/26/21 16:55 Date Received: 07/28/21 11:45

Client Sample ID: SB-40-4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 02:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 19:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5864	07/30/21 09:57	CH	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:33	CH	XEN MID

Lab Sample ID: 890-1018-39 Client Sample ID: SB-40-10

Matrix: Solid

Date Collected: 07/26/21 17:00 Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 03:07	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 19:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5864	07/30/21 09:57	CH	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:49	CH	XEN MID

Client Sample ID: SB-40-15 Lab Sample ID: 890-1018-40 Date Collected: 07/26/21 17:05 Matrix: Solid

Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 03:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 20:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5864	07/30/21 09:57	СН	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:54	CH	XEN MID

Project/Site: Flamenco #1 Client Sample ID: SB-21-2

Client: GHD Services Inc.

Date Collected: 07/27/21 10:30 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-42

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 05:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 20:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5864	07/30/21 09:57	CH	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 08:59	CH	XEN MID

Lab Sample ID: 890-1018-43

Matrix: Solid

Date Collected: 07/27/21 10:35 Date Received: 07/28/21 11:45

Client Sample ID: SB-21-4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 05:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5882	07/30/21 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5915	07/31/21 20:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5864	07/30/21 09:57	СН	XEN MID
Soluble	Analysis	300.0		1			5903	07/31/21 09:05	CH	XEN MID

Lab Sample ID: 890-1018-44 Client Sample ID: SB-21-10 Date Collected: 07/27/21 10:40

Matrix: Solid Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 05:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5902	07/30/21 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5917	07/31/21 16:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5864	07/30/21 09:57	СН	XEN MID
Soluble	Analysis	300.0		10			5903	07/31/21 09:10	CH	XEN MID

Client Sample ID: SB-21-20 Lab Sample ID: 890-1018-46

Date Collected: 07/27/21 10:50 Matrix: Solid Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 06:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6026	08/03/21 15:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6001	08/04/21 00:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6087	08/04/21 16:00	СН	XEN MID
Soluble	Analysis	300.0		5			6088	08/05/21 04:37	CH	XEN MID

SDG: 11220747

Client Sample ID: SB-32-2

Date Collected: 07/27/21 15:20 Date Received: 07/28/21 11:45

Lab Sample ID: 890-1018-47

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 06:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5902	07/30/21 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5917	07/31/21 16:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5865	07/30/21 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			5907	07/31/21 23:48	CH	XEN MID

Lab Sample ID: 890-1018-48

Matrix: Solid

Client Sample ID: SB-32-4 Date Collected: 07/27/21 15:25 Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 07:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5902	07/30/21 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5917	07/31/21 16:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5865	07/30/21 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			5907	07/31/21 23:54	CH	XEN MID

Client Sample ID: SB-32-10 Lab Sample ID: 890-1018-49 Date Collected: 07/27/21 15:30

Matrix: Solid

Date Received: 07/28/21 11:45

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 07:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5902	07/30/21 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5917	07/31/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5865	07/30/21 10:06	СН	XEN MID
Soluble	Analysis	300.0		1			5907	07/31/21 23:59	CH	XEN MID

Client Sample ID: SB-32-15 Lab Sample ID: 890-1018-50 Date Collected: 07/27/21 15:35 Matrix: Solid

Date Received: 07/28/21 11:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5832	07/30/21 09:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 07:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5902	07/30/21 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5917	07/31/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5865	07/30/21 10:06	CH	XEN MID
Soluble	Analysis	300.0		1			5907	08/01/21 00:05	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Job ID: 890-1018-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		rogram ELAP	Identification Number T104704400-20-21	Expiration Date 06-30-22
The following analyte the agency does not o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for v
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Description

Microextraction

Volatile Organic Compounds (GC)

Anions, Ion Chromatography

Closed System Purge and Trap

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Method Summary

Client: GHD Services Inc. Project/Site: Flamenco #1

Method

8015B NM

8015NM Prep

DI Leach

8021B

300.0

5035

Job ID: 890-1018-1

SDG: 11220747

I	Laboratory
	XEN MID
	XEN MID
J	XEN MID

SW846

SW846

SW846

SW846

ASTM

Protocol **MCAWW** XEN MID

XEN MID

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.

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: Flamenco #1

Job ID: 890-1018-1 SDG: 11220747

_ab Sample ID	Client Sample ID	Matrix	Collected	Received
390-1018-1	SB-41-2	Solid	07/27/21 12:35	07/28/21 11:45
90-1018-2	SB-41-4	Solid	07/27/21 12:40	07/28/21 11:45
90-1018-3	SB-41-10	Solid	07/27/21 12:45	07/28/21 11:45
90-1018-4	SB-41-15	Solid	07/27/21 12:50	07/28/21 11:45
390-1018-5	SB-42-2	Solid	07/27/21 14:15	07/28/21 11:45
390-1018-6	SB-42-4	Solid	07/27/21 14:20	07/28/21 11:45
390-1018-7	SB-42-10	Solid	07/27/21 14:25	07/28/21 11:45
390-1018-8	SB-42-15	Solid	07/27/21 14:30	07/28/21 11:45
390-1018-9	SB-23-2	Solid	07/27/21 15:00	07/28/21 11:45
390-1018-10	SB-23-4	Solid	07/27/21 15:05	07/28/21 11:45
390-1018-11	SB-39-10	Solid	07/26/21 13:20	07/28/21 11:45
390-1018-12	SB-39-15	Solid	07/26/21 13:25	07/28/21 11:45
390-1018-13	SB-27-2	Solid	07/26/21 09:30	07/28/21 11:45
390-1018-14	SB-27-4	Solid	07/26/21 16:30	07/28/21 11:45
390-1018-15	SB-27-10	Solid	07/26/21 16:35	07/28/21 11:45
390-1018-16	SB-27-15	Solid	07/26/21 16:40	07/28/21 11:45
390-1018-17	SB-20-2	Solid	07/27/21 09:00	07/28/21 11:45
390-1018-18	SB-20-4	Solid	07/27/21 09:05	07/28/21 11:45
390-1018-19	SB-20-10	Solid	07/27/21 09:10	07/28/21 11:45
90-1018-20	SB-20-15	Solid	07/27/21 09:15	07/28/21 11:45
390-1018-21	SB-17-2	Solid	07/26/21 09:20	07/28/21 11:45
390-1018-22	SB-17-4	Solid	07/26/21 11:30	07/28/21 11:45
390-1018-23	SB-17-10	Solid	07/26/21 11:35	07/28/21 11:45
390-1018-24	SB-17-15	Solid	07/26/21 11:40	07/28/21 11:45
90-1018-25	SB-13-2	Solid	07/25/21 09:00	07/28/21 11:45
390-1018-27	SB-13-10	Solid	07/25/21 09:10	07/28/21 11:45
90-1018-29	SB-39-2	Solid	07/26/21 09:25	07/28/21 11:45
90-1018-30	SB-39-4	Solid	07/26/21 13:15	07/28/21 11:45
90-1018-31	SB-23-10	Solid	07/27/21 15:10	07/28/21 11:45
390-1018-32	SB-13-4	Solid	07/25/21 09:05	07/28/21 11:45
90-1018-35	SB-13-18	Solid	07/25/21 09:25	07/28/21 11:45
390-1018-36	SB-13-30	Solid	07/25/21 09:30	07/28/21 11:45
90-1018-37	SB-40-2	Solid	07/26/21 16:50	07/28/21 11:45
390-1018-38	SB-40-4	Solid	07/26/21 16:55	07/28/21 11:45
90-1018-39	SB-40-10	Solid		07/28/21 11:45
90-1018-40	SB-40-15	Solid	07/26/21 17:05	07/28/21 11:45
90-1018-42	SB-21-2	Solid	07/27/21 10:30	07/28/21 11:45
90-1018-43	SB-21-4	Solid		07/28/21 11:45
90-1018-44	SB-21-10	Solid		07/28/21 11:45
90-1018-46	SB-21-20	Solid		07/28/21 11:45
390-1018-47	SB-32-2	Solid		07/28/21 11:45
390-1018-48	SB-32-4	Solid		07/28/21 11:45
90-1018-49	SB-32-10	Solid		07/28/21 11:45
90-1018-50	SB-32-15	Solid	07/27/21 15:35	

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Chain of Custody

2	_	t Testing	Midland,	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
	Xenco		EL Pas	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	-
					www.xenco.com Page of
Project Manager:	Becker Wackell		Bill to: (if different)	Janes Kermades	Work Order Comments
			Company Name:	0	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund [
4			Address:		
City State 7IP			City, State ZIP:		Reporting: Level II Level III PST/UST TRRP Level IV
	17100 121 6011	Email:	Buckey Hicke	sky 11 billit com	Deliverables: EDD ☐ ADaPT ☐ Other:
riidia.	0/-3	- Indian	7 5 5		
Project Name:	Flambull IF 1	Turn	Turn Around		ANALYSIS REQUEST Preservative Codes
	1177674	Routine	Rush	Pres.	None: NO DI Water: H ₂ O
Project Location:		Due Date:	Book	2	Cool: Cool MeOH: Me
Sampler's Name:	12	TAT starts the	TAT starts the day received by	7 (PA	HCL: HC HNO3: HN
PO #		the lab, if rec	the lab, if received by 4:30pm	CC	H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: (Yes) No	No Wet Ice:	Yes No	,60	H₃PO₄: HP
Samples Received Intact	Yes No	Thermometer ID:	FOO TWIN	102	NaHSO₄: NABIS
Cooler Custody Seals:	Yes No N/A Correc	Correction Factor:	2.0-	890-1018	Chain of Custody
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2		-
Total Containers:	Correc	Corrected Temperature:	0		NaOH+ASCOIDIC ACIG: SAPC
Sample Identification	fication Matrix Sampled	te Time pled Sampled	Depth Comp	tof Cont Cont 310	Sample Comments
8.13.2'	1292 t S	3363 12			
43-13 41	1 7.2	2621 6965			
58.13-6	2.6	2163 12.92			
	77	76.21 66/15			
13	7.7	C21 2420			
	77	8.71 0925			
53 (3-26)	77	28.50 2.90			
15-71 85	2921	621.25			
5317-4	7.7	1-76-21 1136			
33-17-10	1 72	W.11 11.25		4 4	
Total 200.7 / 6010	0 200.8 / 6020:	8RCRA 13PPM	PM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu F	Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U
Circle Method(s) and	Circle Method(s) and Metal(s) to be analyzed	TCLP / SH	TCLP / SPLP 6010: 8RCRA	RA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	n Mo Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this do	cument and relinquishment of sampl will be liable only for the cost of sam	es constitutes a valid p	ourchase order from ame any responsibili	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control	ntractors. It assigns standard terms and conditions I losses are due to circumstances beyond the control
of Eurofins Xenco. A minin	num charge of \$85.00 will be applied	to each project and a c	narge or 55 for each	A minimum charge of \$85.00 will be applied to each project and a charge of so for each sample submitted to currous a new year. These terms will be applied to each project and a charge of so for each sample submitted to currous analyzed. These terms will be applied to each project and a charge of so for each sample submitted to currous analyzed. The sample submitted to currous analyzed. The sample submitted to currous analyzed.	uro)
Relinquished by: (Signature)	7	Received by: (Signature)	ature)	Date/Time Relinquished by: (Signature)	Signature) Received by: (Signature) Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

Relinquished by: (Signature)

Received by: (Signature)

· 29.21 11.38 Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date 08/25/2020 Rev 2020 2

513-27-16

eurofins

Chain of Custody

NM (575) 392-7550, Carlsbad, NM (575) 988-3199	, TX (915) 585-3443, Lubbock, TX (806) 794-1296	FX (432) 704-5440, San Antonio, TX (210) 509-3334	n, TX (281) 240-4200, Dallas, TX (214) 902-0300
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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 WORK CITGE NO:
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page Z of S
Work Order Comments
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund [
Reporting: Level II
Deliverables: EDD ADaPT Other:
ANALYSIS REQUEST Preservative Codes
None: NO DI Water: H ₂ O
Cool: Cool MeOH: Me
H ₂ SO ₄ : H ₂ NaOH: Na
H ₃ PO ₄ ; HP
NaHSO, NABIS
Na ₂ S ₂ O ₃ : NaSO ₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC
Sample Comments
B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn U V Zn
Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470 /7471
otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions
service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

SAMPLE RECEIPT

Sampler's Name:

Project Location:

Project Name: Project Number:

City, State ZIP:

Project Manager:

ALO

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Revised Date 08/25/2020 Rev 2020.2

Chain of Custody

eurofins		Environment Testing	9	Houston, Midland, T)	Houston, TX (281) 240-4200. Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
	> NET CO			Hobbs, N	EL Paso, TX (915) 555-3443, Lubbock, TX (905) 794-1295 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com Page 3 of 5
Project Manager:			Bill t	Bill to: (if different)		Work Order Comments
Company Name:		, 	Con	Company Name:		Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
Address:			Add	Address:		State of Project:
City, State ZIP:		J	Cify	City, State ZIP:		Reporting: Level III 🗍 Level III 🗎 PST/UST 📗 TRRP 📗 Level IV
Phone:		\	Email:			Deliverables: EDD
Project Name:	\setminus		Turn Around	und	ANALYSIS REC	QUEST Preservative Codes
Project Number:]	Routine	Rush Code	6.	None: NO DI Water: H ₂ O
Project Location:		0	Due Date: 3	BOGY	()	Cool: Cool MeOH: Me
Sampler's Name:			TAT starts the day received by	received (
PO#		+			rr.	H DO : HB
Samples Received Intact:	Yes No	Thermometer ID:	2	ram	r,	NaHSO₄: NABIS
Cooler Custody Seals:	Yes No N/A	Correction Factor:	ctor:	D		Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No AMA	Temperature Reading:	Reading:		15	Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:	nperature:			NaCH+Ascorbic Acid: SAFC
Sample Identification	ion Matrix	Date Sampled	Time De	Depth Grab/ # of Comp Cont	Chle	Sample Comments
13.32.85	5	7.27 21	53/2	2		
513.21.10		7 12 12 6	111/			
58-21-15		7.27.21	19119			
513-11-2		1222 t	1335			
11.83		1.22.7	246			
513-41.10		7.2721	1245			
53-11-15		1. W.C	15.K.			
10-21:85		2.7571	14/15			
58-42-41		222	1641			
5342-10	42-	1274	1475	·	~ ~	
Total 200.7 / 6010	200.8 / 6020:	8RCRA	RA 13PPM	Texas 11 Al	1 /0 11	Mg Mn Mo Ni K Se
Circle Method(s) and Metal(s) to be analyzed	tal(s) to be anal		TCLP / SPLP 6010: 8RCRA	6010: 8RCR	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Ni Se Ag Ti U Hg: 1631/245.1/7470 /7471
Notice: Signature of this documer of service. Eurofins Xenco will be	nt and relinquishmen liable only for the co	t of samples constitues of samples constitues of samples and	tutes a valid purcha shall not assume a	ase order from clie	응 밑	rs. It assigns standard terms and conditions are due to circumstances beyond the control
Relinquished by (Signature) Received by: (Signature)	pature)	Received	Received by: (Signature)		Date/Time Relinquished by: (Signature)	Relinquished by: (Signature) Received by: (Signature) Date/Time
	/ omp	- INCOCIACO	CY. Colgination		_	

eurofins

Xenco

City, State ZIP:

Address: Company Name: Project Manager:

Chain of Custody

Reporting: Level II Level III PST/JST TRRP Level IV	City, State ZIP:	
State of Project:	Address:	
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Company Name:	K.
Work Order Comments	Bill to: (if different))
www.xenco.com Page 7 of		
	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	
	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Xenco
Work Order No:	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Environment Testing

Deliverables: EDD

ADaPT 🗆

)					
☐Routine [None: NO	DI Water: H ₂ O
		20)		Cool: Cool	MeOH: Me
TAT starts the da				HCL: HC	HNO ₃ : HN
the lab, if receive	rs			H ₂ SO ₄ : H ₂	NaOH: Na
Yes No Wet Ice:	No nete			H₃PO₄: HP	
Thermometer Ip:		iZi.		NaHSO ₄ : NABIS	
N/A Correction Factor:		101		Na ₂ S ₂ O ₃ : NaSO ₃	ω
N/A Temperature Reading:	9	14.51		Zn Acetate+NaOH: Zn)H: Zn
Corrected Temperature:		15		NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Time Sampled	Grab/ # of Comp Cont	TPH		Sample C	Sample Comments
7.2701 1432					
25% 12the to					
2331 1252 6					
2.521 122.2					
25.4! 12 mt					
7 W. 8 16 55					
		÷ ;-			
214-12.824				PI	58.41 21
7.28.21 1030		× × X			-
8RCRA 13PPM	Texas 11 Al	As Ba Be B Cd Ca Cr		ng SiO ₂ Na Sr TI Sn U	NZ V
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLF		As Ba Be Cd Cr Co Cu Pb M		lg: 1631 / 245.1 / 7470 /	7471
t of samples constitutes a valid purc ost of samples and shall not assume	hase order from client con any responsibility for any se of \$5 for each sample s	pany to Eurofins Xenco, its affiliates and subcolosses or expenses incurred by the client if such	ntractors. It assigns standard terms and c t losses are due to circumstances beyond tese terms will be enforced unless previou	onditions the control sly negotiated.	
Received by: (Signatur	е)	ate/Time Relinquished by: (Signature) Received by	e)	Date/Time
THE LAST	7.2	7.21 11.38 2			
	Due Date: Thermometer ID: Correction Factor: Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature: Date Sampled Sampled F. F. F. F. F. F. F. F. F. F. F. F. F. F	Due Date: 3 Detention Pres.	Due Date: 3 Dzczy TAT starts the day received by the lab, if received by 4:30pm starts the day received by 4:30pm rs Ves No Wet Ice: Yes No Thermometer IPS	Correction Facility Comp. Cont.	Due Date: \$\frac{1}{2}\text{Decen}{2}Decended by the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenced by 4.30pm for the ab. if eccenter is the ab. if eccenter is the ab. if eccenter is the ab. if eccenter is the ab. if eccenter is the ab. if eccenter is the ab. if eccenter is the absorbed ab. if eccenter is the absorbed abso

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SAMPLE RECEIPT

Cool: Cool HCL: HC

HNO3: HN MeOH: Me None: NO

DI Water: H₂O

Preservative Codes

Due Date: Routine

Email:

City, State ZIP: Address: Company Name:

Turn Around

ANALYSIS REQUEST

Rush

Pres.

Sampler's Name:

roject Location:

Project Number: Project Name:

Total Containers: Sample Custody Seals: Cooler Custody Seals: Samples Received Intact

eurofins Xenco Environment Testing

Address:

Company Name: Project Manager

City, State ZIP:

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

Bill to: (if different)

Work Order Comments
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project:
Reporting: Level II
Deliverables: EDD ☐ ADaPT ☐ Other:

	6						
	4						
	.29.21 1138 12	12.F		A Control	20		SW SW
Received by: (Signature) Date/Time	Date/Time Relinquished by: (Signature) Rece	Dat	ture)	Received by: (Signature)) Re	nature)	Relinquished by/(Signature)
to circumstances beyond the control be enforced unless previously negotiated.	ervice. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control ervice. Eurofins Xenco, A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotial	sibility for any los	me any respons	ples and shall not assu to each project and a c	the cost of sam will be applied	harge of \$85.00	ervice. Eurofins Xenco will urofins Xenco. A minimum
erms and conditions		rom client compa	urchase order f	os constitutos a valid n	hmant of comp	nt and rollinguis	no. Simpatura of this docum
Hg: 1631 / 245.1 / 7470 / 7471	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	RCRA Sb	LP 6010: 8	TCLP / SF	analyzed	etal(s) to be	cle Method(s) and Metal(s) to be analyzed
Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn U V Zn	Ba Be B Cd Ca Cr Co Cu Fe Pb Mg	11 Al Sb As	⊃M Texas 11	8RCRA 13PPM	20:	200.8 / 6020:	Total 200.7 / 6010
		<-	-		~		
12.76.816 1075M		1		Mest 122	22		3-32-21
	XX	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1711 1636	7.7:		3-32-15
	X			259112	1222		13-22-16
	×	×		7.2 1526	2 62 1		3-32-4
	×	×		721 1520	12 22-6		3.52-2'
HCUD! 58-21-27		1		121 15:50	12221		3-21-20
	X		_	171 10115	7.2771		15-21-15
	X	-		121 121	72721		8-21-12
	X	~ ~ X	C	121 1635	1272 5		8-21-4
Sample Comments	1191	np Cont	Depth Comp	pled Sampled	Matrix Sampled		Sample Identification
NaOH+Ascorpic Acid: SAFC	1 SC		Grah	- Tem	Corre		tal Containers:
Zn Acetate+NaCH: Zn	100		4	Femperature Reading:	N/A Temp	Yes No	mple Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃		l L	1	Correction Factor:	N/A Corre	Yes No	oler Custody Seals:
NaHSO ₄ . NABIS		arar) 	Thermometer ID:	No Therm	Yes	mples Received Intact:
H₃PO₄; HP	.614	nete	Yes No	No Wet Ice:	nk: Yes No	Temp Blank:	AMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na	V.,.	<u> </u>	the lab, if received by 4:30pm	the lab, if rec			#
HCL: HC HNO3: HN	9 14	Бу	TAT starts the day received by	TAT starts the		0	mpler's Name:
<u> </u>	1.0		3 Peru	Due Date:		1	oject Location:

Chain of Custody Record

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Ξ	-	-	
			-

Custody Seals Intact. Custody Seal No ∆ Yes ∆ No	Relinquished by	Reinquisited by	32-C (Term) and Marienthinas	Empty Kit Relinquished by	Deliverable Requested I, II III, IV Ottlet (specify)	Unconfirmed	Possible Hazard Identification	Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract i maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	SB-23-2 (890-1018-9)	SB-42-15 (890-1018-8)	SB-42-10 (890-1018-7)	SB-42-4 (890-1018-6)	SB-42-2 (890-1018-5)	SB-41-15 (890-1018-4)	SB-41-10 (890-1018-3)	SB-41-4 (890-1018-2)	SB-41-2 (890-1018-1)		Sample Identification - Client ID (Lab ID)	Site.	Project Name: Flamenco #1	Email:	Phone 432-704-5440(Tel)	State, Zip. TX, 79701	City: Midland	1211 W Florida Ave, ,	Eurofins Xenco	Shipii ouriad. Shipiing/Receiving	Client Information (Sub Contract Lab)	1089 N Canal St. Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199	
	Date/Time.	Date/Time	S Tare/ime	Date	Primary Deliverable Rank			o LLC places the ownership of natrix being analyzed the samp e, return the signed Chain of C	7/27/21 M	7/27/21 M	7/27/21 M	7/27/21 M	7/27/21 M	7/27/21 M	7/27/21 M	7/27/21 M	7/27/21 M	N	Sample Date	SSOW#:	Project # 88000221	#:	PO#:		TAT Requested (days)	Due Date Requested 8/3/2021		rnone:	Sampler		
	77 10 10 10 10 10 10 10 10 10 10 10 10 10		7777	ite	e Rank 2			method analyte & accreples must be shipped ba	15 00 Mountain	14 30 Mountain	14 25 Mountain	14 20 Mountain	14 15 Mountain	12 50 Mountain	12 45 Mountain	12 40 Mountain	12 35 Jountain	1 39 mm	Sample Type Sample (C=comp,)					Chain of Custody Record	
	Company	Company	Company	Time				editation compliance unck to the Eurofins Xer complicance to Eurofi	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Preservation Code: X	Matrix (W-water S=solid, O=wasteroil, BT=Tissue, A=Air) F	Samp			o) /	7/455			Aca NEI	E-Mail. debbie sı	Lab PM Simmons	stody Rec	
Cooler Temperature(s) °C and Other Remarks.	Received by:	Received by UN UN	Registres San ///////////////////////////////////	ne // ////	Special Instructions/QC/Requirements	Return To Client	Sample Disposal (A fee may be assessed if samples		× × ×	× × × ×	× × ×	× × ×	× × ×	× × ×	× × ×	× ×	×		Perform MS/N 8015MOD_NM/8 8021B/5035FP_ 300_ORGFM_28	015NN Calc B	I_S_Pr TEX (b	ep Full ulk jar	FP pro			Analysis I	Accreditations Required (See note). NELAP - Louisiana, NELAP - Texas	e-Mail. debbie sımmons@eurofinset.com	Lab PM Simmons, Debbie	ord	
er Remarks.	Date/Time:	Date/Time	Denty	Method of Shipment:	ements	Disposal By Lab	be assessed if sample:	This sample shipment is forwarded under chain-of-custody tions will be provided. Any changes to accreditation status s																		Analysis Requested		State of Origin New Mexico	Carrier Tracking No(s):		
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Eurofins Xenco, Carlsbad

Chain of Custody Record

** eurofins | Environment Testing | America

Carlsbad, NM 88220 Phone 575-988-3199 Fax. 575-988-3199			ialli oi custody Record	Zec	orq													Am	Environment Testing America
Client Information (Sub Contract Lab)	Sampler			Lab PM Simmons, Debbie	Debbie					Carrier Tracking No(s)	rackin	No(s)				8 S	COC No:		
Client Contact. Shipping/Receiving	Phone			E-Mail. debbie sımmons@eurofinset	mons@	niforuse	set com	3	7 (0)	State of Origin	Origin				_	Page:	Page:		
Company Eurofins Xenco				Accrec	Accreditations Required (See r	equired (ote) AP - Texas	L							# do #	Job #:		
Address 1211 W Florida Ave,	Due Date Requested 8/3/2021	ed		_				nalvsis	Requested	leste	5		Ì		_	rese	Preservation Codes:	es:	
City Midland	TAT Requested (days):	ays):					_				- -	\exists				A - HCL B - NaO	, P		Hexane None
State Zip: TX, 79701	:					P)		·					***************************************		Alexandra Marienta	D Nitric A	4 Cide	0 T C	ASNACZ Na2O4S Na2SO3
Phone: 432-704-5440(Tel)	PO#:			»)											7,	G F An Me	7	σ z ₂	la2S2O3 12SO4
Email.	WO#:			000000000000000000000000000000000000000	p Full												corbic Acid Water	< C -	T TSP Dodecahydrate U Acetone V MCAA
Project Name: Flamenco #1	Project #: 88000221			0.000	S_Pr											K EDT	⊳	N ≶ ·	pH 4-5 other (specify)
Site	SSOW#			one programme of	015NM											Other:			
		San	Sample (w=water Type S=solid. O=waste/oil.	Filtered	MOD_NM/8 B/5035FP_	ORGFM_28				****					Number	j			
Sample Identification - Client ID (Lab ID)	Sample Date	100		Fie	801	<u> </u>				-					Tota		Special In	struc	Special Instructions/Note:
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Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboral maintain accreditation in the State of Origin listed above for analysis/fests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC	blaces the ownership being analyzed the s rn the signed Chain	of method anal amples must be of Custody attest	yte & accreditation con shipped back to the Ei ling to said complicand	npliance upo ırofins Xenco e to Eurofins	n out subo	contract la ratory or C	aboratori other ins	es This structions	sample will be	shipm	entisfi ed Any	orward	ed und	er cha accrec	in-of-	custoc	dy If the labor us should be b	ratory or	tories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco
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Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record eurofins Environment Testing

In Page 1 of 3 Job #: 890-326 1 Page 1 of 3 Job #: 890-1018-1 Preservation Codes: A - HCL M - Hexane B - NaOH C Zn Acetate C Zn A
--

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad NM 88220

🐎 eurofins

Environment Testing America

Chain of Custody Record

Phone 5/5-988-3199 Fax 5/5-988-3199						İ							ĺ	ĺ	ĺ		ĺ				No.			
Client Information (Sub Contract Lab)	Sampler:			Lab PM Simmo	Lab PM Simmons Debbie	Debl	bie				0	Carrier Tracking No(s)	racki	oN gr	s)			8 0	COC No 890-326 2					
- 1	Phone			E-Mail debbi	E-Mail debbie simmons@eurofinset.	nmon	s@e	urofir	set.com		7 V	State of Origin	Origin	0 -				Page Page	Page Page 2 of 3	ω				
Company Eurofins Xenco					Accreditations Required (See NELAP - Louisiana NE	Accreditations Required (See NELAP - Louistana NE	s Req	uired (ana	See note) NELAP -	Texas	.							.+ 4oF	Job #: 890-1018-1	_				
^{Address} 1211 W Flonda Ave,	Due Date Requested 8/2/2021	a.							Analysis	sis	Requested	este	ğ					Pre	Preservation Codes: A HCL M	n Cod	- 1	Hexane		
Olly Midland	TAT Requested (days)	ys)				anesterone)												(C B)	NaOH Zn Acetate	ē	0 Z :	None AsNaO	.~	
State Zip TX 79701					ardan	· NM	ep)												Nitric Acid NaHSO4	Δ.		Na2O4S Na2SO3	5 W 0	
Phone 432-704-5440(Tel)	PO#:				<u>o)</u>	TPH .	FP pro	de											Amchlor Ascorbic Acid	Acid		2SO4 2Do	Nazszos H2SO4 TSP Dodecahydrate	drate
imali*	WO #:					habarda da a bad	ulk jar	Chlor									rs		lce DI Water			Acetone MCAA	•	
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Site	SSOW#:					C. S. S. Para S. S. S. S.	Calc B	D/DI_L									of co	Other	er:					
			Sample Type	Watr'IX (W=water S=solid, O=waste/oil,	Filtered	MOD_NM/8	B/5035FP_	DRGFM_2					-			vm	l Number	All describe						
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	3=grab) م=Air)	-		802	300			-	+	1	+	-	1	Сто		Spec	Special Instructions/Note	struc	tions	No.	
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SB-21-10 (890-1018-44)	7/27/21	10 40 Mountain		Solid		×	×	X										lui fice and						
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SB-21-20 (890-1018-46)	7/27/21	10 50 Mountain		Solid		×	×	×									4	Tan sandadoria 200						
SB-32-2 (890-1018-47)	7/27/21	15 20 Mountain		Solid		×	×	×																
SB-32-4 (890-1018-48)	7/27/21	15 25 Mountain		Solid		×	×	×								<u> </u>	4	Street man						
SB-32-10 (890-1018-49)	7/27/21	15 30 Mountain		Solid		×	×	×				-			_		-	total month						
Note: Since laboratory accreditations are subject to change Eurofins Xeroo 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/tests/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 complicance to Eurofins Xenco LLC.	places the ownership being analyzed the sa arm the signed Chain o	of method ar amples must b of Custody atte	alyte & accrede shipped bacesting to said c	ditation compliansk to the Eurofin	nce upo s Xenco	o LLC I	subcor labora o LLC	tract l	aboratories other instru	This suctions v	ample vill be	shipm orovide	entis ed Ar	forwar iy chai	ded ui	nder o	hain-d editat	of-cust	iody If th	le labora ld be bro	atory d ought	oes no	of curre	enco
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Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record

	,	: Sellrofine
America	Environment Testing	

Phone 575-988-3199 Fax: 575-988-3199 Client Information (Sub Contract Lab)	Sampler			Lab PM Simmo	Lab PM Simmons Debbie	bbie				Ca	Carrier Tracking No(s)	acking	lo(s)			COC No:	Affierica
Client Contact: Shipping/Receiving	Phone:			E-Mail debbi	E-Mail debbie simmons@eurofi)ns@e(ırofinse	nset.com		Zg	State of Origin: New Mexico	rigin:				Page: Page 3 of 3	
Company: Eurofins Xenco					Accreditations Required NELAP - Louisiana	ons Requ	iired (Sei ana, NE	(See note) , NELAP - Texas	Texas	- 1	İ	ı				Job #: 890-1018-1	
Address 1211 W Florida Ave,	Due Date Requested 8/2/2021	ă						Analvsis Requested	Sis T	PO	stec	_				Preservation Codes:	les:
City Midland	TAT Requested (days)	ays)				_				- 2				_	,,,,	A HCL B NaOH	M Hexane N None
State, Zip: TX, 79701													····		R _{igi}		
Phone. 432-704-5440(Tel)	PO#:				w)		de										
Email.	WO #:				Yo)		Chlori								S *		U Acetone V - MCAA
Project Name: Flamenco #1	Project #: 88000221				95 OT		EACH								taine	K EDTA L EDA	W pH 4-5 Z other (specify)
Site	SSOW#				SD (Y		D/DI_L								of con	Other	
		Sample	Sample Type (C=comp,	Matrix (W=water S=solid, O=waste/oil, BT=Tissue,	ld Filtered	5MOD_NM/8 1B/5035FP_0	_ORGFM_28								al Number		
Sain pre identification - Cheff ID (Lab ID)	Sample Date	Ime	G=grab) Preserva	σ=grab) _{A=Air}) Preservation Code:	₹ P	dis	30				-	See S		*	Z T(Ť	Special Instructions/Note
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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/tests/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 complicance to Eurofins Xenco LLC.	places the ownershi being analyzed the s im the signed Chain	of method ar amples must b of Custody atte	nalyte & accrec e shipped bac esting to said c	litation complik to the Eurofi omplicance to	ance upon ou ns Xenco LL Eurofins Xei	It subcor C laborat	itract lab	oratories ner instr	This suctions	iample vill be p	shipmer	nt is for Any	wardec xhange	under s to ac	chain- credita	of-custody If the labor	ratory does not currently rought to Eurofins Xenco
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Custody Seals Intact. Custody Seal No Δ Yes Δ No					Q	ooler Ter	Cooler Temperature(s) °C and Other Remarks	(s) °C a	nd Othe	r Rema	кs						

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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1018-1

SDG Number: 11220747

Login Number: 1018 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

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	

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Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1018-1

SDG Number: 11220747

Login Number: 1018
List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 07/29/21 10:37 AM

Creator: Copeland, Tatiana

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	

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Login Sample Receipt Checklist

Client: GHD Services Inc. Job Number: 890-1018-1 SDG Number: 11220747

Login Number: 1018 List Source: Eurofins Xenco, Midland List Creation: 07/30/21 11:28 AM List Number: 3

Creator: Lowe, Katie

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	
s 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: 890-1065-1

Laboratory Sample Delivery Group: 11220747

Client Project/Site: Flamenco #1

For:

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

Attn: Becky Haskell

Delbie Simmons

Authorized for release by: 8/11/2021 3:17:04 PM

Debbie Simmons, Project Manager (281)240-4200

debbie.simmons@eurofinset.com

LINKS

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Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/2/2022 3:37:29 PM

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.

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Client: GHD Services Inc.
Project/Site: Flamenco #1

Laboratory Job ID: 890-1065-1 SDG: 11220747

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	16
Lab Chronicle	
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receint Checklists	27

Definitions/Glossary

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Qualifiers

GC VOA	
Qualifier	

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. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control lin

mits Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	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" Minimum Detectable Activity (Radiochemistry) MDA 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**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Job ID: 890-1065-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1065-1

Receipt

The samples were received on 8/6/2021 11:44 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 5.8°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-10-105 (890-1065-4), MW-11-80 (890-1065-7), (890-1064-A-8-B MS) and (890-1064-A-8-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: MW-10-4

Date Received: 08/06/21 11:44

Lab Sample ID: 890-1065-1 Date Collected: 08/03/21 10:25

Matrix: Solid

08/10/21 11:35

08/10/21 11:35

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		08/09/21 10:01	08/09/21 16:57	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/09/21 10:01	08/09/21 16:57	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/09/21 10:01	08/09/21 16:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/09/21 10:01	08/09/21 16:57	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/09/21 10:01	08/09/21 16:57	1
Xylenes, Total	< 0.00404	U	0.00404	0.00102	mg/Kg		08/09/21 10:01	08/09/21 16:57	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/09/21 10:01	08/09/21 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/09/21 10:01	08/09/21 16:57	1

. =:0:::0::0::0::0::0::0::0::0::0::0::0::0							00/00/21 10:01	00,00,21 10.01	•
1,4-Difluorobenzene (Surr)	111		70 - 130				08/09/21 10:01	08/09/21 16:57	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 08:52	08/10/21 11:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U F1	50.0	15.0	mg/Kg		08/10/21 08:52	08/10/21 11:35	1
C10-C28)									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	08/10/21 08:52	08/10/21 11:35	1
o-Terphenyl	104		70 - 130	08/10/21 08:52	08/10/21 11:35	1

50.0

50.0

15.0 mg/Kg

15.0 mg/Kg

08/10/21 08:52

08/10/21 08:52

<50.0 U

<50.0 U

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2.43	J	4.97	0.853	mg/Kg			08/10/21 17:48	1

Lab Sample ID: 890-1065-2 Client Sample ID: MW-10-40 Date Collected: 08/03/21 11:10 **Matrix: Solid**

Date Received: 08/06/21 11:44

Oll Range Organics (Over C28-C36)

Total TPH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/09/21 10:01	08/09/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/09/21 10:01	08/09/21 17:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/09/21 10:01	08/09/21 17:23	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 08:52	08/10/21 15:11	1

Job ID: 890-1065-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: MW-10-40

Lab Sample ID: 890-1065-2

Date Collected: 08/03/21 11:10 Date Received: 08/06/21 11:44

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 08:52	08/10/21 15:11	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 08:52	08/10/21 15:11	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 08:52	08/10/21 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/10/21 08:52	08/10/21 15:11	1
o-Terphenyl	97		70 - 130				08/10/21 08:52	08/10/21 15:11	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	0	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: MW-10-80 Lab Sample ID: 890-1065-3 Date Collected: 08/04/21 15:10

4.98

0.855 mg/Kg

77.8

Date Received: 08/06/21 11:44

Chloride

Matrix: Solid

08/10/21 17:53

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac RL Benzene <0.00199 Ū 0.00199 0.000383 08/09/21 10:01 08/09/21 17:49 mg/Kg Toluene <0.00199 U 0.00199 0.000454 mg/Kg 08/09/21 10:01 08/09/21 17:49 Ethylbenzene <0.00199 U 0.00199 0.000563 mg/Kg 08/09/21 10:01 08/09/21 17:49 m-Xylene & p-Xylene <0.00398 U 0.00398 0.00101 mg/Kg 08/09/21 10:01 08/09/21 17:49 o-Xylene <0.00199 U 0.00199 0.000343 mg/Kg 08/09/21 10:01 08/09/21 17:49 08/09/21 10:01 Xylenes, Total <0.00398 U 0.00398 0.00101 mg/Kg 08/09/21 17:49 Total BTEX <0.00398 U 0.00398 0.00101 mg/Kg 08/09/21 10:01 08/09/21 17:49

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	126		70 - 130	08/09/21 10:01	08/09/21 17:49	1
l	1,4-Difluorobenzene (Surr)	107		70 - 130	08/09/21 10:01	08/09/21 17:49	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Dil Fac RL Prepared Analyzed **Gasoline Range Organics** 49.9 08/09/21 09:15 08/09/21 18:20 24.3 J 15.0 mg/Kg (GRO)-C6-C10 <49.9 U 49.9 08/09/21 09:15 08/09/21 18:20 Diesel Range Organics (Over 15.0 mg/Kg C10-C28) <49.9 U 49.9 08/09/21 09:15 08/09/21 18:20 Oll Range Organics (Over C28-C36) 15.0 mg/Kg 49.9 08/09/21 09:15 08/09/21 18:20 **Total TPH** 24.3 J 15.0 mg/Kg

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	08/09/21 09:15	08/09/21 18:20	1
o-Terphenyl	117		70 - 130	08/09/21 09:15	08/09/21 18:20	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.14 J	5.04	0.865 mg/Kg]		08/10/21 18:10	1

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: MW-10-105

Lab Sample ID: 890-1065-4

Date Collected: 08/04/21 16:30 Matrix: Solid Date Received: 08/06/21 11:44

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/09/21 10:01	08/09/21 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				08/09/21 10:01	08/09/21 18:14	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/09/21 10:01	08/09/21 18:14	1
Method: 8015B NM - Diesel Ranç Analyte	,	, , ,	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		()							
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Analyte Gasoline Range Organics	,	Qualifier	RL 49.8	MDL 14.9	Unit mg/Kg	<u>D</u>	Prepared 08/09/21 09:15	Analyzed 08/09/21 18:41	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result 22.8	Qualifier J	49.8	14.9	mg/Kg	<u>D</u>	08/09/21 09:15	08/09/21 18:41	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier J		14.9		<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10	Result 22.8	Qualifier J U	49.8	14.9	mg/Kg	<u>D</u>	08/09/21 09:15	08/09/21 18:41	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 22.8	Qualifier J U	49.8	14.9 14.9 14.9	mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15	08/09/21 18:41 08/09/21 18:41	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 22.8 <49.8 <49.8	Qualifier J U U J	49.8 49.8 49.8	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15	08/09/21 18:41 08/09/21 18:41 08/09/21 18:41	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result 22.8 <49.8 <49.8 22.8	Qualifier J U U J	49.8 49.8 49.8 49.8	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15	08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 08/09/21 18:41	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result 22.8 < 49.8 < 22.8 < 22.8 < 22.8 < 22.8 < 3.8 < 22.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8 < 3.8	Qualifier J U U J	49.8 49.8 49.8 49.8 <i>Limits</i>	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 Prepared	08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 Analyzed	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result 22.8 <49.8 <49.8 22.8 %Recovery 105 116	Qualifier J U U J Qualifier	49.8 49.8 49.8 49.8 49.8 Limits 70 - 130	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 Prepared 08/09/21 09:15	08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 Analyzed 08/09/21 18:41	1 1 1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result 22.8 <49.8 <49.8 22.8 **Recovery 105 116 comatography -	Qualifier J U U J Qualifier	49.8 49.8 49.8 49.8 49.8 Limits 70 - 130	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 Prepared 08/09/21 09:15	08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 08/09/21 18:41 Analyzed 08/09/21 18:41	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: MW-11-4 Lab Sample ID: 890-1065-5 Date Collected: 08/05/21 09:15 **Matrix: Solid**

Date Received: 08/06/21 11:44

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/09/21 10:01	08/09/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				08/09/21 10:01	08/09/21 18:40	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/09/21 10:01	08/09/21 18:40	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.6	J	49.9	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:01	1

Job ID: 890-1065-1

SDG: 11220747

Client Sample ID: MW-11-4

Client: GHD Services Inc.

Project/Site: Flamenco #1

Chloride

Date Collected: 08/05/21 09:15 Date Received: 08/06/21 11:44

Lab Sample ID: 890-1065-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:01	1
Total TPH	16.6	J	49.9	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/09/21 09:15	08/09/21 19:01	1
o-Terphenyl	129		70 - 130				08/09/21 09:15	08/09/21 19:01	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	0 . ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: MW-11-30 Lab Sample ID: 890-1065-6

4.98

0.855 mg/Kg

Date Collected: 08/05/21 09:50 Date Received: 08/06/21 11:44

<4.98 U

08/10/21 18:21

Matrix: Solid

Method: 8021B - Volatile Or Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202		0.00202	0.000389		_ <u>-</u>	08/09/21 10:01	08/09/21 19:06	1
Toluene	0.000519	J	0.00202	0.000461	mg/Kg		08/09/21 10:01	08/09/21 19:06	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/09/21 10:01	08/09/21 19:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/09/21 10:01	08/09/21 19:06	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/09/21 10:01	08/09/21 19:06	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/09/21 10:01	08/09/21 19:06	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/09/21 10:01	08/09/21 19:06	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120	70 - 130	08/09/21 10:01	08/09/21 19:06	1
1,4-Difluorobenzene (Surr)	112	70 - 130	08/09/21 10:01	08/09/21 19:06	1

l	Method: 8015B NM - Diesel Rang	ge Organics (DRO) (GC)
ı	Analyte	Result Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:22	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:22	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/09/21 09:15	08/09/21 19:22	1
o-Terphenyl	117		70 - 130				08/09/21 09:15	08/09/21 19:22	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109	4.95	0.850	mg/Kg			08/10/21 18:26	1

Client Sample Results

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1065-1

SDG: 11220747

RL

0.00200

0.00200

0.00200

0.00401

0.00200

0.00401

0.00401

MDL Unit

0.000386 mg/Kg

0.000457 mg/Kg

0.000566 mg/Kg

0.00101 mg/Kg

0.000345 mg/Kg

0.00101 mg/Kg

0.00101 mg/Kg

Client Sample ID: MW-11-80

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Total BTEX

m-Xylene & p-Xylene

Method: 8021B - Volatile Organic Compounds (GC)

Date Collected: 08/05/21 13:40
Date Received: 08/06/21 11:44

Result Qualifier

<0.00200 U

<0.00200 U

<0.00200 U

0.00337 J

0.00148 J

0.00485

0.00485

Lab Sample ID: 890-1065-7

Matrix: Solid

D	Prepared	Analyzed	Dil Fac
_	08/09/21 10:01	08/09/21 20:48	1
	08/09/21 10:01	08/09/21 20:48	1
	08/09/21 10:01	08/09/21 20:48	1
	08/09/21 10:01	08/09/21 20:48	1
	08/09/21 10:01	08/09/21 20:48	1

08/09/21 20:48

08/09/21 20:48

08/09/21 10:01

08/09/21 10:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	08/09/21 10:01	08/09/21 20:48	1
1,4-Difluorobenzene (Surr)	87		70 - 130	08/09/21 10:01	08/09/21 20:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	21.4	J	49.8	14.9	mg/Kg		08/09/21 09:15	08/09/21 19:42	
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/09/21 09:15	08/09/21 19:42	
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/09/21 09:15	08/09/21 19:42	
Total TPH	21.4	J	49.8	14.9	mg/Kg		08/09/21 09:15	08/09/21 19:42	

Surrogate	%Recovery	Qualifier	Limits	Prepare	d	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130	08/09/21 09	9:15	08/09/21 19:42	1	
o-Terphenyl	103		70 - 130	08/09/21 09	⊋:15	08/09/21 19:42	1	

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.29	J	4.97	0.853	mg/Kg			08/10/21 18:32	1

 Client Sample ID: MW-11-100
 Lab Sample ID: 890-1065-8

 Date Collected: 08/05/21 15:15
 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/09/21 10:01	08/09/21 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/09/21 10:01	08/09/21 21:14	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/09/21 10:01	08/09/21 21:14	1

Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	30.7	J	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 20:03	1
(GRO)-C6-C10									

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Date Received: 08/06/21 11:44

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: MW-11-100

Date Collected: 08/05/21 15:15 Date Received: 08/06/21 11:44

Lab Sample ID: 890-1065-8 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 20:03	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 20:03	1
Total TPH	30.7	J	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/09/21 09:15	08/09/21 20:03	1
o-Terphenyl	105		70 - 130				08/09/21 09:15	08/09/21 20:03	1
-									
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Chloride 7.71 0.857 mg/Kg 08/10/21 18:37

Client Sample ID: MW-11-105 Lab Sample ID: 890-1065-9 Date Collected: 08/05/21 15:50 **Matrix: Solid** Date Received: 08/06/21 11:44

Method: 8021B - Volatile Organic									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
o-Xylene	0.000381	J	0.00199	0.000342	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/09/21 10:01	08/09/21 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 _ 130				08/09/21 10:01	08/09/21 21:40	1
1,4-Difluorobenzene (Surr)	74		70 - 130				08/09/21 10:01	08/09/21 21:40	1
Method: 8015B NM - Diesel Rang	, ,	, , ,				_			
- -									
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	, ,	Qualifier	RL 50.0			<u>D</u>	Prepared 08/09/21 09:15	Analyzed 08/09/21 20:23	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	50.0	15.0	mg/Kg	<u>D</u>	08/09/21 09:15	08/09/21 20:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		15.0		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	50.0	15.0 15.0	mg/Kg	<u>D</u>	08/09/21 09:15	08/09/21 20:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15	08/09/21 20:23 08/09/21 20:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15	08/09/21 20:23 08/09/21 20:23 08/09/21 20:23	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15	08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 08/09/21 20:23	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 Prepared	08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 Analyzed	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 Prepared 08/09/21 09:15	08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 Analyzed 08/09/21 20:23	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 08/09/21 09:15 Prepared 08/09/21 09:15	08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 08/09/21 20:23 Analyzed 08/09/21 20:23	1 1 1

Surrogate Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1065-1

SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1065-1	MW-10-4	124	111	
890-1065-2	MW-10-40	112	109	
890-1065-3	MW-10-80	126	107	
890-1065-4	MW-10-105	149 S1+	78	
890-1065-5	MW-11-4	125	111	
890-1065-6	MW-11-30	120	112	
890-1065-7	MW-11-80	142 S1+	87	
890-1065-8	MW-11-100	100	90	
890-1065-9	MW-11-105	129	74	
LCS 880-6242/1-A	Lab Control Sample	119	106	
LCSD 880-6242/2-A	Lab Control Sample Dup	111	111	
	Method Blank	73	94	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-1065-1	MW-10-4	92	104	
390-1065-1 MS	MW-10-4	90	87	
390-1065-1 MSD	MW-10-4	85	85	
390-1065-2	MW-10-40	88	97	
390-1065-3	MW-10-80	112	117	
390-1065-4	MW-10-105	105	116	
390-1065-5	MW-11-4	115	129	
390-1065-6	MW-11-30	103	117	
390-1065-7	MW-11-80	95	103	
390-1065-8	MW-11-100	96	105	
390-1065-9	MW-11-105	98	109	
CS 880-6236/2-A	Lab Control Sample	106	103	
CS 880-6283/2-A	Lab Control Sample	85	92	
CSD 880-6236/3-A	Lab Control Sample Dup	95	93	
_CSD 880-6283/3-A	Lab Control Sample Dup	88	95	
MB 880-6236/1-A	Method Blank	103	112	
MB 880-6283/1-A	Method Blank	92	106	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-1065-1

SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-6242/5-A

Matrix: Solid

Analysis Batch: 6247

Client: GHD Services Inc.

Project/Site: Flamenco #1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6242

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/09/21 10:01	08/09/21 14:46	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/09/21 10:01	08/09/21 14:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/09/21 10:01	08/09/21 14:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/09/21 10:01	08/09/21 14:46	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/09/21 10:01	08/09/21 14:46	1
Xylenes, Total	< 0.00400	U	0.00400	0.00101	mg/Kg		08/09/21 10:01	08/09/21 14:46	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/09/21 10:01	08/09/21 14:46	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73	70 - 130	08/09/21 10:01	08/09/21 14:46	1
1,4-Difluorobenzene (Surr)	94	70 - 130	08/09/21 10:01	08/09/21 14:46	1

Lab Sample ID: LCS 880-6242/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 6247

Prep Type: Total/NA

Prep Batch: 6242

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier L	Jnit D	%Rec	Limits	
Benzene	0.100	0.1052	n	ng/Kg	105	70 - 130	
Toluene	0.100	0.1093	n	ng/Kg	109	70 - 130	
Ethylbenzene	0.100	0.1053	n	ng/Kg	105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2054	n	ng/Kg	103	70 - 130	
o-Xylene	0.100	0.1028	n	ng/Kg	103	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-6242/2-A

Matrix: Solid

Analysis Batch: 6247

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6242

	Spike	LCSD LCSD				%Rec.		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1065	mg/Kg	_	106	70 - 130	1	35
Toluene	0.100	0.1084	mg/Kg		108	70 - 130	1	35
Ethylbenzene	0.100	0.1046	mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2042	mg/Kg		102	70 - 130	1	35
o-Xylene	0.100	0.1020	mg/Kg		102	70 - 130	1	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1.4-Difluorobenzene (Surr)	111	70 - 130

Job ID: 890-1065-1

SDG: 11220747

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

Lab Sample ID: MB 880-6236/1-A

Matrix: Solid Analysis Batch: 6234

Client: GHD Services Inc.

Project/Site: Flamenco #1

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 6236

l		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 11:44	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 11:44	1
	C10-C28)									
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 11:44	1
	Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/09/21 09:15	08/09/21 11:44	1
ı										

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	08/09/21 09:15	08/09/21 11:44	1
o-Terphenyl	112		70 - 130	08/09/21 09:15	08/09/21 11:44	1

Lab Sample ID: LCS 880-6236/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 6234

Analysis Batch: 6234							Pre	ep Batch: 6236
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1014		mg/Kg		101	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1047		mg/Kg		105	70 - 130	

Prep Type: Total/NA

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-6236/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 6234							Pre	p Batch	: 6236
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	929.7		mg/Kg		93	70 - 130	9	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	943.9		mg/Kg		94	70 - 130	10	20

C10-C28)

	LCSD I	LCSD	
Surrogate	%Recovery (Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: MB 880-6283/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA Prep Batch: 6283 **Analysis Batch: 6274**

	MB	MB							
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		08/10/21 08:52	08/10/21 10:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 08:52	08/10/21 10:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 08:52	08/10/21 10:26	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 08:52	08/10/21 10:26	1

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Page 13 of 28

QC Sample Results

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

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

	МВ	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	08/10/21 08:52	08/10/21 10:26	1
o-Terphenyl	106		70 - 130	08/10/21 08:52	08/10/21 10:26	1

Lab Sample ID: LCS 880-6283/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6274** Prep Batch: 6283 Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 867.7 87 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1043 mg/Kg 104 70 - 130 C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 85 70 - 130 o-Terphenyl 92 70 - 130

Lab Sample ID: LCSD 880-6283/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6274** Prep Batch: 6283

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 88 20 Gasoline Range Organics 1000 875.1 mg/Kg 70 - 130(GRO)-C6-C10 Diesel Range Organics (Over 1000 1085 109 mg/Kg 70 - 13020 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 88 70 - 130 o-Terphenyl 95

Lab Sample ID: 890-1065-1 MS Client Sample ID: MW-10-4 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 6274 Prep Batch: 6283

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.0	U	995	1083		mg/Kg		109	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U F1	995	1364	F1	mg/Kg		137	70 - 130	
C10-C28)										

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 90 70 - 130 o-Terphenyl 87 70 - 130

Lab Sample ID: 890-1065-1 MSD Client Sample ID: MW-10-4 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6274** Prep Batch: 6283

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 998 1063 106 mg/Kg 70 - 130

(GRO)-C6-C10

QC Sample Results

Job ID: 890-1065-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: 890-1065-1 MSD Client Sample ID: MW-10-4 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6274** Prep Batch: 6283

_	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (Over	<50.0	U F1	998	1346	F1	mg/Kg		135	70 - 130	1	20
C10-C28)											

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6290/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6291

мв мв Result Qualifier Analyte RLMDL Unit D Prepared Analyzed Dil Fac 5.00 08/10/21 15:58 Chloride <5.00 U 0.858 mg/Kg

Lab Sample ID: LCS 880-6290/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6291

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 263.1 105 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-6290/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6291

LCSD LCSD RPD Spike %Rec. Analyte Added Qualifier Result Unit %Rec Limits Limit Chloride 250 265.2 mg/Kg 106 90 - 110 20

QC Association Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1065-1

SDG: 11220747

GC VOA

Prep Batch: 6242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-1	MW-10-4	Total/NA	Solid	5035	
890-1065-2	MW-10-40	Total/NA	Solid	5035	
890-1065-3	MW-10-80	Total/NA	Solid	5035	
890-1065-4	MW-10-105	Total/NA	Solid	5035	
890-1065-5	MW-11-4	Total/NA	Solid	5035	
890-1065-6	MW-11-30	Total/NA	Solid	5035	
890-1065-7	MW-11-80	Total/NA	Solid	5035	
890-1065-8	MW-11-100	Total/NA	Solid	5035	
890-1065-9	MW-11-105	Total/NA	Solid	5035	
MB 880-6242/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6242/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6242/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 6247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-1	MW-10-4	Total/NA	Solid	8021B	6242
890-1065-2	MW-10-40	Total/NA	Solid	8021B	6242
890-1065-3	MW-10-80	Total/NA	Solid	8021B	6242
890-1065-4	MW-10-105	Total/NA	Solid	8021B	6242
890-1065-5	MW-11-4	Total/NA	Solid	8021B	6242
890-1065-6	MW-11-30	Total/NA	Solid	8021B	6242
890-1065-7	MW-11-80	Total/NA	Solid	8021B	6242
890-1065-8	MW-11-100	Total/NA	Solid	8021B	6242
890-1065-9	MW-11-105	Total/NA	Solid	8021B	6242
MB 880-6242/5-A	Method Blank	Total/NA	Solid	8021B	6242
LCS 880-6242/1-A	Lab Control Sample	Total/NA	Solid	8021B	6242
LCSD 880-6242/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6242

GC Semi VOA

Analysis Batch: 6234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-3	MW-10-80	Total/NA	Solid	8015B NM	6236
890-1065-4	MW-10-105	Total/NA	Solid	8015B NM	6236
890-1065-5	MW-11-4	Total/NA	Solid	8015B NM	6236
890-1065-6	MW-11-30	Total/NA	Solid	8015B NM	6236
890-1065-7	MW-11-80	Total/NA	Solid	8015B NM	6236
890-1065-8	MW-11-100	Total/NA	Solid	8015B NM	6236
890-1065-9	MW-11-105	Total/NA	Solid	8015B NM	6236
MB 880-6236/1-A	Method Blank	Total/NA	Solid	8015B NM	6236
LCS 880-6236/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6236
LCSD 880-6236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6236

Prep Batch: 6236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-3	MW-10-80	Total/NA	Solid	8015NM Prep	
890-1065-4	MW-10-105	Total/NA	Solid	8015NM Prep	
890-1065-5	MW-11-4	Total/NA	Solid	8015NM Prep	
890-1065-6	MW-11-30	Total/NA	Solid	8015NM Prep	
890-1065-7	MW-11-80	Total/NA	Solid	8015NM Prep	
890-1065-8	MW-11-100	Total/NA	Solid	8015NM Prep	

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Page 16 of 28

QC Association Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1065-1

SDG: 11220747

GC Semi VOA (Continued)

Prep Batch: 6236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-1065-9	MW-11-105	Total/NA	Solid	8015NM Prep
MB 880-6236/1-A	Method Blank	Total/NA	Solid	8015NM Prep
LCS 880-6236/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep
LCSD 880-6236/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep

Analysis Batch: 6274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-1	MW-10-4	Total/NA	Solid	8015B NM	6283
890-1065-2	MW-10-40	Total/NA	Solid	8015B NM	6283
MB 880-6283/1-A	Method Blank	Total/NA	Solid	8015B NM	6283
LCS 880-6283/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6283
LCSD 880-6283/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6283
890-1065-1 MS	MW-10-4	Total/NA	Solid	8015B NM	6283
890-1065-1 MSD	MW-10-4	Total/NA	Solid	8015B NM	6283

Prep Batch: 6283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-1	MW-10-4	Total/NA	Solid	8015NM Prep	
890-1065-2	MW-10-40	Total/NA	Solid	8015NM Prep	
MB 880-6283/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6283/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6283/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1065-1 MS	MW-10-4	Total/NA	Solid	8015NM Prep	
890-1065-1 MSD	MW-10-4	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 6290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-1	MW-10-4	Soluble	Solid	DI Leach	
890-1065-2	MW-10-40	Soluble	Solid	DI Leach	
890-1065-3	MW-10-80	Soluble	Solid	DI Leach	
890-1065-4	MW-10-105	Soluble	Solid	DI Leach	
890-1065-5	MW-11-4	Soluble	Solid	DI Leach	
890-1065-6	MW-11-30	Soluble	Solid	DI Leach	
890-1065-7	MW-11-80	Soluble	Solid	DI Leach	
890-1065-8	MW-11-100	Soluble	Solid	DI Leach	
890-1065-9	MW-11-105	Soluble	Solid	DI Leach	
MB 880-6290/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6290/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6290/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 6291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-1	MW-10-4	Soluble	Solid	300.0	6290
890-1065-2	MW-10-40	Soluble	Solid	300.0	6290
890-1065-3	MW-10-80	Soluble	Solid	300.0	6290
890-1065-4	MW-10-105	Soluble	Solid	300.0	6290
890-1065-5	MW-11-4	Soluble	Solid	300.0	6290
890-1065-6	MW-11-30	Soluble	Solid	300.0	6290
890-1065-7	MW-11-80	Soluble	Solid	300.0	6290

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Page 17 of 28

1

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10

QC Association Summary

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 6291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1065-8	MW-11-100	Soluble	Solid	300.0	6290
890-1065-9	MW-11-105	Soluble	Solid	300.0	6290
MB 880-6290/1-A	Method Blank	Soluble	Solid	300.0	6290
LCS 880-6290/2-A	Lab Control Sample	Soluble	Solid	300.0	6290
LCSD 880-6290/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6290

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: MW-10-4

Lab Sample ID: 890-1065-1 Date Collected: 08/03/21 10:25 Date Received: 08/06/21 11:44

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 16:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6283	08/10/21 08:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6274	08/10/21 11:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 17:48	CH	XEN MID

Client Sample ID: MW-10-40

Date Collected: 08/03/21 11:10 Date Received: 08/06/21 11:44

Lab Sample ID: 890-1065-2 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 17:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6283	08/10/21 08:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6274	08/10/21 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 17:53	CH	XEN MID

Client Sample ID: MW-10-80

Date Collected: 08/04/21 15:10

Date Received: 08/06/21 11:44

Lab Sample ID: 890-1065-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 17:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:10	CH	XEN MID

Client Sample ID: MW-10-105

Date Collected: 08/04/21 16:30

Date Received: 08/06/21 11:44

Lab	Sample	ID:	890-1065-4
			Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 18:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:15	CH	XEN MID

Client: GHD Services Inc. Job ID: 890-1065-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: MW-11-4 Lab Sample ID: 890-1065-5 Date Collected: 08/05/21 09:15

Matrix: Solid Date Received: 08/06/21 11:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 18:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 19:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6290	08/10/21 09:31	СН	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:21	CH	XEN MID

Client Sample ID: MW-11-30 Lab Sample ID: 890-1065-6 Matrix: Solid Date Collected: 08/05/21 09:50

Date Received: 08/06/21 11:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 19:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:26	CH	XEN MID

Client Sample ID: MW-11-80 Lab Sample ID: 890-1065-7

Date Collected: 08/05/21 13:40 **Matrix: Solid** Date Received: 08/06/21 11:44

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 20:48	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:32	CH	XEN MID

Client Sample ID: MW-11-100 Lab Sample ID: 890-1065-8 Date Collected: 08/05/21 15:15 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 21:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 20:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:37	CH	XEN MID

Eurofins Xenco, Carlsbad

Released to Imaging: 5/2/2022 3:37:29 PM

Date Received: 08/06/21 11:44

Lab Chronicle

Job ID: 890-1065-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: MW-11-105

Date Received: 08/06/21 11:44

Lab Sample ID: 890-1065-9 Date Collected: 08/05/21 15:50

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6242	08/09/21 10:01	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6247	08/09/21 21:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6236	08/09/21 09:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6234	08/09/21 20:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6290	08/10/21 09:31	CH	XEN MID
Soluble	Analysis	300.0		1			6291	08/10/21 18:43	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: Flamenco #1

SDG: 11220747

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		Program	Identification Number	Expiration Date 06-30-22
		IELAP	T104704400-20-21	
The following analytes the agency does not of		out the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	

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XEN MID

ASTM

Method Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1065-1

SDG: 11220747

Method **Method Description** Protocol Laboratory 8021B Volatile Organic Compounds (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

Protocol References:

DI Leach

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.

Laboratory References:

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

Deionized Water Leaching Procedure

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Sample Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1065-1

SDG: 11220747

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1065-1	MW-10-4	Solid	08/03/21 10:25	08/06/21 11:44
890-1065-2	MW-10-40	Solid	08/03/21 11:10	08/06/21 11:44
890-1065-3	MW-10-80	Solid	08/04/21 15:10	08/06/21 11:44
890-1065-4	MW-10-105	Solid	08/04/21 16:30	08/06/21 11:44
890-1065-5	MW-11-4	Solid	08/05/21 09:15	08/06/21 11:44
890-1065-6	MW-11-30	Solid	08/05/21 09:50	08/06/21 11:44
890-1065-7	MW-11-80	Solid	08/05/21 13:40	08/06/21 11:44
890-1065-8	MW-11-100	Solid	08/05/21 15:15	08/06/21 11:44
890-1065-9	MW-11-105	Solid	08/05/21 15:50	08/06/21 11:44

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Hobbs, NM (5/5) 392-/550, Can	
EL Paso, TX (915) 585-3443, Lui	Kenco
Midland, 1 X (432) / 04-5440, San /	Willy to Other Chief I Court P.
Houston, TX (281) 240-4200, D	Environment Tecting

ddress: ompany Name:

Address:

Bill to: (if different)

Company Name:

606

Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ **Work Order Comments**

Project Manager:

Chain of Custody

Dallas, TX (214) 902-0300 Antonio, TX (210) 509-3334 bbock, TX (806) 794-1296 lsbad, NM (575) 988-3199

Judicas.		City State 7ID:		Z.	eporting: Level II 🔲 Level II	Reporting: Level II 🔲 Level III 🗎 PST/UST 📗 TRRP 📗	Level IV
City, State ZIP: 429 75() 19	T.M.	Email: 16/1/6	Belta Sack World new		Deliverables: EDD	ADaPT Other:	
	A A	ь I I		ANALYSIS REC	UEST	Preservative Codes	e Codes
Project Number: 128 0747		Routine Kush	Code Code			None: NO	DI Water: H ₂ O
		Due Date: 5 Day				Cool: Cool N	MeOH: Me
Sampler's Name: //	1	TAT starts the day received by)17		_	HCL: HC	HNO ₃ : HN
PO#:)	the lab, if received by 4:30pm				H ₂ S0 ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT Temp Blank	(Yes) No	Wet Ice: Yes No	nete			H₃PO₄: HP	
Samples Received Intact: Yes I	No Thermometer ID:	D. T-NAG	5			NaHSO ₄ : NABIS	
<u>ئ</u> ر	Correction Factor:		le.			Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals: Yes No	N/A Temperature Reading:	eading: 0.5/6	1 1 X /	890-1065 Chain o	n of Custody	Zn Acetate+NaOH: Zn	: Zn
	Corrected Temperature:	perature: 6.3 6.0	15.8 01			NaOH+Ascorbic Acid: SAPC	cid: SAPC
Sample Identification	Matrix Date Sampled S	Time Depth Comp	Grab! # of Comp Cont Cont TP			Sample Comments	mments
MW-10-41	5 8.3.21 1	1025 /					a
MW-10-40,	1 8.3.21	110					
MW-10-80'	8-4-21	1510					
Mm-10-105,	\vdash	1630					
MW -11-41	8-5-21	0915					
MW - 11-30'	8.5.21	0950					
MW -11-80'		1340					
100' NW-11-100'	8521	ええ					
MW-11-106"		1580	<				
Total 200.7 / 6010 200.8 / 6020:		8RCRA 13PPM Texas 11	Al Sb As Ba Be B	Cd Ca Cr Co Cu Fe Pb Mg	Mn Mo Ni K Se Ag	SiO ₂	/ Zn
Circle Method(s) and Metal(s) to be analyzed		CLP/SPLP 8010: BR	CRA 6b As Ba Be	TCLP / SPLP 8010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni	Ni Se Ag II U Hg	Hg: 1631 / 245 1 / /4/0 / /4	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of services.	ishment of samples constitutions the cost of samples and s	utes a valid purchase order from	n client company to Eurofins Xe lity for any losses or expenses	enco, its affiliates and subcontractors. It incurred by the client if such losses are of the contract Those terms were	. It assigns standard terms and conditions tre due to circumstances beyond the contro	ditions control	
Relinguished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)	Received	Received by: (Signature)	Date/Time	Relinquished by: (Signature)) Received by: (Signature)	e)	Date/Time
Mull	N H	4	16/6/21 11:00	2			
		•	•	A			

Work Order
No:

Revised Date: 08/25/2020 Rev. 2020 :

Chain of Custody Record

Environment Testing America

Eurofins Xenco, Carlsbad 1089 N Canal St Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-31

1 HOLE 010-800-0188 8X. 010-800-0188				!	ĺ		l	ļ														
Client Information (Sub Contract Lab)	Sampler:			Lab PM Simmo	Lab PM Simmons, Debbie)ebbie					Can	Carrier Tracking No(s)	cking N	o(s)			COC No: 890-339 1	o. 39 1]
Client Contact: Shipping/Receiving	Phone:			E-Mail. debbi	E-Mail. debbie simmons@eurofinset.com	nons(euro	inset.c	ğ		Stat Ne	State of Origin: New Mexico	(igin:				Page [.] Page	Page [.] Page 1 of 1				
Company Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana, NELAP - Texas	ccreditations Required (See IELAP - Louisíana, NE	equire	1 (See n	note) LAP - T	exas							Job #:	Job #: 890-1065-1				
Address 1211 W Flonda Ave, ,	Due Date Requested 8/11/2021	_					Ì	_≥	Analysis Requested	is R	que	sted		ļ			Prese	rvatio	000	: es		1
City: Midland	TAT Requested (days)	/\$)					\dashv			_	\dashv						B - NaOH	P P P	-) Z Z	lone	
State, Zip: TX, 79701	•				tapilla di gangan		p)									arte, Makeeni	W Z Z	D - Nitric Acid E - NaHSO4	a	OPO ZZZ	P Na2O4S Q Na2SO3	
Phone 432-704-5440(Tel)	PO#:				9)											Stronggande	E G ™	MeOH - Amchlor	ž.	1 の R	la2S2O3	
Email	WO #:				THE TOTAL TOTAL											rš		ce DI Water		< c -	Acetone MCAA	
Project Name Flamenco #1	Project # 88000221				STAGES COST											ntaine	L EDA	EDTA EDA		N ≶ Q p	pH 4-5 other (specify)	
Site:	SSOW#:															of co	Other:					
		S mplo	Sample Type	Matrix (w=water S=solid, O=waste/oil,	d Filtered form MS/M	MOD_NM/8	B/5035FP_ ORGFM_28									ıl Number						
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	A=Air) on Code:	0000 100000	949	-				+			-	+	X To		Spec		struc	Special Instructions/Note	anoli
MVV-10-4 (890-1065-1)	8/3/21	10 25 Mountain		Solid		×	×									.						
MW-10-40 (890-1065-2)	8/3/21	11 10 Mountain		Solid		Х	×	$\hat{}$														1
MW-10-80 (890-1065-3)	8/4/21	15 10 Mountain		Solid		X	×															
MW-10-105 (890-1065-4)	8/4/21	16 30 Mountain		Solid		×	×															
MW-11-4 (890-1065-5)	8/5/21	09 15 Mountain		Solid		×	×									7 45						
MW-11-30 (890-1065-6)	8/5/21	09 50 Mountain		Solid		×	×	_								.44.						
MW-11-80 (890-1065-7)	8/5/21	13 40 Mountain		Solid		×	×	×														- 1
MW-11-100 (890-1065-8)	8/5/21	15 15 Mountain		Solid		×	×	×								198						
MW-11-105 (890-1065-9)	8/5/21	15 50 Mountain		Solid		×	×	×			<u> </u>											
Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instru LLC attention immediately if all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC	places the ownership being analyzed the sa urn the signed Chain o	of method ar mples must b f Custody atte	alyte & accredi e shipped back sting to said co	tation complia to the Eurofir	nce upon s Xenco Eurofins)	out sut LLC lab Xenco L	oratory LC	ct labora or othe	tories	This sations w	mple s II be pr	hipmer ovided	It is fon Any o	warded hanges	under to acc	chain-c reditat	f-custo on stat	dy Ifti usshou	he laboi Jid be b	ratory c rought	ratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently ner instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco	-
Possible Hazard Identification Unconfirmed					Sar	Sample Disposal (Retum To Cli	Dispo tum 1		fee n nt	nay bo	ass Disp	assessed if san Disposal By Lab	l ifsa By La	mple: b	; are	retair Arc	t <mark>ained long</mark> Archive For	nger :	A fee may be assessed if samples are retained longer than 1 month) ant Disposal By Lab Archive For Mon	v uom	n th) Months	
Deliverable Requested I, II III V Other (specify)	Primary Deliverable Rank	ble Rank 2	2		Spe	Special Instructions	nstruc	tions/C	/QC Requirements	quiren	nents											
Empty Kit Relinquished by		Date			Time		1	Store			1)	Met	od of	Method of Shipment.	ıt.							
Relinquished by QUECUT SIEZ	Date/Time Date/Time			Company		Received by	ed by		M	0				Date/Time:	1		0.10	8	5	Com	Company	
Relinguished by	Date/Time			Company		Received by:	P							Date/Time	3		1				Company	1
œ.						Cooler	Tempe	Cooler Temperature(s) °C and Other Remarks	°C an	Other	Rema	Ś			l		ı					
						Cooler	Tempe	rature(s)°C an	d Other	Rema	Ś										

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1065-1

SDG Number: 11220747

Login Number: 1065 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

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	N/A	

1

8/11/2021

<6mm (1/4").

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1065-1

SDG Number: 11220747

Login Number: 1065 List Source: Eurofins Xenco, Midland List Number: 2 List Creation: 08/09/21 09:01 AM

Creator: Copeland, Tatiana

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	True	

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1074-1

Laboratory Sample Delivery Group: 11220747

Client Project/Site: Flamenco #1

For:

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

Attn: Becky Haskell

Debbie Simmons

Authorized for release by: 8/12/2021 10:05:48 PM

Debbie Simmons, Project Manager (281)240-4200

debbie.simmons@eurofinset.com

LINKS **Review your project**

results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/2/2022 3:37:29 PM

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.

Released to Imaging: 5/2/2022 3:37:29 PM

Client: GHD Services Inc.

Project/Site: Flamenco #1

Laboratory Job ID: 890-1074-1

SDG: 11220747

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	5
Client Sample Results	6
Surrogate Summary	39
QC Sample Results	43
QC Association Summary	56
Lab Chronicle	66
Certification Summary	79
Method Summary	80
Sample Summary	81
Chain of Custody	82
Receint Checklists	87

Definitions/Glossary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Qualifiers

GC VOA	
Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
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.

Qualifier Description

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

*1	LCS/LCSD RPD 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.
11	Indicates the analyte was analyzed for but not detected

HPLC/IC

Qualifier

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary
Abbreviation

NEG

POS

PQL PRES

QC

RL

RER

RPD

TEF

¤	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)

These commonly used abbreviations may or may not be present in this report.

Eurofins Xenco, Carlsbad

Page 3 of 88

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Euronia Aerico, Gariaba

Negative / Absent

Positive / Present
Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Definitions/Glossary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Job ID: 890-1074-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1074-1

Receipt

The samples were received on 8/9/2021 12:05 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 6.6°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB-37-2 (890-1074-38), SB-37-30 (890-1074-40), SB-35-4 (890-1074-41) and SB-34-2 (890-1074-45). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB-44-25 (890-1074-4), SB-44-30 (890-1074-5), SB-16-10 (890-1074-14), SB-43-4 (890-1074-22), SB-43-40 (890-1074-25), (890-1074-A-12-B MS) and (890-1074-A-12-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 880-6329 and analytical batch 880-6274 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.

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.

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Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-44-2 Lab Sample ID: 890-1074-1

Date Collected: 08/06/21 09:00 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
Toluene	0.000781	J	0.00202	0.000460	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 08:51	08/10/21 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/10/21 08:51	08/10/21 16:26	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/10/21 08:51	08/10/21 16:26	1
- Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (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		08/10/21 09:08	08/10/21 12:18	1
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 12:18	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 12:18	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/10/21 09:08	08/10/21 12:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	77.8	4.97	0.853 r	mg/Kg			08/12/21 02:07	1	

70 - 130

93

Client Sample ID: SB-44-4 Lab Sample ID: 890-1074-2 Date Collected: 08/06/21 09:05

Date Received: 08/09/21 12:05

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00404		0.00201	0.000387	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
Toluene	0.00168	J	0.00201	0.000458	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
Ethylbenzene	0.00452		0.00201	0.000567	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
m-Xylene & p-Xylene	0.0182		0.00402	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
o-Xylene	0.00515		0.00201	0.000345	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
Xylenes, Total	0.0234		0.00402	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
Total BTEX	0.0336		0.00402	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/10/21 08:51	08/10/21 18:17	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/10/21 08:51	08/10/21 18:17	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:08	08/10/21 13:23	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Client Sample ID: SB-44-4

Date Collected: 08/06/21 09:05 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 13:23	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 13:23	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/10/21 09:08	08/10/21 13:23	1
o-Terphenyl	98		70 - 130				08/10/21 09:08	08/10/21 13:23	1

 Analyte
 Result Chloride
 Qualifier
 RL A.96
 MDL Unit D. MDL UNIT D. MDL U

Client Sample ID: SB-44-8

Date Collected: 08/06/21 09:15 Date Received: 08/09/21 12:05 **Lab Sample ID: 890-1074-3**

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 08:51	08/10/21 18:37	1
Toluene	0.000852	J	0.00200	0.000456	mg/Kg		08/10/21 08:51	08/10/21 18:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 08:51	08/10/21 18:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:37	1
o-Xylene	0.000838	J	0.00200	0.000344	mg/Kg		08/10/21 08:51	08/10/21 18:37	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:37	1
Total BTEX	0.00169	J	0.00400	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:37	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117	70 - 130	08/10/21 08:51	08/10/21 18:37	1
1.4-Difluorobenzene (Surr)	109	70 - 130	08/10/21 08:51	08/10/21 18:37	1

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

Method. 00 130 MM - Diesei Kang	ge Organics (D	NO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 13:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 13:45	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 13:45	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/10/21 09:08	08/10/21 13:45	1
o-Terphenyl	93		70 - 130				08/10/21 09:08	08/10/21 13:45	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4560	25.2	4.33 mg/Kg			08/12/21 02:18	5

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8/12/2021

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Client Sample ID: SB-44-25

Date Collected: 08/06/21 09:40 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-4

08/10/21 09:08

08/10/21 14:06

Matrix: Solid

Method: 8021B - Volatile Orga	nic Compounds	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00856		0.00199	0.000383	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
Toluene	0.00154	J	0.00199	0.000454	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
Ethylbenzene	0.00669		0.00199	0.000563	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
m-Xylene & p-Xylene	0.00459		0.00398	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
o-Xylene	0.00530		0.00199	0.000343	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
Xylenes, Total	0.00989		0.00398	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
Total BTEX	0.0267		0.00398	0.00101	mg/Kg		08/10/21 08:51	08/10/21 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				08/10/21 08:51	08/10/21 18:57	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/10/21 08:51	08/10/21 18:57	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:06	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:06	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

o-Terphenyl	86		70 - 130				08/10/21 09:08	08/10/21 14:06	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.9		4.98	0.855	mg/Kg			08/12/21 02:24	1

70 - 130

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Client Sample ID: SB-44-30

Date Collected: 08/06/21 09:45

Lab Sample ID: 890-1074-5

Matrix: Solid

Date Received: 08/09/21 12:05

1-Chlorooctane

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000860	J	0.00199	0.000383	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 08:51	08/10/21 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				08/10/21 08:51	08/10/21 19:18	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/10/21 08:51	08/10/21 19:18	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:08	08/10/21 14:27	1

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Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-44-30

Date Collected: 08/06/21 09:45 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 14:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 14:27	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/10/21 09:08	08/10/21 14:27	1
o-Terphenyl	86		70 - 130				08/10/21 09:08	08/10/21 14:27	1

5.00 0.858 mg/Kg 08/12/21 02:30 Chloride 96.6 Client Sample ID: SB-15-2

RL

MDL Unit

Result Qualifier

Date Collected: 08/06/21 09:55 Date Received: 08/09/21 12:05

Analyte

Lab Sample ID: 890-1074-6 Matrix: Solid

Analyzed

Prepared

D

Dil Fac

Method: 8021B - Volatile Org	janic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 08:51	08/10/21 19:38	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 08:51	08/10/21 19:38	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 08:51	08/10/21 19:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 08:51	08/10/21 19:38	1
o-Xylene	0.000515	J	0.00200	0.000343	mg/Kg		08/10/21 08:51	08/10/21 19:38	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 08:51	08/10/21 19:38	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 08:51	08/10/21 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/10/21 08:51	08/10/21 19:38	1
1,4-Difluorobenzene (Surr)	112		70 - 130	08/10/21 08:51	08/10/21 19:38	1

Method. 00 13D MM - Dieser Kang	Je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:49	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:49	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/10/21 09:08	08/10/21 14:49	1
o-Terphenyl	91		70 - 130				08/10/21 09:08	08/10/21 14:49	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	563	5.02	0.862 mg/Kg			08/12/21 02:46	1

Job ID: 890-1074-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

ah Cample ID: 000 4074 7

Lab Sample ID: 890-1074-7

Matrix: Solid

Client Sample ID: SB-15-4

Date Collected: 08/06/21 10:00 Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 08:51	08/10/21 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				08/10/21 08:51	08/10/21 19:59	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/10/21 08:51	08/10/21 19:59	1

Method: 8015B NM - Diesel Rang	lethod: 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 15:11	1		
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 15:11	1		
C10-C28)											
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 15:11	1		
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 15:11	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	97		70 - 130				08/10/21 09:08	08/10/21 15:11	1		
o-Terphenyl	100		70 - 130				08/10/21 09:08	08/10/21 15:11	1		

Method: 300.0 - Anions, Ion Chro	matography - S	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970		5.00	0.858	mg/Kg			08/12/21 02:52	1

Client Sample ID: SB-15-6

Date Collected: 08/06/21 10:20

Lab Sample ID: 890-1074-8

Matrix: Solid

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
o-Xylene	0.000546	J	0.00200	0.000343	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 08:51	08/10/21 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				08/10/21 08:51	08/10/21 20:19	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/10/21 08:51	08/10/21 20:19	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:32	1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-15-6

Lab Sample ID: 890-1074-8

Date Collected: 08/06/21 10:20 Date Received: 08/09/21 12:05 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:32	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:32	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/10/21 09:08	08/10/21 15:32	1
o-Terphenyl	90		70 - 130				08/10/21 09:08	08/10/21 15:32	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6250	-	49.5	8.50	mg/Kg			08/12/21 03:09	10

Lab Sample ID: 890-1074-9

Date Collected: 08/06/21 11:20

Client Sample ID: SB-15-35

Matrix: Solid

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000595	J	0.00200	0.000386	mg/Kg		08/10/21 08:51	08/10/21 20:39	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		08/10/21 08:51	08/10/21 20:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		08/10/21 08:51	08/10/21 20:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 08:51	08/10/21 20:39	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		08/10/21 08:51	08/10/21 20:39	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 08:51	08/10/21 20:39	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 08:51	08/10/21 20:39	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	122		70 - 130	08/10/21 08:51	08/10/21 20:39	1
Į	1,4-Difluorobenzene (Surr)	116		70 - 130	08/10/21 08:51	08/10/21 20:39	1

M	ethod:	8015B	NM -	Diesel	Range	Organ	ics	(DF	RO)	(GC)	
-							_		_		

Wethou. 60 130 NW - Dieser Kang	Je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:55	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:55	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/10/21 09:08	08/10/21 15:55	1
o-Terphenyl	96		70 - 130				08/10/21 09:08	08/10/21 15:55	1
o-Terphenyl	96		70 - 130				08/10/21 09:08	08/10/21 15:55	

Method: 300.0 - Anions, Ion Chrom	natography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626	4.96	0.851	mg/Kg			08/12/21 03:14	1

(GRO)-C6-C10

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-15-40

Lab Sample ID: 890-1074-10

Date Collected: 08/06/21 11:30 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000949	J	0.00201	0.000387	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 08:51	08/10/21 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/10/21 08:51	08/10/21 21:00	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/10/21 08:51	08/10/21 21:00	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 16:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 16:16	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 16:16	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/10/21 09:08	08/10/21 16:16	1
o-Terphenyl	87		70 - 130				08/10/21 09:08	08/10/21 16:16	1

Method: 300.0 - Anions, Ion Chro	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3	4.98	0.855 mg/Kg			08/12/21 03:20	1

Client Sample ID: SB-15-45 Lab Sample ID: 890-1074-11 Date Collected: 08/06/21 11:50 Matrix: Solid

Method: 8021B - Volatile Orga	nic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/10/21 08:51	08/10/21 21:20	-
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/10/21 08:51	08/10/21 21:20	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/10/21 08:51	08/10/21 21:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 08:51	08/10/21 21:20	1
o-Xylene	0.000650	J	0.00202	0.000347	mg/Kg		08/10/21 08:51	08/10/21 21:20	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 08:51	08/10/21 21:20	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 08:51	08/10/21 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				08/10/21 08:51	08/10/21 21:20	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/10/21 08:51	08/10/21 21:20	1
- Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:01	1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-15-45

Lab Sample ID: 890-1074-11 Date Collected: 08/06/21 11:50 Date Received: 08/09/21 12:05

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:01	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:01	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/10/21 09:08	08/10/21 17:01	1
o-Terphenyl	105		70 - 130				08/10/21 09:08	08/10/21 17:01	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
raidiyto									

Client Sample ID: SB-16-2 Lab Sample ID: 890-1074-12

Date Collected: 08/06/21 12:05 Date Received: 08/09/21 12:05 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	0.000383	mg/Kg		08/10/21 11:38	08/11/21 00:58	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 11:38	08/11/21 00:58	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 11:38	08/11/21 00:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 11:38	08/11/21 00:58	1
o-Xylene	0.000736	J	0.00199	0.000342	mg/Kg		08/10/21 11:38	08/11/21 00:58	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 11:38	08/11/21 00:58	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 11:38	08/11/21 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/10/21 11:38	08/11/21 00:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/10/21 11:38	08/11/21 00:58	1

Method: 8015B NM -	Diesel Range	Organics	(DRO) (G	SC)
		_		

	, : 5 - : : - : - :	, (,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:23	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:23	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/10/21 09:08	08/10/21 17:23	1
o-Terphenyl	95		70 - 130				08/10/21 09:08	08/10/21 17:23	1

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.4		4.98	0.855	mg/Kg			08/11/21 10:47	1

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-16-4 Lab Sample ID: 890-1074-13

Matrix: Solid

Date Collected: 08/06/21 12:10 Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				08/10/21 11:38	08/11/21 01:19	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/10/21 11:38	08/11/21 01:19	1

Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:44	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/10/21 09:08	08/10/21 17:44	1
o-Terphenyl	86		70 - 130				08/10/21 09:08	08/10/21 17:44	1

Method: 300.0 - Anions, Ion Chron	natography - So	oluble							
Analyte	Result Q	(ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.4		5.00	0.858	mg/Kg			08/11/21 10:53	1

Client Sample ID: SB-16-10 Lab Sample ID: 890-1074-14 Date Collected: 08/06/21 13:45 **Matrix: Solid**

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000510	J	0.00200	0.000386	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
Toluene	0.000880	J B	0.00200	0.000457	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
Ethylbenzene	0.000630	J	0.00200	0.000566	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
m-Xylene & p-Xylene	0.00496		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
o-Xylene	0.00633		0.00200	0.000345	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
Xylenes, Total	0.0113		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
Total BTEX	0.0133		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 _ 130				08/10/21 11:38	08/11/21 01:39	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/10/21 11:38	08/11/21 01:39	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:08	08/10/21 18:06	1

SDG: 11220747

Client Sample ID: SB-16-10

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/06/21 13:45 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 18:06	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 18:06	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:08	08/10/21 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/10/21 09:08	08/10/21 18:06	1
o-Terphenyl	90		70 - 130				08/10/21 09:08	08/10/21 18:06	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
, 									

Client Sample ID: SB-16-20 Lab Sample ID: 890-1074-15

Date Collected: 08/06/21 14:00

Matrix: Solid Date Received: 08/09/21 12:05 Method: 8021B - Volatile Organic Compounds (GC) RI MDI Unit ח Analyzed Dil Fac

Analyte	Result	Qualifier	IXL.	WIDL	Oilit	 riepaieu	Allalyzeu	Dillac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg	 08/10/21 11:38	08/11/21 01:59	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg	08/10/21 11:38	08/11/21 01:59	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	08/10/21 11:38	08/11/21 01:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	08/10/21 11:38	08/11/21 01:59	1
o-Xylene	0.000461	J	0.00201	0.000345	mg/Kg	08/10/21 11:38	08/11/21 01:59	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	08/10/21 11:38	08/11/21 01:59	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg	08/10/21 11:38	08/11/21 01:59	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124	70 - 130	08/10/21 11:38	08/11/21 01:59	1
1,4-Difluorobenzene (Surr)	105	70 - 130	08/10/21 11:38	08/11/21 01:59	1

	,	, (,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 18:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 18:28	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 18:28	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/10/21 09:08	08/10/21 18:28	1
o-Terphenyl	96		70 - 130				08/10/21 09:08	08/10/21 18:28	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	79.1	4.99	0.857	ma/Ka			08/11/21 11:04		

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-14-2 Lab Sample ID: 890-1074-16

Date Collected: 08/06/21 14:05 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000529	J	0.00202	0.000388	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
o-Xylene	0.000364	J	0.00202	0.000347	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
Xylenes, Total	< 0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 11:38	08/11/21 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122	-	70 - 130				08/10/21 11:38	08/11/21 02:20	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/10/21 11:38	08/11/21 02:20	1
Method: 8015B NM - Diesel Ranç Analyte	, ,	, , ,	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	
Analyte Gasoline Range Organics	, ,	Qualifier	RL 49.9	MDL 15.0	Unit mg/Kg	<u>D</u>	Prepared 08/10/21 09:08	Analyzed 08/10/21 18:49	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.9	15.0	mg/Kg	<u>D</u>	08/10/21 09:08	08/10/21 18:49	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		15.0		<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	49.9	15.0 15.0	mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U	49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U	49.9	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U U U U	49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49	1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 %Recovery	Qualifier U U U U	49.9 49.9 49.9 49.9 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 Prepared	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 Analyzed	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 Prepared 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 Analyzed 08/10/21 18:49	1 1 1 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 08/10/21 09:08 Prepared 08/10/21 09:08	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 Analyzed 08/10/21 18:49	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: SB-14-4 Lab Sample ID: 890-1074-17 Date Collected: 08/06/21 14:20 **Matrix: Solid**

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00971		0.00200	0.000384	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
Toluene	0.00269	В	0.00200	0.000455	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
Ethylbenzene	0.00986		0.00200	0.000564	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
o-Xylene	0.00750		0.00200	0.000343	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
Xylenes, Total	0.00750		0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
Total BTEX	0.0298		0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 _ 130				08/10/21 11:38	08/11/21 02:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/10/21 11:38	08/11/21 02:40	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:08	08/10/21 19:10	1

Eurofins Xenco, Carlsbad

Released to Imaging: 5/2/2022 3:37:29 PM

Job ID: 890-1074-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1074-17

Matrix: Solid

Client Sample ID: SB-14-4

Date Collected: 08/06/21 14:20 Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 19:10	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 19:10	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/10/21 09:08	08/10/21 19:10	1
o-Terphenyl	99		70 - 130				08/10/21 09:08	08/10/21 19:10	1
- -									
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	D14	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SB-14-25 Lab Sample ID: 890-1074-18 Date Collected: 08/06/21 14:50

4.95

0.850 mg/Kg

0.00101 mg/Kg

0.00101 mg/Kg

14.9 mg/Kg

1130

<0.00402 U

0.00186 J

<49.8 U

88

Date Received: 08/09/21 12:05

Chloride

Xylenes, Total

Total BTEX

C10-C28)

o-Terphenyl

Oll Range Organics (Over C28-C36)

08/11/21 03:01

08/11/21 03:01

08/10/21 19:31

08/10/21 19:31

08/10/21 11:38

08/10/21 11:38

08/10/21 09:08

08/10/21 09:08

08/11/21 12:05

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac RL 0.00201 0.000387 08/10/21 11:38 08/11/21 03:01 0.000424 mg/Kg Benzene Toluene 0.000983 JB 0.00201 0.000458 mg/Kg 08/10/21 11:38 08/11/21 03:01 Ethylbenzene <0.00201 U 0.00201 0.000567 mg/Kg 08/10/21 11:38 08/11/21 03:01 m-Xylene & p-Xylene <0.00402 U 0.00402 0.00101 mg/Kg 08/10/21 11:38 08/11/21 03:01 0.000451 J 0.00201 0.000345 mg/Kg 08/10/21 11:38 08/11/21 03:01 o-Xylene

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123	70 - 130	08/10/21 11:38	08/11/21 03:01	1
1 1 Diffuorabanzana (Surr)	110	70 120	00/10/21 11:20	00/11/21 02:01	1

0.00402

0.00402

4-Bromofluorobenzene (Surr)	123		70 - 130				08/10/21 11:38	08/11/21 03:01	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/10/21 11:38	08/11/21 03:01	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:08	08/10/21 19:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14 9	ma/Ka		08/10/21 09:08	08/10/21 19:31	1

Total TPH	<49.8	U	49.8	14.9 mg/Kg	08/10/21 09:08	08/10/21 19:31	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130		08/10/21 09:08	08/10/21 19:31	1

49.8

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2180	25.2	4.33 mg/Kg			08/11/21 12:22	5

70 - 130

Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-14-30

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/06/21 14:55
Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-19

08/10/21 09:08

08/10/21 09:08

08/10/21 19:51

08/10/21 19:51

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
Ethylbenzene	0.000581	J	0.00199	0.000563	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
o-Xylene	0.000581	J	0.00199	0.000343	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
Total BTEX	0.00116	J	0.00398	0.00101	mg/Kg		08/10/21 11:38	08/11/21 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/10/21 11:38	08/11/21 03:21	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/10/21 11:38	08/11/21 03:21	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 15.0 mg/Kg 08/10/21 09:08 08/10/21 19:51 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 15.0 mg/Kg 08/10/21 09:08 08/10/21 19:51 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 08/10/21 09:08 08/10/21 19:51 Total TPH 50.0 08/10/21 09:08 08/10/21 19:51 <50.0 U 15.0 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166	4.97	0.853 mg/Kg		-	08/11/21 12:27	1

70 - 130

70 - 130

82

84

Client Sample ID: SB-14-35

Date Collected: 08/06/21 15:00

Lab Sample ID: 890-1074-20

Matrix: Solid

Date Received: 08/09/21 12:05

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
o-Xylene	0.000361	J	0.00200	0.000343	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/10/21 11:38	08/11/21 03:41	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/10/21 11:38	08/11/21 03:41	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 20:12	1

SDG: 11220747

Project/Site: Flamenco #1

Client: GHD Services Inc.

Client Sample ID: SB-14-35 Date Collected: 08/06/21 15:00

Date Received: 08/09/21 12:05

Analyte

Chloride

Lab Sample ID: 890-1074-20

Analyzed

08/11/21 12:33

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	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 20:12	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 20:12	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/10/21 09:08	08/10/21 20:12	1
			70 - 130				08/10/21 09:08	08/10/21 20:12	

4.99 Client Sample ID: SB-43-2 Lab Sample ID: 890-1074-21

RL

MDL Unit

0.857 mg/Kg

D

Prepared

Date Collected: 08/06/21 15:15 Date Received: 08/09/21 12:05

Result Qualifier

176

Method: 8021B - Volatile Organic Compounds (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		08/10/21 11:38	08/11/21 04:02	1
	Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		08/10/21 11:38	08/11/21 04:02	1
	Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		08/10/21 11:38	08/11/21 04:02	1
	m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 04:02	1
	o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		08/10/21 11:38	08/11/21 04:02	1
	Xylenes, Total	< 0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 04:02	1
	Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/10/21 11:38	08/11/21 04:02	1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/10/21 11:38	08/11/21 04:02	1

metriod. 60 13D MM - Dieser Kange Organics (DKO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 12:18	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 12:18	1	
C10-C28)										
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 12:18	1	
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 12:18	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	123		70 - 130				08/10/21 09:09	08/10/21 12:18	1	
o-Terphenyl	150	S1+	70 - 130				08/10/21 09:09	08/10/21 12:18	1	

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chlorido	7240	50.5	8 67 ma/Ka			08/11/21 12:38	10	

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Dil Fac

Matrix: Solid

Client: GHD Services Inc.

Job ID: 890-1074-1
Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-43-4

Date Collected: 08/06/21 15:20
Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Method: 8021B - Volatile Orga	inc compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000437	J	0.00201	0.000387	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
Toluene	0.00164	JB	0.00201	0.000458	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
Ethylbenzene	0.00195	J	0.00201	0.000567	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
o-Xylene	0.00193	J	0.00201	0.000345	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
Xylenes, Total	0.00193	J	0.00402	0.00101	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
Total BTEX	0.00596		0.00402	0.00101	mg/Kg		08/10/21 11:38	08/11/21 05:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 130				08/10/21 11:38	08/11/21 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	08/10/21 11:38	08/11/21 05:51	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/10/21 11:38	08/11/21 05:51	1
_						

Method: 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 13:23	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 13:23	1	
C10-C28)										
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 13:23	1	
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 13:23	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	

o-Terphenyl	119	70 - 130			08/10/21 09:09	08/10/21 13:23	1
 Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10700	49.8	8.55 mg/Kg			08/11/21 12:55	10

70 - 130

93

Client Sample ID: SB-43-25

Date Collected: 08/06/21 15:50

Lab Sample ID: 890-1074-23

Matrix: Solid

Date Received: 08/09/21 12:05

1-Chlorooctane

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
o-Xylene	0.000794	J	0.00201	0.000346	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg		08/10/21 11:38	08/11/21 06:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				08/10/21 11:38	08/11/21 06:12	1
1,4-Difluorobenzene (Surr)	110		70 - 130				08/10/21 11:38	08/11/21 06:12	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:09	08/10/21 13:45	1

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2

4

6

8

10

11 12

13

1

atrix: Solid

08/10/21 09:09

08/10/21 13:23

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-43-25

Date Collected: 08/06/21 15:50 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-23

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 13:45	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 13:45	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/10/21 09:09	08/10/21 13:45	1
o-Terphenyl	123		70 - 130				08/10/21 09:09	08/10/21 13:45	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			24.8	4.25	mg/Kg			08/12/21 11:02	5

Client Sample ID: SB-43-35 Lab Sample ID: 890-1074-24 Matrix: Solid

Date Collected: 08/07/21 09:20

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/11/21 10:00	08/11/21 22:02	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/11/21 10:00	08/11/21 22:02	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/11/21 10:00	08/11/21 22:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/11/21 10:00	08/11/21 22:02	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/11/21 10:00	08/11/21 22:02	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/11/21 10:00	08/11/21 22:02	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/11/21 10:00	08/11/21 22:02	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	164	S1+	70 - 130	08/11/21 10:00	08/11/21 22:02	1
l	1,4-Difluorobenzene (Surr)	144	S1+	70 - 130	08/11/21 10:00	08/11/21 22:02	1

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

Method. 00 13D MM - Dieser Kang	Je Organics (D	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:06	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:06	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/10/21 09:09	08/10/21 14:06	1
o-Terphenyl	114		70 - 130				08/10/21 09:09	08/10/21 14:06	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1970	25.1	4.31 mg/Kg			08/11/21 13:05	5

Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-43-40 Lab Sample ID: 890-1074-25 Date Collected: 08/07/21 09:30

Matrix: Solid

Date Received: 08/09/21 12:05

Client: GHD Services Inc.

Project/Site: Flamenco #1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00351		0.00200	0.000386	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
Toluene	0.00538	В	0.00200	0.000457	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
Ethylbenzene	0.00340		0.00200	0.000566	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
m-Xylene & p-Xylene	0.00327	J	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
o-Xylene	0.000881	J	0.00200	0.000345	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
Xylenes, Total	0.00415		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
Total BTEX	0.0164		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 06:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				08/10/21 11:38	08/11/21 06:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/10/21 11:38	08/11/21 06:52	1
Method: 8015B NM - Diesel Ra	nge Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 14:27	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 14:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 14:27	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/10/21 09:09	08/10/21 14:27	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	391	4.97	0.853	mg/Kg			08/11/21 13:11	1

70 - 130

114

Client Sample ID: SB-43-45 Lab Sample ID: 890-1074-26 Date Collected: 08/07/21 10:30 **Matrix: Solid**

Date Received: 08/09/21 12:05

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
Toluene	0.000502	J B	0.00200	0.000456	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
o-Xylene	0.000563	J	0.00200	0.000344	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
Total BTEX	0.00107	J	0.00400	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/10/21 11:38	08/11/21 07:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/10/21 11:38	08/11/21 07:13	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:49	1

SDG: 11220747

Client Sample ID: SB-43-45

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/07/21 10:30 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-26

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:49	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:49	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/10/21 09:09	08/10/21 14:49	1
o-Terphenyl	97		70 - 130				08/10/21 09:09	08/10/21 14:49	1

Client Sample ID: SB-12-2 Lab Sample ID: 890-1074-27

4.96

0.851 mg/Kg

Date Collected: 08/07/21 10:40 Date Received: 08/09/21 12:05

Chloride

Matrix: Solid

08/11/21 13:16

660

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 11:38	08/11/21 07:33	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/10/21 11:38	08/11/21 07:33	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/10/21 11:38	08/11/21 07:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:33	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/10/21 11:38	08/11/21 07:33	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:33	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:33	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118	70 - 130	08/10/21 11:38	08/11/21 07:33	1
1,4-Difluorobenzene (Surr)	105	70 - 130	08/10/21 11:38	08/11/21 07:33	1

	Method: 8015B NM - Die	esel Range Organics	(DRO) (GC)
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Michiga. 00 10D Min - Diesei Rang	je Organies (Di	110) (00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 15:11	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 15:11	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 15:11	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/10/21 09:09	08/10/21 15:11	1
o-Terphenyl	118		70 - 130				08/10/21 09:09	08/10/21 15:11	1

Method: 300.0 - Anions, Ion Chron	natography - S	oluble							
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	938	F1	5.00	0.858	mg/Kg			08/11/21 13:22	1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-12-4

Lab Sample ID: 890-1074-28

Date Collected: 08/07/21 10:45 Date Received: 08/09/21 12:05 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000988	J	0.00200	0.000384	mg/Kg		08/10/21 11:38	08/11/21 07:54	
Toluene	0.00334	В	0.00200	0.000455	mg/Kg		08/10/21 11:38	08/11/21 07:54	
Ethylbenzene	0.00360		0.00200	0.000564	mg/Kg		08/10/21 11:38	08/11/21 07:54	
m-Xylene & p-Xylene	0.00256	J	0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:54	
o-Xylene	0.00241		0.00200	0.000343	mg/Kg		08/10/21 11:38	08/11/21 07:54	
Xylenes, Total	0.00497		0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:54	
Total BTEX	0.0129		0.00399	0.00101	mg/Kg		08/10/21 11:38	08/11/21 07:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	125		70 - 130				08/10/21 11:38	08/11/21 07:54	
1,4-Difluorobenzene (Surr)	88		70 - 130				08/10/21 11:38	08/11/21 07:54	
Analyte		Qualifier	RL 49.9	MDL 15.0		D	Prepared 08/10/21 09:09	Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang									
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:32	•
Diesel Range Organics (Over C10-C28)	15.1	J	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:32	
•	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:32	
Oll Range Organics (Over C28-C36)	\4 3.3								
	15.1	J	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:32	
Total TPH			49.9 Limits	15.0	mg/Kg		08/10/21 09:09 Prepared	08/10/21 15:32 Analyzed	
Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	15.1			15.0	mg/Kg				Dil Fa
Total TPH Surrogate	15.1 %Recovery	Qualifier	Limits	15.0	mg/Kg		Prepared	Analyzed	Dil Fa
Total TPH Surrogate 1-Chlorooctane	15.1 %Recovery 120 150	Qualifier S1+	Limits 70 - 130	15.0	mg/Kg		Prepared 08/10/21 09:09	Analyzed 08/10/21 15:32	Dil Fa
Total TPH Surrogate 1-Chlorooctane o-Terphenyl	### 15.1 ### 17.1	Qualifier S1+	Limits 70 - 130	15.0 MDL		D	Prepared 08/10/21 09:09	Analyzed 08/10/21 15:32	Dil Fac

Client Sample ID: SB-12-20

Date Collected: 08/07/21 11:20

Lab Sample ID: 890-1074-29

Matrix: Solid

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 11:38	08/11/21 08:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				08/10/21 11:38	08/11/21 08:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/10/21 11:38	08/11/21 08:14	1
- Method: 8015B NM - Diesel Ra	nge Organics (D	RO) (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		08/10/21 09:09	08/10/21 15:55	1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-12-20

Lab Sample ID: 890-1074-29

Date Collected: 08/07/21 11:20 Date Received: 08/09/21 12:05 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:55	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:55	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/10/21 09:09	08/10/21 15:55	1
o-Terphenyl	146	S1+	70 - 130				08/10/21 09:09	08/10/21 15:55	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
y.c									

Lab Sample ID: 890-1074-30

Client Sample ID: SB-12-40 Date Collected: 08/07/21 12:00

Matrix: Solid

Date Received: 08/09/21 12:05

Method: 8021B - Volatile Orga	nic Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000407	J	0.00200	0.000386	mg/Kg		08/10/21 11:38	08/11/21 08:58	1
Toluene	0.000889	JB	0.00200	0.000457	mg/Kg		08/10/21 11:38	08/11/21 08:58	1
Ethylbenzene	0.000859	J	0.00200	0.000566	mg/Kg		08/10/21 11:38	08/11/21 08:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 08:58	1
o-Xylene	0.000612	J	0.00200	0.000345	mg/Kg		08/10/21 11:38	08/11/21 08:58	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 08:58	1
Total BTEX	0.00277	J	0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 08:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	08/10/21 11:38	08/11/21 08:58	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/10/21 11:38	08/11/21 08:58	1

Method: 00130 MM - Diesel Kang	Je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 16:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 16:16	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 16:16	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/10/21 09:09	08/10/21 16:16	1
o-Terphenyl	158	S1+	70 - 130				08/10/21 09:09	08/10/21 16:16	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	774	4.95	0.850	mg/Kg			08/11/21 14:00	1

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-12-45

Result Qualifier

Lab Sample ID: 890-1074-31

Date Collected: 08/07/21 12:00 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0505		0.00200	0.000386	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
Toluene	0.00602	В	0.00200	0.000457	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
Ethylbenzene	0.0547		0.00200	0.000566	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
m-Xylene & p-Xylene	0.0580		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
o-Xylene	0.0389		0.00200	0.000345	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
Xylenes, Total	0.0969		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
Total BTEX	0.208		0.00401	0.00101	mg/Kg		08/10/21 11:38	08/11/21 09:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4 D (0)	EEG	S1+	70 - 130				08/10/21 11:38	08/11/21 09:19	1
4-Bromotiuoropenzene (Surr)	556	31+	10 - 130				00, 10, 21, 11,00	00, = . 00	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) . Method: 8015B NM - Diesel Rang	6	S1-	70 - 130				08/10/21 11:38	08/11/21 09:19	1
,	6 ge Organics (Di	S1-		MDL	Unit	D			1 Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	6 ge Organics (Di	S1- RO) (GC) Qualifier	70 - 130	MDL 15.0	Unit mg/Kg	<u>D</u>	08/10/21 11:38	08/11/21 09:19	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI	S1- RO) (GC) Qualifier U	70 - 130	15.0		<u>D</u>	08/10/21 11:38 Prepared	08/11/21 09:19 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	ge Organics (DI Result <50.0	S1- RO) (GC) Qualifier U	70 - 130 RL 50.0	15.0 15.0	mg/Kg	<u>D</u>	08/10/21 11:38 Prepared 08/10/21 09:09	08/11/21 09:19 Analyzed 08/10/21 17:01	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DI Result <50.0	S1- RO) (GC) Qualifier U	70 - 130 RL 50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/10/21 11:38 Prepared 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 17:01 08/10/21 17:01	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DI Result <50.0 <50.0	S1- RO) (GC) Qualifier U U U	70 - 130 RL 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 11:38 Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 17:01 08/10/21 17:01 08/10/21 17:01	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ge Organics (DI Result <50.0 <50.0 <50.0	S1- RO) (GC) Qualifier U U U	70 - 130 RL 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 11:38 Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 17:01 08/10/21 17:01 08/10/21 17:01 08/10/21 17:01	Dil Fac 1 1 1

5.04 0.865 mg/Kg Chloride 605 08/11/21 14:06 Lab Sample ID: 890-1074-32 Client Sample ID: SB-38-2 Date Collected: 08/07/21 13:15

RL

MDL Unit

D

Prepared

Date Received: 08/09/21 12:05

Analyte

Method: 8021B - Volatile Orga Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/10/21 09:18	08/10/21 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/10/21 09:18	08/10/21 15:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/21 09:18	08/10/21 15:05	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:23	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Analyzed

Dil Fac

Client: GHD Services Inc. Project/Site: Flamenco #1

Date Received: 08/09/21 12:05

SDG: 11220747

Client Sample ID: SB-38-2 Lab Sample ID: 890-1074-32 Date Collected: 08/07/21 13:15

Matrix: Solid

Method: 8015B NM - Diese	el Range Organics (DRO) (GC) (Cont	inued)
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:23	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:23	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/10/21 09:09	08/10/21 17:23	1
o-Terphenyl	148	S1+	70 - 130				08/10/21 09:09	08/10/21 17:23	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2	5.02	0.862 mg/Kg			08/11/21 14:11	1

Client Sample ID: SB-38-4 Lab Sample ID: 890-1074-33

Date Collected: 08/07/21 13:20 Matrix: Solid

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:18	08/10/21 15:26	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 09:18	08/10/21 15:26	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 09:18	08/10/21 15:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:18	08/10/21 15:26	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/10/21 09:18	08/10/21 15:26	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:18	08/10/21 15:26	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:18	08/10/21 15:26	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114	70 - 130	08/10/21 09:18	08/10/21 15:26	1
1.4-Difluorobenzene (Surr)	101	70 - 130	08/10/21 09:18	08/10/21 15:26	1

Method: 8015B NW - Diesei Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:44	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/10/21 09:09	08/10/21 17:44	1
o-Terphenyl	122		70 - 130				08/10/21 09:09	08/10/21 17:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	72.4		4.97	0.853	mg/Kg			08/11/21 14:17	1

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-38-20

Lab Sample ID: 890-1074-34 Date Collected: 08/07/21 14:05

Matrix: Solid

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
m-Xylene & p-Xylene	0.00144	J	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
o-Xylene	0.000570	J	0.00200	0.000343	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
Xylenes, Total	0.00201	J	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
Total BTEX	0.00201	J	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114	-	70 - 130				08/10/21 09:18	08/10/21 15:46	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/10/21 09:18	08/10/21 15:46	1

Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 18:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 18:06	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 18:06	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:09	08/10/21 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/10/21 09:09	08/10/21 18:06	1
o-Terphenyl	123		70 - 130				08/10/21 09:09	08/10/21 18:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	2680	24.8	4.25 mg/Kg			08/11/21 14:22	5			

Client Sample ID: SB-38-40 Lab Sample ID: 890-1074-35 Date Collected: 08/07/21 14:25 **Matrix: Solid**

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				08/10/21 09:18	08/10/21 16:06	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/10/21 09:18	08/10/21 16:06	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:09	08/10/21 18:28	1

Job ID: 890-1074-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-38-40

Date Collected: 08/07/21 14:25 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-35

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 18:28	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 18:28	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/10/21 09:09	08/10/21 18:28	1
o-Terphenyl	115		70 - 130				08/10/21 09:09	08/10/21 18:28	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.6		4.95	0.850	mg/Kg			08/11/21 14:28	

Lab Sample ID: 890-1074-36

Client Sample ID: SB-38-60

Date Collected: 08/07/21 15:30 Matrix: Solid Date Received: 08/09/21 12:05

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		08/10/21 09:18	08/10/21 16:27	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 09:18	08/10/21 16:27	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 09:18	08/10/21 16:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 16:27	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/10/21 09:18	08/10/21 16:27	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 16:27	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				08/10/21 09:18	08/10/21 16:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/10/21 09:18	08/10/21 16:27	1
Method: 8015B NM - Diesel Ranç Analyte	, ,	RO) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
•	, ,	, , ,	RI	MDI	Unit	n	Prepared	A nalyzed	Dil Fac
Analyte	, ,	Qualifier	RL 49.9			<u>D</u>	Prepared 08/10/21 09:09	Analyzed 08/10/21 18:49	Dil Fac
•	Result	Qualifier			Unit mg/Kg	<u>D</u>			Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U		15.0		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	49.9	15.0	mg/Kg	<u>D</u>	08/10/21 09:09	08/10/21 18:49	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	15.0 15.0	mg/Kg	<u>D</u>	08/10/21 09:09	08/10/21 18:49	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U U	49.9	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/10/21 09:09 08/10/21 09:09	08/10/21 18:49 08/10/21 18:49	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result	Qualifier U U U U	49.9 49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49	1 11
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 Analyzed	1 11
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared 08/10/21 09:09	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 Analyzed 08/10/21 18:49	1 11
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared 08/10/21 09:09	08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 08/10/21 18:49 Analyzed 08/10/21 18:49	1 11

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-38-65 Lab Sample ID: 890-1074-37

ate Received: 08/09/21 12:05									
Method: 8021B - Volatile Organio	Compounds ((GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:18	08/10/21 17:50	
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/10/21 09:18	08/10/21 17:50	
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/10/21 09:18	08/10/21 17:50	
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:18	08/10/21 17:50	
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/10/21 09:18	08/10/21 17:50	
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:18	08/10/21 17:50	
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:18	08/10/21 17:50	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	113		70 - 130				08/10/21 09:18	08/10/21 17:50	
1,4-Difluorobenzene (Surr) : : Method: 8015B NM - Diesel Rang	105 ge Organics (Di	RO) (GC)	70 - 130				08/10/21 09:18	08/10/21 17:50	
Method: 8015B NM - Diesel Rang	ge Organics (D	, , ,		MDI	l locit				D.: 5-
	ge Organics (D	Qualifier	70 - 130 RL 50.0		Unit mg/Kg	<u>D</u>	08/10/21 09:18 Prepared 08/10/21 09:09	08/10/21 17:50 Analyzed 08/10/21 19:10	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (D Result <50.0	Qualifier U	RL 50.0	15.0	mg/Kg	<u>D</u>	Prepared 08/10/21 09:09	Analyzed 08/10/21 19:10	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D	Qualifier U	RL	15.0		<u>D</u>	Prepared	Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <50.0	Qualifier U	RL 50.0	15.0 15.0	mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D) Result <50.0 <50.0 <50.0	Qualifier U U U	RL 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <50.0	Qualifier U U U	RL 50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D) Result <50.0 <50.0 <50.0	Qualifier U U U U	RL 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	ge Organics (D) Result <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	RL 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	ge Organics (D) Result <50.0 <50.0 <50.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0 <80.0	Qualifier U U U U	RL 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u> </u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared	Analyzed 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 Analyzed	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	RL 50.0 50.0 50.0 50.0 50.0 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 Analyzed 08/10/21 19:10	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (DI Result < 50.0 < 50.0 < 50.0 < 50.0 < 50.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0 < 51.0	Qualifier U U U Qualifier	RL 50.0 50.0 50.0 50.0 50.0 Limits 70 - 130	15.0 15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared 08/10/21 09:09	Analyzed 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 08/10/21 19:10 Analyzed 08/10/21 19:10	Dil Fa

Lab Sample ID: 890-1074-38 **Client Sample ID: SB-37-2** Date Collected: 08/07/21 16:10 **Matrix: Solid**

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000401	J	0.00198	0.000381	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
o-Xylene	0.000618	J	0.00198	0.000341	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
Total BTEX	0.00102	J	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/10/21 09:18	08/10/21 18:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/10/21 09:18	08/10/21 18:10	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 09:09	08/10/21 19:31	1

Job ID: 890-1074-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1074-38

Matrix: Solid

Client Sample ID: SB-37-2

Date Collected: 08/07/21 16:10 Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 19:31	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 19:31	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:09	08/10/21 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/10/21 09:09	08/10/21 19:31	1
o-Terphenyl	115		70 - 130				08/10/21 09:09	08/10/21 19:31	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
raidiyto									

Client Sample ID: SB-37-4

Date Collected: 08/07/21 16:25

Lab Sample ID: 890-1074-39

Matrix: Solid

Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:18	08/10/21 18:30	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:18	08/10/21 18:30	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:18	08/10/21 18:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 18:30	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:18	08/10/21 18:30	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 18:30	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 18:30	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109	70 - 130	08/10/21 09:18	08/10/21 18:30	1
1,4-Difluorobenzene (Surr)	99	70 - 130	08/10/21 09:18	08/10/21 18:30	1

Method: 8015B NM - Diese	I Range Organics	(DRO) (GC)
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Welliou. 00 130 NW - Diesei Kang	e Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 19:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 19:51	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 19:51	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/10/21 09:09	08/10/21 19:51	1
o-Terphenyl	116		70 - 130				08/10/21 09:09	08/10/21 19:51	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480	4.95	0.850 mg/Kg			08/11/21 19:07	1

Eurofins Xenco, Carlsbad

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Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-37-30 Lab Sample ID: 890-1074-40

Method: 8021B - Volatile Organic Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	- (0.00201		0.00201	0.000387	mg/Kg		08/10/21 09:18	08/10/21 18:51	Diria
Toluene	<0.00201		0.00201	0.000458	mg/Kg		08/10/21 09:18	08/10/21 18:51	
Ethylbenzene	<0.00201		0.00201	0.000567	mg/Kg		08/10/21 09:18	08/10/21 18:51	
m-Xylene & p-Xylene	<0.00402		0.00402	0.00101	mg/Kg		08/10/21 09:18	08/10/21 18:51	
o-Xylene	<0.00201		0.00201	0.000345			08/10/21 09:18	08/10/21 18:51	
Xylenes, Total	<0.00402		0.00402	0.00101			08/10/21 09:18	08/10/21 18:51	
Total BTEX	<0.00402		0.00402	0.00101			08/10/21 09:18	08/10/21 18:51	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120	· 	70 - 130				08/10/21 09:18	08/10/21 18:51	
4-bromonuorobenzene (Surr)									
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	107 ge Organics (D		70 - 130	MDI	II-ai4		08/10/21 09:18	08/10/21 18:51	
1,4-Difluorobenzene (Surr)	107	-0. (00)					08/10/21 09:18	08/10/21 18:51	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte	ge Organics (D	Qualifier	70 - 130 RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	107 ge Organics (D	Qualifier	70 - 130		Unit mg/Kg	<u>D</u>			Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (Di Result <50.0	Qualifier U	70 - 130 RL 50.0	15.0	mg/Kg	<u>D</u>	Prepared 08/10/21 09:09	Analyzed 08/10/21 20:12	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D	Qualifier U	70 - 130 RL	15.0		<u>D</u>	Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (Di Result <50.0	Qualifier U	70 - 130 RL 50.0	15.0 15.0	mg/Kg	<u>D</u>	Prepared 08/10/21 09:09	Analyzed 08/10/21 20:12	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	107 ge Organics (Di Result <50.0 <50.0	Qualifier U U	70 - 130 RL 50.0	15.0 15.0 15.0	mg/Kg	D	Prepared 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 20:12 08/10/21 20:12	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	107 ge Organics (Di Result <50.0 <50.0 <50.0	Qualifier U U U U	70 - 130 RL 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	107 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	70 - 130 RL 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09	Analyzed 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <%Recovery	Qualifier U U U U	70 - 130 RL 50.0 50.0 50.0 Limits	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared	Analyzed 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <80.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	Qualifier U U U Qualifier	70 - 130 RL 50.0 50.0 50.0 50.0 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared 08/10/21 09:09	Analyzed 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 Analyzed 08/10/21 20:12	Dil Fa
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0	Qualifier U U U Qualifier	70 - 130 RL 50.0 50.0 50.0 50.0 Limits 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 08/10/21 09:09 Prepared 08/10/21 09:09	Analyzed 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 08/10/21 20:12 Analyzed 08/10/21 20:12	Dil Fac

Matrix: Solid Date Collected: 08/08/21 12:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:18	08/10/21 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/10/21 09:18	08/10/21 19:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/10/21 09:18	08/10/21 19:11	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:01	

Eurofins Xenco, Carlsbad

(GRO)-C6-C10

Date Received: 08/09/21 12:05

Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-35-4

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/08/21 12:25 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-41

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:01	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:01	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/10/21 09:07	08/10/21 17:01	1
o-Terphenyl	84		70 - 130				08/10/21 09:07	08/10/21 17:01	1
-	omotography	Soluble							
Method: 300.0 - Anions, Ion Chr	omatograpny -	OUIGBIO							
Method: 300.0 - Anions, Ion Chr Analyte	0	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SB-35-25

Date Collected: 08/08/21 13:40 Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-42

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:18	08/10/21 19:32	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:18	08/10/21 19:32	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:18	08/10/21 19:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 19:32	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:18	08/10/21 19:32	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 19:32	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 19:32	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116	70 - 130	08/10/21 09:18	08/10/21 19:32	1
1,4-Difluorobenzene (Surr)	100	70 - 130	08/10/21 09:18	08/10/21 19:32	1

Metriod. 00 13D MM - Dieser Karig	je Organica (D	KO) (GO)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:23	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:23	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/10/21 09:07	08/10/21 17:23	1
o-Terphenyl	90		70 - 130				08/10/21 09:07	08/10/21 17:23	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	860	4.99	0.857	mg/Kg			08/11/21 19:35	1

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-35-40

Date Collected: 08/08/21 16:05 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-43

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:18	08/10/21 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				08/10/21 09:18	08/10/21 19:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/21 09:18	08/10/21 19:52	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 17:45	
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 17:45	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 17:45	•
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 17:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				08/10/21 09:07	08/10/21 17:45	-

Method: 300.0 - Anions, Ion Chro	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chlorida	129	4 95	0.850 mg/Kg			08/11/21 19:40	

70 - 130

Client Sample ID: SB-35-45 Lab Sample ID: 890-1074-44 Date Collected: 08/08/21 16:20 **Matrix: Solid**

Date Received: 08/09/21 12:05

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				08/10/21 09:18	08/10/21 20:12	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/10/21 09:18	08/10/21 20:12	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:07	1

Eurofins Xenco, Carlsbad

(GRO)-C6-C10

08/10/21 17:45

08/10/21 09:07

Job ID: 890-1074-1

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-35-45 Lab Sample ID: 890-1074-44

Date Collected: 08/08/21 16:20 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	30.1	J	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:07	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:07	1
Total TPH	30.1	J	49.9	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/10/21 09:07	08/10/21 18:07	1
o-Terphenyl	97		70 - 130				08/10/21 09:07	08/10/21 18:07	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte									

Client Sample ID: SB-34-2 Lab Sample ID: 890-1074-45

Date Collected: 08/08/21 16:30 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 09:18	08/10/21 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/10/21 09:18	08/10/21 20:33	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/10/21 09:18	08/10/21 20:33	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Casoline Pange Organics		11 *1	50.0	15.0	ma/Ka		08/10/21 00:07	08/10/21 18:28	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:28	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:28	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/10/21 09:07	08/10/21 18:28	1
o-Terphenyl	94		70 ₋ 130				08/10/21 09:07	08/10/21 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	21.8	5.02	0.862 mg/Kg			08/11/21 19:51	1	

Client: GHD Services Inc.

o-Terphenyl

Job ID: 890-1074-1 SDG: 11220747

08/10/21 09:07

08/10/21 18:50

Project/Site: Flamenco #1 Client Sample ID: SB-34-6

Lab Sample ID: 890-1074-46

Date Collected: 08/08/21 16:50 Matrix: Solid Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		08/10/21 09:18	08/10/21 20:53	
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/10/21 09:18	08/10/21 20:53	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/10/21 09:18	08/10/21 20:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 20:53	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		08/10/21 09:18	08/10/21 20:53	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 20:53	1
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:18	08/10/21 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/10/21 09:18	08/10/21 20:53	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/21 09:18	08/10/21 20:53	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 18:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 18:50	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 18:50	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 09:07	08/10/21 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
· .g ·	,,								

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		4.98	0.855	mg/Kg			08/11/21 19:57	1

70 - 130

95

Lab Sample ID: 890-1074-47 Client Sample ID: SB-34-4 Date Collected: 08/08/21 16:55 **Matrix: Solid** Date Received: 08/09/21 12:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:24	08/11/21 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/10/21 09:24	08/11/21 00:15	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/10/21 09:24	08/11/21 00:15	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:14	1

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Released to Imaging: 5/2/2022 3:37:29 PM

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-34-4

Date Collected: 08/08/21 16:55 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-47

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)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:14	1	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:14	1	
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	84		70 - 130				08/10/21 09:07	08/10/21 19:14	1	

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	,
Method: 300.0 - Anions, Ion Chromatogra	aphy - Soluble							
o-Terphenyl	90	70 - 130		(08/10/21 09:07	08/10/21 19:14	1	

Client Sample ID: SB-34-15 Lab Sample ID: 890-1074-48 Date Collected: 08/08/21 17:05

23.8

5.00

0.858 mg/Kg

Date Received: 08/09/21 12:05

Chloride

Matrix: Solid

08/11/21 20:03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:24	08/11/21 00:35	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:24	08/11/21 00:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:24	08/11/21 00:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/11/21 00:35	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:24	08/11/21 00:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/11/21 00:35	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/11/21 00:35	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119	70 - 130	08/10/21 09:24	08/11/21 00:35	1
1,4-Difluorobenzene (Surr)	96	70 - 130	08/10/21 09:24	08/11/21 00:35	1

Method: 8015B	NM - Diesel Rang	e Organics	(DRO) (GC)

Method. 60 130 MM - Diesel Kang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	16.2	J	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:37	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:37	1
Total TPH	16.2	J	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/10/21 09:07	08/10/21 19:37	1
o-Terphenyl	94		70 - 130				08/10/21 09:07	08/10/21 19:37	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166	4.97	0.853 mg/Kg			08/11/21 20:19	1

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-34-25

Date Collected: 08/08/21 17:15

o-Terphenyl

Lab Sample ID: 890-1074-49

08/10/21 14:23

08/11/21 02:40

Matrix: Solid

Method: 8021B - Volatile Orga	thod: 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		08/10/21 09:24	08/11/21 00:56	1		
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 09:24	08/11/21 00:56	1		
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 09:24	08/11/21 00:56	1		
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:24	08/11/21 00:56	1		
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/10/21 09:24	08/11/21 00:56	1		
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:24	08/11/21 00:56	1		
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:24	08/11/21 00:56	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
T											

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114	70 - 130	08/10/21 09:24	08/11/21 00:56	1
1,4-Difluorobenzene (Surr)	97	70 - 130	08/10/21 09:24	08/11/21 00:56	1

Method: 8015B NM - Diesel Rang	thod: 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		08/10/21 14:23	08/11/21 02:40	1			
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:23	08/11/21 02:40	1			
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:23	08/11/21 02:40	1			
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:23	08/11/21 02:40	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
1-Chlorooctane	103		70 - 130				08/10/21 14:23	08/11/21 02:40	1			

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	58.5	4.99	0.857	mg/Kg			08/11/21 20:25	1

70 - 130

126

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Date Received: 08/09/21 12:05

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

Matrix: Solid				Prep Type: Total/NA
_				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1074-1	SB-44-2	113	116	
890-1074-2	SB-44-4	111	80	
890-1074-3	SB-44-8	117	109	
890-1074-4	SB-44-25	139 S1+	112	
890-1074-5	SB-44-30	135 S1+	108	
890-1074-6	SB-15-2	118	112	
890-1074-7	SB-15-4	118	113	
890-1074-8	SB-15-6	129	109	
890-1074-9	SB-15-35	122	116	
890-1074-10	SB-15-40	123	109	
890-1074-11	SB-15-45	126	106	
890-1074-12	SB-16-2	114	106	
890-1074-12 MS	SB-16-2	179 S1+	87	
890-1074-12 MSD	SB-16-2	144 S1+	89	
890-1074-13	SB-16-4	119	109	
890-1074-14	SB-16-10	163 S1+	101	
890-1074-15	SB-16-20	124	105	
890-1074-16	SB-14-2	122	112	
890-1074-17	SB-14-4	85	87	
890-1074-18	SB-14-25	123	112	
890-1074-19	SB-14-30	121	107	
890-1074-20	SB-14-35	121	109	
890-1074-21	SB-43-2	122	113	
890-1074-22	SB-43-4	155 S1+	99	
890-1074-23	SB-43-25	122	110	
890-1074-24	SB-43-35	164 S1+	144 S1+	
890-1074-25	SB-43-40	134 S1+	100	
890-1074-26	SB-43-45	124	104	
890-1074-27	SB-12-2	118	105	
890-1074-28	SB-12-4	125	88	
890-1074-29	SB-12-20	125	103	
890-1074-30	SB-12-40	128	99	
890-1074-31	SB-12-45	556 S1+	6 S1-	
890-1074-32	SB-38-2	112	97	
890-1074-33	SB-38-4	114	101	
890-1074-34	SB-38-20	114	105	
890-1074-35	SB-38-40	111	100	
890-1074-36	SB-38-60	116	102	
890-1074-37	SB-38-65	113	105	
890-1074-38	SB-37-2	88	95	
890-1074-39	SB-37-4	109	99	
890-1074-40	SB-37-30	120	107	
890-1074-41	SB-35-4	107	101	
890-1074-42	SB-35-25	116	100	
890-1074-43	SB-35-40	120	97	
890-1074-44	SB-35-45	127	103	
890-1074-45	SB-34-2	101	96	
890-1074-46	SB-34-6	121	97	
890-1074-47	SB-34-4	106	104	
000 101 7-71	OD-0 1 -4	100	104	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

				Develop Civing and December / Accordance Limite)
		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1074-47 MS	SB-34-4	115	104	· —— · — · — · — · — · — · — · — · — ·
390-1074-48	SB-34-15	119	96	
390-1074-49	SB-34-25	114	97	
_CS 880-6282/1-A	Lab Control Sample	100	106	
LCS 880-6287/1-A	Lab Control Sample	105	106	
LCS 880-6288/1-A	Lab Control Sample	112	104	
_CS 880-6318/1-A	Lab Control Sample	102	100	
_CS 880-6336/1-A	Lab Control Sample	149 S1+	116	
CSD 880-6282/2-A	Lab Control Sample Dup	101	102	
_CSD 880-6287/2-A	Lab Control Sample Dup	103	106	
_CSD 880-6288/2-A	Lab Control Sample Dup	106	104	
_CSD 880-6318/2-A	Lab Control Sample Dup	102	103	
_CSD 880-6336/2-A	Lab Control Sample Dup	153 S1+	124	
MB 880-6282/5-A	Method Blank	118	105	
MB 880-6287/5-A	Method Blank	97	98	
MB 880-6288/5-A	Method Blank	135 S1+	97	
MB 880-6318/5-A	Method Blank	126	101	
MB 880-6336/5-A	Method Blank	99	104	
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			
DFBZ = 1,4-Difluorober	nzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

-		Percent Surrogate Recovery (Acceptance Limits)					
		BFB1	DFBZ1				
Lab Sample ID	Client Sample ID						
890-1074-47 MSD	SB-34-4						
Surrogate Legend							
BFB = 4-Bromofluorob	enzene (Surr)						
DFBZ = 1,4-Difluorobe	nzene (Surr)						

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-1074-1	SB-44-2	90	93	
90-1074-1 MS	SB-44-2	86	82	
90-1074-1 MSD	SB-44-2	86	81	
90-1074-2	SB-44-4	93	98	
90-1074-3	SB-44-8	89	93	
90-1074-4	SB-44-25	85	86	
90-1074-5	SB-44-30	86	86	
90-1074-6	SB-15-2	90	91	
90-1074-7	SB-15-4	97	100	
90-1074-8	SB-15-6	89	90	
90-1074-9	SB-15-35	93	96	

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

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

Prop Type: Total/NA

Matrix: Solid				Prep Type: Total/NA
				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1074-10	SB-15-40	84	87	
890-1074-11	SB-15-45	99	105	
890-1074-12	SB-16-2	90	95	
890-1074-13	SB-16-4	85	86	
890-1074-14	SB-16-10	86	90	
890-1074-15	SB-16-20	90	96	
890-1074-16	SB-14-2	89	94	
890-1074-17	SB-14-4	92	99	
890-1074-18	SB-14-25	82	88	
890-1074-19	SB-14-30	82	84	
890-1074-20	SB-14-35	84	86	
890-1074-21	SB-43-2	123	150 S1+	
890-1074-21 MS	SB-43-2	100	111	
890-1074-21 MSD	SB-43-2	93	104	
890-1074-22	SB-43-4	93	119	
890-1074-23	SB-43-25	98	123	
890-1074-24	SB-43-35	93	114	
890-1074-25	SB-43-40	96	114	
890-1074-26	SB-43-45	83	97	
890-1074-27	SB-12-2	99	118	
890-1074-28	SB-12-4	120	150 S1+	
890-1074-29	SB-12-20	111	146 S1+	
890-1074-30	SB-12-40	128	158 S1+	
890-1074-31	SB-12-45	114	138 S1+	
890-1074-32	SB-38-2	113	148 S1+	
890-1074-33	SB-38-4	99	122	
890-1074-34	SB-38-20	97	123	
890-1074-35	SB-38-40	90	115	
890-1074-36	SB-38-60	89	106	
890-1074-37	SB-38-65	89	111	
890-1074-38	SB-37-2	96	115	
890-1074-39	SB-37-4	98	116	
890-1074-40	SB-37-30	105	128	
890-1074-41	SB-35-4	80	84	
890-1074-42	SB-35-25	85	90	
890-1074-43	SB-35-40	89	94	
890-1074-44	SB-35-45	92	97	
890-1074-45	SB-34-2	89	94	
890-1074-46	SB-34-6	89	95	
890-1074-47	SB-34-4	84	90	
890-1074-48	SB-34-15	89	94	
890-1074-49	SB-34-25	103	126	
LCS 880-6284/2-A	Lab Control Sample	83	79	
LCS 880-6285/2-A	Lab Control Sample	86	83	
LCS 880-6286/2-A	Lab Control Sample	109	118	
LCS 880-6329/2-A	Lab Control Sample	90	98	
LCSD 880-6284/3-A	Lab Control Sample Dup	89	85	
LCSD 880-6285/3-A	Lab Control Sample Dup	85	81	
LCSD 880-6286/3-A	Lab Control Sample Dup	114	119	
LCSD 880-6329/3-A	Lab Control Sample Dup	90	96	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
MB 880-6284/1-A	Method Blank	96	101	
MB 880-6285/1-A	Method Blank	83	88	
MB 880-6286/1-A	Method Blank	96	123	
MB 880-6329/1-A	Method Blank	94	114	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: GHD Services Inc. Job ID: 890-1074-1 SDG: 11220747 Project/Site: Flamenco #1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-6282/5-A

Matrix: Solid

Analysis Batch: 6279

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6282

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 08:51	08/10/21 12:53	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 08:51	08/10/21 12:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 08:51	08/10/21 12:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 08:51	08/10/21 12:53	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 08:51	08/10/21 12:53	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 08:51	08/10/21 12:53	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 08:51	08/10/21 12:53	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/10/21 08:51	08/10/21 12:53	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/10/21 08:51	08/10/21 12:53	1

Lab Sample ID: LCS 880-6282/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 6279

Prep Type: Total/NA Prep Batch: 6282

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09922		mg/Kg		99	70 - 130	
Toluene	0.100	0.08677		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.08938		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1850		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09310		mg/Kg		93	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-6282/2-A

Matrix: Solid

Analysis Batch: 6279

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6282

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1049		mg/Kg		105	70 - 130	6	35
Toluene	0.100	0.09319		mg/Kg		93	70 - 130	7	35
Ethylbenzene	0.100	0.09711		mg/Kg		97	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2008		mg/Kg		100	70 - 130	8	35
o-Xylene	0.100	0.09965		mg/Kg		100	70 - 130	7	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: MB 880-6287/5-A

Matrix: Solid

Analysis Batch: 6292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6287

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:18	08/10/21 13:01	1

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Page 43 of 88

QC Sample Results

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: MB 880-6287/5-A

Matrix: Solid

Analysis Batch: 6292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6287

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 13:01	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	l Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/10/21 09	:18 08/10/21 13:0	1 1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/10/21 09	:18 08/10/21 13:0	1 1

Lab Sample ID: LCS 880-6287/1-A

Matrix: Solid

Analysis Batch: 6292

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 6287

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09319		mg/Kg		93	70 - 130	
Toluene	0.100	0.08895		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.08853		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1781		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.09060		mg/Kg		91	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-6287/2-A

Matrix: Solid

Analysis Batch: 6292

Client Sam	ple ID: La	b Control	Sample Dup

Prep Type: Total/NA

Prep Batch: 6287

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.09538 mg/Kg 95 70 - 130 35 0.100 0.08810 Toluene 88 70 - 130 35 mg/Kg 0.100 0.08732 mg/Kg 87 70 - 130 35 Ethylbenzene 0.200 m-Xylene & p-Xylene 0.1742 mg/Kg 87 70 - 130 35 o-Xylene 0.100 0.08815 mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: MB 880-6288/5-A

Matrix: Solid

Analysis Batch: 6292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6288

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:24	08/10/21 23:54	1

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Page 44 of 88

Client: GHD Services Inc. Project/Site: Flamenco #1

Job ID: 890-1074-1 SDG: 11220747

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

Lab Sample ID: MB 880-6288/5-A

Lab Sample ID: LCS 880-6288/1-A

Lab Sample ID: LCSD 880-6288/2-A

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analysis Batch: 6292

Analysis Batch: 6292

Analysis Batch: 6292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6288

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/10/21 23:54	1

мв мв

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	08/10/21 09:24	08/10/21 23:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/10/21 09:24	08/10/21 23:54	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6288

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08756		mg/Kg		88	70 - 130	
Toluene	0.100	0.08601		mg/Kg		86	70 - 130	
Ethylbenzene	0.100	0.08731		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1787		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.08985		mg/Kg		90	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6288

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08313		mg/Kg		83	70 - 130	5	35
Toluene	0.100	0.07869		mg/Kg		79	70 - 130	9	35
Ethylbenzene	0.100	0.07898		mg/Kg		79	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1600		mg/Kg		80	70 - 130	11	35
o-Xylene	0.100	0.08117		mg/Kg		81	70 - 130	10	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1.4-Difluorobenzene (Surr)	104		70 ₋ 130

Lab Sample ID: 890-1074-47 MSD

Matrix: Solid

Client Sample ID: SB-34-4 Prep Type: Total/NA

Analysis Batch: 6292								Pro	ep Batch:	. 6200
	Sample Sar	mple Spike	MSD	MSD				%Rec.		RPD
Analyte	Result Qua	ualifier Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000383 U	0.0990	0.08169		mg/Kg					
Toluene	<0.000453 U	0.0990	0.07902		mg/Kg					
Ethylbenzene	<0.000562 U	0.0990	0.08022		mg/Kg					

Client: GHD Services Inc. Project/Site: Flamenco #1

Job ID: 890-1074-1 SDG: 11220747

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

Lab Sample ID: 890-1074-47 MSD

Matrix: Solid

Analysis Batch: 6292

Client Sample ID: SB-34-4 Prep Type: Total/NA

Prep Batch: 6288

Sample Sample Spike MSD MSD %Rec. **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit <0.00100 U 0.198 0.1610 m-Xylene & p-Xylene mg/Kg o-Xylene < 0.000342 0.0990 0.08207 mg/Kg

MSD MSD

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1074-47 MS Client Sample ID: SB-34-4 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 6292

MS MS

Qualifier Limits Surrogate %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 115 1,4-Difluorobenzene (Surr) 104 70 - 130

Lab Sample ID: MB 880-6318/5-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 6279

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 08/10/21 11:38 08/11/21 00:29 Benzene <0.00200 U 0.00200 0.000385 mg/Kg Toluene 0.0007736 J 0.00200 0.000456 08/10/21 11:38 08/11/21 00:29 mg/Kg <0.00200 U 0.00200 08/10/21 11:38 08/11/21 00:29 Ethylbenzene 0.000565 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 0.00101 mg/Kg 08/10/21 11:38 08/11/21 00:29 o-Xylene <0.00200 U 0.00200 0.000344 mg/Kg 08/10/21 11:38 08/11/21 00:29 Xylenes, Total <0.00400 U 0.00400 0.00101 mg/Kg 08/10/21 11:38 08/11/21 00:29 Total BTEX <0.00400 U 0.00400 0.00101 mg/Kg 08/10/21 11:38 08/11/21 00:29

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126	70 - 130	08/10/21 11:38	08/11/21 00:29	1
1,4-Difluorobenzene (Surr)	101	70 ₋ 130	08/10/21 11:38	08/11/21 00:29	1

Lab Sample ID: LCS 880-6318/1-A

Released to Imaging: 5/2/2022 3:37:29 PM

Matrix: Solid

Analysis Batch: 6279

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6318

Prep Batch: 6318

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08097		mg/Kg		81	70 - 130	
Toluene	0.100	0.07610		mg/Kg		76	70 - 130	
Ethylbenzene	0.100	0.08501		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	0.200	0.1746		mg/Kg		87	70 - 130	
o-Xylene	0.100	0.08994		mg/Kg		90	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Client: GHD Services Inc. Job ID: 890-1074-1 SDG: 11220747 Project/Site: Flamenco #1

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

Lab Sample ID: LCSD 880-6318/2-A

Matrix: Solid

Analysis Batch: 6279

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6318

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08816		mg/Kg		88	70 - 130	9	35
Toluene	0.100	0.08107		mg/Kg		81	70 - 130	6	35
Ethylbenzene	0.100	0.08748		mg/Kg		87	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1786		mg/Kg		89	70 - 130	2	35
o-Xylene	0.100	0.09210		mg/Kg		92	70 - 130	2	35

LCSD LCSD

Surrogate	%Recovery C	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1 4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-1074-12 MS

Matrix: Solid

Analysis Batch: 6279

Client Sample ID: SB-16-2 Prep Type: Total/NA

Prep Batch: 6318

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1	0.0998	0.06552	F1	mg/Kg		66	70 - 130	
Toluene	<0.00199	U	0.0998	0.08651		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00199	U	0.0998	0.09619		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2082		mg/Kg		104	70 - 130	
o-Xylene	0.000736	J	0.0998	0.1168		mg/Kg		116	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130
1.4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 890-1074-12 MSD

Matrix: Solid

Analysis Batch: 6279

Client Sample ID: SB-16-2

Prep Type: Total/NA

Prep Batch: 6318

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0994	0.05719	F1	mg/Kg		58	70 - 130	14	35
Toluene	<0.00199	U	0.0994	0.06931		mg/Kg		70	70 - 130	22	35
Ethylbenzene	<0.00199	U	0.0994	0.08714		mg/Kg		88	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1943		mg/Kg		98	70 - 130	7	35
o-Xylene	0.000736	J	0.0994	0.1043		mg/Kg		104	70 - 130	11	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	
1,4-Difluorobenzene (Surr)	89		70 - 130	

Lab Sample ID: MB 880-6336/5-A

Matrix: Solid

Analysis Batch: 6356

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6336

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/11/21 10:00	08/11/21 17:46	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/11/21 10:00	08/11/21 17:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/11/21 10:00	08/11/21 17:46	1

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Page 47 of 88

QC Sample Results

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: MB 880-6336/5-A

Matrix: Solid

Analysis Batch: 6356

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6336

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/11/21 10:00	08/11/21 17:46	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/11/21 10:00	08/11/21 17:46	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/11/21 10:00	08/11/21 17:46	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/11/21 10:00	08/11/21 17:46	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	08/11/21 10:00	08/11/21 17:46	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/11/21 10:00	08/11/21 17:46	1

Lab Sample ID: LCS 880-6336/1-A

Matrix: Solid

Analysis Batch: 6356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6336

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1273		mg/Kg		127	70 - 130	
Toluene	0.100	0.1226		mg/Kg		123	70 - 130	
Ethylbenzene	0.100	0.1171		mg/Kg		117	70 - 130	
m-Xylene & p-Xylene	0.200	0.2312		mg/Kg		116	70 - 130	
o-Xylene	0.100	0.1140		mg/Kg		114	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	
1,4-Difluorobenzene (Surr)	116		70 - 130	

Lab Sample ID: LCSD 880-6336/2-A

Matrix: Solid

Analysis Batch: 6356

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6336

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1226		mg/Kg		123	70 - 130	4	35
Toluene	0.100	0.1158		mg/Kg		116	70 - 130	6	35
Ethylbenzene	0.100	0.1269		mg/Kg		127	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2514		mg/Kg		126	70 - 130	8	35
o-Xylene	0.100	0.1258		mg/Kg		126	70 - 130	10	35

LCSD LCSD

мв мв Result Qualifier

<50.0 U

Surrogate	76Recovery	Qualifier	Lillins
4-Bromofluorobenzene (Surr)	153	S1+	70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

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

Lab Sample ID: MB 880-6284/1-A

Matrix: Solid

Analysis Batch: 6276

Gasoline Range Organics

Client Sample ID: Method Blank Prep Type: Total/NA

Prepared

08/10/21 09:07

Prep Batch: 6284

Analyzed 08/10/21 10:26

(GRO)-C6-C10

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Page 48 of 88

RL

50.0

MDL Unit

15.0 mg/Kg

Client: GHD Services Inc. Project/Site: Flamenco #1

Job ID: 890-1074-1 SDG: 11220747

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

Lab Sample ID: MB 880-6284/1-A

Matrix: Solid

Analysis Batch: 6276

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 6284

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 10:26	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 10:26	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:07	08/10/21 10:26	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	08/10/21 09:07	08/10/21 10:26	1
o-Terphenyl	101		70 - 130	08/10/21 09:07	08/10/21 10:26	1

Lab Sample ID: LCS 880-6284/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 6276

Prep Type: Total/NA
Prep Batch: 6284

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 896.8 mg/Kg 90 70 - 130 (GRO)-C6-C10 1000 940.1 Diesel Range Organics (Over mg/Kg 94 70 - 130

C10-C28)

	LCS LCS	
Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane	83	70 - 130
o-Terphenyl	79	70 - 130

Lab Sample ID: LCSD 880-6284/3-A

Matrix: Solid

Analysis Batch: 6276

Client	Sample	ID: I ah	Control	Sample	Dun

Prep Type: Total/NA

Prep Batch: 6284

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1110	*1	mg/Kg		111	70 - 130	21	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1016		mg/Kg		102	70 - 130	8	20
C10 C28)									

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	89	70 - 130
o-Terphenyl	85	70 - 130

Lab Sample ID: MB 880-6285/1-A

Matrix: Solid

Analysis Batch: 6270

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 6285

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 11:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 11:15	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 11:15	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:08	08/10/21 11:15	1

Job ID: 890-1074-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

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

Lab Sample ID: MB 880-6285/1-A

Lab Sample ID: LCSD 880-6285/3-A

Matrix: Solid

Analysis Batch: 6270

Matrix: Solid

Analysis Batch: 6270

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6285

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	0	8/10/21 09:08	08/10/21 11:15	1
o-Terphenyl	88		70 - 130	0	08/10/21 09:08	08/10/21 11:15	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-6285/2-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6270** Prep Batch: 6285

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	912.8		mg/Kg		91	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	871.8		mg/Kg		87	70 - 130	
C10-C28)								

LCS LCS Surrogate %Recovery Qualifier Limits 86 70 - 130 1-Chlorooctane o-Terphenyl 83 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6285

Spike LCSD LCSD RPD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits Limit Gasoline Range Organics 1000 834.7 mg/Kg 83 70 - 130 9 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 861.6 mg/Kg 86 70 - 130 20 C10-C28)

LCSD LCSD Qualifier Limits Surrogate %Recovery 70 - 130 1-Chlorooctane 85 o-Terphenyl 81 70 - 130

Lab Sample ID: 890-1074-1 MS Client Sample ID: SB-44-2

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6270** Prep Batch: 6285

	IVIS	IVIS			
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	86		70 - 130		
o-Terphenyl	82		70 - 130		

Lab Sample ID: 890-1074-1 MSD Client Sample ID: SB-44-2

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6270** Prep Batch: 6285

MSD MSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 86 70 - 130 o-Terphenyl 81 70 - 130

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1

SDG: 11220747

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

Lab Sample ID: MB 880-6286/1-A

Matrix: Solid

Analysis Batch: 6272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6286

	IVID	5 MID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 11:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 11:15	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 11:15	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 09:09	08/10/21 11:15	1

мв мв

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	08/10/21 09:09	08/10/21 11:15	1
o-Terphenyl	123		70 - 130	08/10/21 09:09	08/10/21 11:15	1

Lab Sample ID: LCS 880-6286/2-A

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6272** Prep Batch: 6286 LCS LCS Spike %Rec.

Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1002 100 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1164 mg/Kg 116 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	109	70 - 130
o-Terphenvl	118	70 - 130

Lab Sample ID: LCSD 880-6286/3-A

Matrix: Solid

Analysis Batch: 6272

Client Comm	In ID. I a	h Camera	I Campala Dire
Client Samo	ie iu: La	o Contro	I Sample Dup

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6286

LCSD LCSD %Rec. RPD Spike Added Result Qualifier Limit Analyte Unit %Rec Limits **RPD** 1000 1052 20 Gasoline Range Organics 105 70 - 130 5 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1194 mg/Kg 119 70 - 1302 20 C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 890-1074-21 MS

Matrix: Solid

Analysis Batch: 6272

	_ 130	70	119
Client Sample ID: SB-43-2			

Prep Type: Total/NA Prep Batch: 6286

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	111		70 - 130

Job ID: 890-1074-1

SDG: 11220747

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

Lab Sample ID: 890-1074-21 MSD

Matrix: Solid

Analysis Batch: 6272

Client: GHD Services Inc.

Project/Site: Flamenco #1

Client Sample ID: SB-43-2 Prep Type: Total/NA

Prep Batch: 6286

MSD MSD %Recovery

Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 93 104 70 - 130 o-Terphenyl

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6329

Lab Sample ID: MB 880-6329/1-A **Matrix: Solid**

Analysis Batch: 6274

MB MB

Result Qualifier RL MDL Unit Prepared Dil Fac Analyte D Analyzed <50.0 U 50.0 08/10/21 14:23 08/10/21 20:20 Gasoline Range Organics 15.0 mg/Kg (GRO)-C6-C10 50.0 Diesel Range Organics (Over 15.58 J 15.0 mg/Kg 08/10/21 14:23 08/10/21 20:20 C10-C28) 08/10/21 14:23 Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 08/10/21 20:20 Total TPH 15.58 J 50.0 08/10/21 14:23 08/10/21 20:20 15.0 mg/Kg

мв мв

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 94 70 - 130 08/10/21 14:23 08/10/21 20:20 o-Terphenyl 114 70 - 130 08/10/21 14:23 08/10/21 20:20

Lab Sample ID: LCS 880-6329/2-A

Lab Sample ID: LCSD 880-6329/3-A

Released to Imaging: 5/2/2022 3:37:29 PM

Matrix: Solid

Analysis Batch: 6274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6329

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	894.6		mg/Kg		89	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1085		mg/Kg		108	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	90	70 - 130
o-Terphenyl	98	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6329

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	995.3		mg/Kg		100	70 - 130	11	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1087		mg/Kg		109	70 - 130	0	20	
	Gasoline Range Organics (GRO)-C6-C10	Analyte Added Gasoline Range Organics 1000 (GRO)-C6-C10	Analyte Added Result Gasoline Range Organics 1000 995.3 (GRO)-C6-C10 995.3	Analyte Added Result Qualifier Gasoline Range Organics 1000 995.3 (GRO)-C6-C10	AnalyteAddedResultQualifierUnitGasoline Range Organics1000995.3mg/Kg(GRO)-C6-C10	AnalyteAddedResultQualifierUnitDGasoline Range Organics1000995.3mg/Kg(GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecGasoline Range Organics1000995.3mg/Kg100(GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecLimitsGasoline Range Organics1000995.3mg/Kg10070 - 130(GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecLimitsRPDGasoline Range Organics1000995.3mg/Kg10070 - 13011(GRO)-C6-C10	AnalyteAddedResultQualifierUnitD%RecLimitsRPDLimitGasoline Range Organics1000995.3mg/Kg10070 - 1301120(GRO)-C6-C10

C10-C28)

Matrix: Solid

Analysis Batch: 6274

	LUSD	LUSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	96		70 - 130

Job ID: 890-1074-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6316/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 6391

мв мв

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 0.858 mg/Kg 08/11/21 10:14

Lab Sample ID: LCS 880-6316/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 6391

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 250.2 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-6316/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 6391

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250.6 250 mg/Kg 100 90 - 110

Lab Sample ID: 890-1074-11 MS Client Sample ID: SB-15-45 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6391

MS MS Sample Sample Spike %Rec. Added %Rec Analyte Result Qualifier Result Qualifier Unit Limits Chloride 257 248 490.1 90 - 110 mg/Kg

Lab Sample ID: 890-1074-11 MSD Client Sample ID: SB-15-45 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6391

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 257 248 489.9 mg/Kg 94 90 - 110

Lab Sample ID: MB 880-6317/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6392

мв мв

MDL Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 5.00 0.858 mg/Kg 08/11/21 11:49

Lab Sample ID: LCS 880-6317/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 6392

LCS LCS %Rec. Spike Added Analyte Result Qualifier Limits Unit %Rec Chloride 250 257.3 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-6317/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Patch: 6202

Allalysis Batch: 6392									
	Spi	ke LCSE	LCSD				%Rec.		RPD
Analyte	Add	ed Resul	t Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		50 257 4		ma/Ka	_	103	90 - 110		20

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-14-4

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1074-17 MS **Matrix: Solid**

Analysis Batch: 6392

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1130		248	1343	4	mg/Kg		87	90 - 110	

Lab Sample ID: 890-1074-17 MSD Client Sample ID: SB-14-4 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6392

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1130		248	1341	4	mg/Kg		86	90 - 110	0	20

Lab Sample ID: 890-1074-27 MS Client Sample ID: SB-12-2 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6392

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	938	F1	250	1153	F1	mg/Kg	_	86	90 - 110	

Lab Sample ID: 890-1074-27 MSD Client Sample ID: SB-12-2 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6392

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	938	F1	250	1151	F1	mg/Kg		85	90 - 110	0	20

Lab Sample ID: MB 880-6319/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6396

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	0.858	mg/Kg			08/11/21 18:27	1	

MR MR

Lab Sample ID: LCS 880-6319/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6396

	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	259.3		ma/Ka		104	90 - 110		_

Lab Sample ID: LCSD 880-6319/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 6396

LCSD LCSD %Rec. RPD Spike Result Qualifier Added Analyte Unit Limits RPD Limit %Rec 250 Chloride 259.8 mg/Kg 104 90 - 110

Lab Sample ID: 890-1074-37 MS Client Sample ID: SB-38-65

Matrix: Solid

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Analysis Batch: 6396											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	64.5		249	314.8		mg/Kg		101	90 - 110		•

Eurofins Xenco, Carlsbad

Prep Type: Soluble

Prep Type: Soluble

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1074-1 SDG: 11220747

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: SB-38-65

Client Sample ID: SB-34-4

Client Sample ID: SB-34-4

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: SB-44-30

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1074-37 MSD

Matrix: Solid

Analysis Batch: 6396

•	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	64.5		249	313.7		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-1074-47 MS

Matrix: Solid

Analysis Batch: 6396

_	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	23.8		250	271.8		mg/Kg		99	90 - 110	

Lab Sample ID: 890-1074-47 MSD

Matrix: Solid

Analysis Batch: 6396

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	23.8		250	272.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-6320/1-A

Matrix: Solid

Analysis Batch: 6399

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			08/12/21 00:54	1

Lab Sample ID: LCS 880-6320/2-A

Matrix: Solid

Analysis Batch: 6399

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier l	Unit D	%Rec	Limits	
Chloride	250	267.0	r	mg/Kg	107	90 - 110	

Lab Sample ID: LCSD 880-6320/3-A

Matrix: Solid

Analysis Batch: 6399

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	267.3		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-1074-5 MS

Matrix: Solid

Analysis Batch: 6399

	Sample Sample	Spike	MS	MS				%Rec.
Analyte	Result Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	96.6	250	351.4		mg/Kg		102	90 - 110

Lab Sample ID: 890-1074-5 MSD

Released to Imaging: 5/2/2022 3:37:29 PM

Matrix: Solid

Analysis Batch: 6399											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	96.6		250	351.7		mg/Kg		102	90 - 110	0	20

Eurofins Xenco, Carlsbad

Client Sample ID: SB-44-30

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

GC VOA

Analysis Batch: 6279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1074-1	SB-44-2	Total/NA	Solid	8021B	628
890-1074-2	SB-44-4	Total/NA	Solid	8021B	628
890-1074-3	SB-44-8	Total/NA	Solid	8021B	628
890-1074-4	SB-44-25	Total/NA	Solid	8021B	628
890-1074-5	SB-44-30	Total/NA	Solid	8021B	628
890-1074-6	SB-15-2	Total/NA	Solid	8021B	628
890-1074-7	SB-15-4	Total/NA	Solid	8021B	628
890-1074-8	SB-15-6	Total/NA	Solid	8021B	628
890-1074-9	SB-15-35	Total/NA	Solid	8021B	628
890-1074-10	SB-15-40	Total/NA	Solid	8021B	628
890-1074-11	SB-15-45	Total/NA	Solid	8021B	628
890-1074-12	SB-16-2	Total/NA	Solid	8021B	631
890-1074-13	SB-16-4	Total/NA	Solid	8021B	631
890-1074-14	SB-16-10	Total/NA	Solid	8021B	631
890-1074-15	SB-16-20	Total/NA	Solid	8021B	631
890-1074-16	SB-14-2	Total/NA	Solid	8021B	631
890-1074-17	SB-14-4	Total/NA	Solid	8021B	631
890-1074-18	SB-14-25	Total/NA	Solid	8021B	631
890-1074-19	SB-14-30	Total/NA	Solid	8021B	631
890-1074-20	SB-14-35	Total/NA	Solid	8021B	631
890-1074-21	SB-43-2	Total/NA	Solid	8021B	631
890-1074-22	SB-43-4	Total/NA	Solid	8021B	631
890-1074-23	SB-43-25	Total/NA	Solid	8021B	631
890-1074-25	SB-43-40	Total/NA	Solid	8021B	631
890-1074-26	SB-43-45	Total/NA	Solid	8021B	631
890-1074-27	SB-12-2	Total/NA	Solid	8021B	631
890-1074-28	SB-12-4	Total/NA	Solid	8021B	631
890-1074-29	SB-12-20	Total/NA	Solid	8021B	631
890-1074-30	SB-12-40	Total/NA	Solid	8021B	631
890-1074-31	SB-12-45	Total/NA	Solid	8021B	631
MB 880-6282/5-A	Method Blank	Total/NA	Solid	8021B	628
MB 880-6318/5-A	Method Blank	Total/NA	Solid	8021B	631
LCS 880-6282/1-A	Lab Control Sample	Total/NA	Solid	8021B	628
LCS 880-6318/1-A	Lab Control Sample	Total/NA	Solid	8021B	631
LCSD 880-6282/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	628
LCSD 880-6318/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	631
890-1074-12 MS	SB-16-2	Total/NA	Solid	8021B	631
890-1074-12 MSD	SB-16-2	Total/NA	Solid	8021B	631

Prep Batch: 6282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-1	SB-44-2	Total/NA	Solid	5035	
890-1074-2	SB-44-4	Total/NA	Solid	5035	
890-1074-3	SB-44-8	Total/NA	Solid	5035	
890-1074-4	SB-44-25	Total/NA	Solid	5035	
890-1074-5	SB-44-30	Total/NA	Solid	5035	
890-1074-6	SB-15-2	Total/NA	Solid	5035	
890-1074-7	SB-15-4	Total/NA	Solid	5035	
890-1074-8	SB-15-6	Total/NA	Solid	5035	
890-1074-9	SB-15-35	Total/NA	Solid	5035	
890-1074-10	SB-15-40	Total/NA	Solid	5035	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

GC VOA (Continued)

Prep Batch: 6282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-11	SB-15-45	Total/NA	Solid	5035	
MB 880-6282/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6282/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6282/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 6287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-32	SB-38-2	Total/NA	Solid	5035	
890-1074-33	SB-38-4	Total/NA	Solid	5035	
890-1074-34	SB-38-20	Total/NA	Solid	5035	
890-1074-35	SB-38-40	Total/NA	Solid	5035	
890-1074-36	SB-38-60	Total/NA	Solid	5035	
890-1074-37	SB-38-65	Total/NA	Solid	5035	
890-1074-38	SB-37-2	Total/NA	Solid	5035	
890-1074-39	SB-37-4	Total/NA	Solid	5035	
890-1074-40	SB-37-30	Total/NA	Solid	5035	
890-1074-41	SB-35-4	Total/NA	Solid	5035	
890-1074-42	SB-35-25	Total/NA	Solid	5035	
890-1074-43	SB-35-40	Total/NA	Solid	5035	
890-1074-44	SB-35-45	Total/NA	Solid	5035	
890-1074-45	SB-34-2	Total/NA	Solid	5035	
890-1074-46	SB-34-6	Total/NA	Solid	5035	
MB 880-6287/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6287/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6287/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 6288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-47	SB-34-4	Total/NA	Solid	5035	<u> </u>
890-1074-48	SB-34-15	Total/NA	Solid	5035	
890-1074-49	SB-34-25	Total/NA	Solid	5035	
MB 880-6288/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1074-47 MSD	SB-34-4	Total/NA	Solid	5035	

Analysis Batch: 6292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-32	SB-38-2	Total/NA	Solid	8021B	6287
890-1074-33	SB-38-4	Total/NA	Solid	8021B	6287
890-1074-34	SB-38-20	Total/NA	Solid	8021B	6287
890-1074-35	SB-38-40	Total/NA	Solid	8021B	6287
890-1074-36	SB-38-60	Total/NA	Solid	8021B	6287
890-1074-37	SB-38-65	Total/NA	Solid	8021B	6287
890-1074-38	SB-37-2	Total/NA	Solid	8021B	6287
890-1074-39	SB-37-4	Total/NA	Solid	8021B	6287
890-1074-40	SB-37-30	Total/NA	Solid	8021B	6287
890-1074-41	SB-35-4	Total/NA	Solid	8021B	6287
890-1074-42	SB-35-25	Total/NA	Solid	8021B	6287
890-1074-43	SB-35-40	Total/NA	Solid	8021B	6287
890-1074-44	SB-35-45	Total/NA	Solid	8021B	6287

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Batch _____

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

GC VOA (Continued)

Analysis Batch: 6292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-45	SB-34-2	Total/NA	Solid	8021B	6287
890-1074-46	SB-34-6	Total/NA	Solid	8021B	6287
890-1074-47	SB-34-4	Total/NA	Solid	8021B	6288
890-1074-48	SB-34-15	Total/NA	Solid	8021B	6288
890-1074-49	SB-34-25	Total/NA	Solid	8021B	6288
MB 880-6287/5-A	Method Blank	Total/NA	Solid	8021B	6287
MB 880-6288/5-A	Method Blank	Total/NA	Solid	8021B	6288
LCS 880-6287/1-A	Lab Control Sample	Total/NA	Solid	8021B	6287
LCS 880-6288/1-A	Lab Control Sample	Total/NA	Solid	8021B	6288
LCSD 880-6287/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6287
LCSD 880-6288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6288
890-1074-47 MS	SB-34-4	Total/NA	Solid	8021B	
890-1074-47 MSD	SB-34-4	Total/NA	Solid	8021B	6288

Prep Batch: 6318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-12	SB-16-2	Total/NA	Solid	5035	
890-1074-13	SB-16-4	Total/NA	Solid	5035	
890-1074-14	SB-16-10	Total/NA	Solid	5035	
890-1074-15	SB-16-20	Total/NA	Solid	5035	
890-1074-16	SB-14-2	Total/NA	Solid	5035	
890-1074-17	SB-14-4	Total/NA	Solid	5035	
890-1074-18	SB-14-25	Total/NA	Solid	5035	
890-1074-19	SB-14-30	Total/NA	Solid	5035	
890-1074-20	SB-14-35	Total/NA	Solid	5035	
890-1074-21	SB-43-2	Total/NA	Solid	5035	
890-1074-22	SB-43-4	Total/NA	Solid	5035	
890-1074-23	SB-43-25	Total/NA	Solid	5035	
890-1074-25	SB-43-40	Total/NA	Solid	5035	
890-1074-26	SB-43-45	Total/NA	Solid	5035	
890-1074-27	SB-12-2	Total/NA	Solid	5035	
890-1074-28	SB-12-4	Total/NA	Solid	5035	
890-1074-29	SB-12-20	Total/NA	Solid	5035	
890-1074-30	SB-12-40	Total/NA	Solid	5035	
890-1074-31	SB-12-45	Total/NA	Solid	5035	
MB 880-6318/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6318/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6318/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1074-12 MS	SB-16-2	Total/NA	Solid	5035	
890-1074-12 MSD	SB-16-2	Total/NA	Solid	5035	

Prep Batch: 6336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-24	SB-43-35	Total/NA	Solid	5035	
MB 880-6336/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6336/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6336/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 6356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch					
890-1074-24	SB-43-35	Total/NA	Solid	8021B	6336					

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

GC VOA (Continued)

Analysis Batch: 6356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6336/5-A	Method Blank	Total/NA	Solid	8021B	6336
LCS 880-6336/1-A	Lab Control Sample	Total/NA	Solid	8021B	6336
LCSD 880-6336/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6336

GC Semi VOA

Analysis Batch: 6270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-1	SB-44-2	Total/NA	Solid	8015B NM	6285
890-1074-2	SB-44-4	Total/NA	Solid	8015B NM	6285
890-1074-3	SB-44-8	Total/NA	Solid	8015B NM	6285
890-1074-4	SB-44-25	Total/NA	Solid	8015B NM	6285
890-1074-5	SB-44-30	Total/NA	Solid	8015B NM	6285
890-1074-6	SB-15-2	Total/NA	Solid	8015B NM	6285
890-1074-7	SB-15-4	Total/NA	Solid	8015B NM	6285
890-1074-8	SB-15-6	Total/NA	Solid	8015B NM	6285
890-1074-9	SB-15-35	Total/NA	Solid	8015B NM	6285
890-1074-10	SB-15-40	Total/NA	Solid	8015B NM	6285
890-1074-11	SB-15-45	Total/NA	Solid	8015B NM	6285
890-1074-12	SB-16-2	Total/NA	Solid	8015B NM	6285
890-1074-13	SB-16-4	Total/NA	Solid	8015B NM	6285
890-1074-14	SB-16-10	Total/NA	Solid	8015B NM	6285
890-1074-15	SB-16-20	Total/NA	Solid	8015B NM	6285
890-1074-16	SB-14-2	Total/NA	Solid	8015B NM	6285
890-1074-17	SB-14-4	Total/NA	Solid	8015B NM	6285
890-1074-18	SB-14-25	Total/NA	Solid	8015B NM	6285
890-1074-19	SB-14-30	Total/NA	Solid	8015B NM	6285
890-1074-20	SB-14-35	Total/NA	Solid	8015B NM	6285
MB 880-6285/1-A	Method Blank	Total/NA	Solid	8015B NM	6285
LCS 880-6285/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6285
LCSD 880-6285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6285
890-1074-1 MS	SB-44-2	Total/NA	Solid	8015B NM	6285
890-1074-1 MSD	SB-44-2	Total/NA	Solid	8015B NM	6285

Analysis Batch: 6272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-21	SB-43-2	Total/NA	Solid	8015B NM	6286
890-1074-22	SB-43-4	Total/NA	Solid	8015B NM	6286
890-1074-23	SB-43-25	Total/NA	Solid	8015B NM	6286
890-1074-24	SB-43-35	Total/NA	Solid	8015B NM	6286
890-1074-25	SB-43-40	Total/NA	Solid	8015B NM	6286
890-1074-26	SB-43-45	Total/NA	Solid	8015B NM	6286
890-1074-27	SB-12-2	Total/NA	Solid	8015B NM	6286
890-1074-28	SB-12-4	Total/NA	Solid	8015B NM	6286
890-1074-29	SB-12-20	Total/NA	Solid	8015B NM	6286
890-1074-30	SB-12-40	Total/NA	Solid	8015B NM	6286
890-1074-31	SB-12-45	Total/NA	Solid	8015B NM	6286
890-1074-32	SB-38-2	Total/NA	Solid	8015B NM	6286
890-1074-33	SB-38-4	Total/NA	Solid	8015B NM	6286
890-1074-34	SB-38-20	Total/NA	Solid	8015B NM	6286
890-1074-35	SB-38-40	Total/NA	Solid	8015B NM	6286

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

GC Semi VOA (Continued)

Analysis Batch: 6272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-36	SB-38-60	Total/NA	Solid	8015B NM	6286
890-1074-37	SB-38-65	Total/NA	Solid	8015B NM	6286
890-1074-38	SB-37-2	Total/NA	Solid	8015B NM	6286
890-1074-39	SB-37-4	Total/NA	Solid	8015B NM	6286
890-1074-40	SB-37-30	Total/NA	Solid	8015B NM	6286
MB 880-6286/1-A	Method Blank	Total/NA	Solid	8015B NM	6286
LCS 880-6286/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6286
LCSD 880-6286/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6286
890-1074-21 MS	SB-43-2	Total/NA	Solid	8015B NM	6286
890-1074-21 MSD	SB-43-2	Total/NA	Solid	8015B NM	6286

Analysis Batch: 6274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-49	SB-34-25	Total/NA	Solid	8015B NM	6329
MB 880-6329/1-A	Method Blank	Total/NA	Solid	8015B NM	6329
LCS 880-6329/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6329
LCSD 880-6329/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6329

Analysis Batch: 6276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-41	SB-35-4	Total/NA	Solid	8015B NM	6284
890-1074-42	SB-35-25	Total/NA	Solid	8015B NM	6284
890-1074-43	SB-35-40	Total/NA	Solid	8015B NM	6284
890-1074-44	SB-35-45	Total/NA	Solid	8015B NM	6284
890-1074-45	SB-34-2	Total/NA	Solid	8015B NM	6284
890-1074-46	SB-34-6	Total/NA	Solid	8015B NM	6284
890-1074-47	SB-34-4	Total/NA	Solid	8015B NM	6284
890-1074-48	SB-34-15	Total/NA	Solid	8015B NM	6284
MB 880-6284/1-A	Method Blank	Total/NA	Solid	8015B NM	6284
LCS 880-6284/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6284
LCSD 880-6284/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6284

Prep Batch: 6284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-41	SB-35-4	Total/NA	Solid	8015NM Prep	
890-1074-42	SB-35-25	Total/NA	Solid	8015NM Prep	
890-1074-43	SB-35-40	Total/NA	Solid	8015NM Prep	
890-1074-44	SB-35-45	Total/NA	Solid	8015NM Prep	
890-1074-45	SB-34-2	Total/NA	Solid	8015NM Prep	
890-1074-46	SB-34-6	Total/NA	Solid	8015NM Prep	
890-1074-47	SB-34-4	Total/NA	Solid	8015NM Prep	
890-1074-48	SB-34-15	Total/NA	Solid	8015NM Prep	
MB 880-6284/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6284/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6284/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 6285

Lab Sample ID 890-1074-1	Client Sample ID SB-44-2	Prep Type Total/NA	Matrix Solid	Method Prep Batch 8015NM Prep
890-1074-2	SB-44-4	Total/NA	Solid	8015NM Prep
890-1074-3	SB-44-8	Total/NA	Solid	8015NM Prep

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Page 60 of 88

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

GC Semi VOA (Continued)

Prep Batch: 6285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1074-4	SB-44-25	Total/NA	Solid	8015NM Prep	
890-1074-5	SB-44-30	Total/NA	Solid	8015NM Prep	
890-1074-6	SB-15-2	Total/NA	Solid	8015NM Prep	
890-1074-7	SB-15-4	Total/NA	Solid	8015NM Prep	
890-1074-8	SB-15-6	Total/NA	Solid	8015NM Prep	
890-1074-9	SB-15-35	Total/NA	Solid	8015NM Prep	
890-1074-10	SB-15-40	Total/NA	Solid	8015NM Prep	
890-1074-11	SB-15-45	Total/NA	Solid	8015NM Prep	
890-1074-12	SB-16-2	Total/NA	Solid	8015NM Prep	
890-1074-13	SB-16-4	Total/NA	Solid	8015NM Prep	
890-1074-14	SB-16-10	Total/NA	Solid	8015NM Prep	
890-1074-15	SB-16-20	Total/NA	Solid	8015NM Prep	
890-1074-16	SB-14-2	Total/NA	Solid	8015NM Prep	
890-1074-17	SB-14-4	Total/NA	Solid	8015NM Prep	
890-1074-18	SB-14-25	Total/NA	Solid	8015NM Prep	
890-1074-19	SB-14-30	Total/NA	Solid	8015NM Prep	
890-1074-20	SB-14-35	Total/NA	Solid	8015NM Prep	
MB 880-6285/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6285/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1074-1 MS	SB-44-2	Total/NA	Solid	8015NM Prep	
890-1074-1 MSD	SB-44-2	Total/NA	Solid	8015NM Prep	

Prep Batch: 6286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-1074-21	SB-43-2	Total/NA	Solid	8015NM Prep	
890-1074-22	SB-43-4	Total/NA	Solid	8015NM Prep	
890-1074-23	SB-43-25	Total/NA	Solid	8015NM Prep	
890-1074-24	SB-43-35	Total/NA	Solid	8015NM Prep	
890-1074-25	SB-43-40	Total/NA	Solid	8015NM Prep	
890-1074-26	SB-43-45	Total/NA	Solid	8015NM Prep	
890-1074-27	SB-12-2	Total/NA	Solid	8015NM Prep	
890-1074-28	SB-12-4	Total/NA	Solid	8015NM Prep	
890-1074-29	SB-12-20	Total/NA	Solid	8015NM Prep	
890-1074-30	SB-12-40	Total/NA	Solid	8015NM Prep	
890-1074-31	SB-12-45	Total/NA	Solid	8015NM Prep	
890-1074-32	SB-38-2	Total/NA	Solid	8015NM Prep	
890-1074-33	SB-38-4	Total/NA	Solid	8015NM Prep	
890-1074-34	SB-38-20	Total/NA	Solid	8015NM Prep	
890-1074-35	SB-38-40	Total/NA	Solid	8015NM Prep	
890-1074-36	SB-38-60	Total/NA	Solid	8015NM Prep	
890-1074-37	SB-38-65	Total/NA	Solid	8015NM Prep	
890-1074-38	SB-37-2	Total/NA	Solid	8015NM Prep	
890-1074-39	SB-37-4	Total/NA	Solid	8015NM Prep	
890-1074-40	SB-37-30	Total/NA	Solid	8015NM Prep	
MB 880-6286/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6286/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6286/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1074-21 MS	SB-43-2	Total/NA	Solid	8015NM Prep	
890-1074-21 MSD	SB-43-2	Total/NA	Solid	8015NM Prep	

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

GC Semi VOA

Prep Batch: 6329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-49	SB-34-25	Total/NA	Solid	8015NM Prep	
MB 880-6329/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6329/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6329/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 6316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-11	SB-15-45	Soluble	Solid	DI Leach	_
890-1074-12	SB-16-2	Soluble	Solid	DI Leach	
890-1074-13	SB-16-4	Soluble	Solid	DI Leach	
890-1074-14	SB-16-10	Soluble	Solid	DI Leach	
890-1074-15	SB-16-20	Soluble	Solid	DI Leach	
890-1074-16	SB-14-2	Soluble	Solid	DI Leach	
MB 880-6316/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6316/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6316/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1074-11 MS	SB-15-45	Soluble	Solid	DI Leach	
890-1074-11 MSD	SB-15-45	Soluble	Solid	DI Leach	

Leach Batch: 6317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-1074-17	SB-14-4	Soluble	Solid	DI Leach	
890-1074-18	SB-14-25	Soluble	Solid	DI Leach	
890-1074-19	SB-14-30	Soluble	Solid	DI Leach	
890-1074-20	SB-14-35	Soluble	Solid	DI Leach	
890-1074-21	SB-43-2	Soluble	Solid	DI Leach	
390-1074-22	SB-43-4	Soluble	Solid	DI Leach	
390-1074-23	SB-43-25	Soluble	Solid	DI Leach	
390-1074-24	SB-43-35	Soluble	Solid	DI Leach	
390-1074-25	SB-43-40	Soluble	Solid	DI Leach	
390-1074-26	SB-43-45	Soluble	Solid	DI Leach	
390-1074-27	SB-12-2	Soluble	Solid	DI Leach	
90-1074-28	SB-12-4	Soluble	Solid	DI Leach	
90-1074-29	SB-12-20	Soluble	Solid	DI Leach	
90-1074-30	SB-12-40	Soluble	Solid	DI Leach	
90-1074-31	SB-12-45	Soluble	Solid	DI Leach	
90-1074-32	SB-38-2	Soluble	Solid	DI Leach	
90-1074-33	SB-38-4	Soluble	Solid	DI Leach	
390-1074-34	SB-38-20	Soluble	Solid	DI Leach	
390-1074-35	SB-38-40	Soluble	Solid	DI Leach	
390-1074-36	SB-38-60	Soluble	Solid	DI Leach	
MB 880-6317/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-6317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
CSD 880-6317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
390-1074-17 MS	SB-14-4	Soluble	Solid	DI Leach	
390-1074-17 MSD	SB-14-4	Soluble	Solid	DI Leach	
90-1074-27 MS	SB-12-2	Soluble	Solid	DI Leach	
390-1074-27 MSD	SB-12-2	Soluble	Solid	DI Leach	

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Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

HPLC/IC

Leach Batch: 6319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1074-37	SB-38-65	Soluble	Solid	DI Leach	
890-1074-38	SB-37-2	Soluble	Solid	DI Leach	
890-1074-39	SB-37-4	Soluble	Solid	DI Leach	
890-1074-40	SB-37-30	Soluble	Solid	DI Leach	
890-1074-41	SB-35-4	Soluble	Solid	DI Leach	
890-1074-42	SB-35-25	Soluble	Solid	DI Leach	
890-1074-43	SB-35-40	Soluble	Solid	DI Leach	
890-1074-44	SB-35-45	Soluble	Solid	DI Leach	
890-1074-45	SB-34-2	Soluble	Solid	DI Leach	
890-1074-46	SB-34-6	Soluble	Solid	DI Leach	
890-1074-47	SB-34-4	Soluble	Solid	DI Leach	
890-1074-48	SB-34-15	Soluble	Solid	DI Leach	
890-1074-49	SB-34-25	Soluble	Solid	DI Leach	
MB 880-6319/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6319/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6319/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1074-37 MS	SB-38-65	Soluble	Solid	DI Leach	
890-1074-37 MSD	SB-38-65	Soluble	Solid	DI Leach	
890-1074-47 MS	SB-34-4	Soluble	Solid	DI Leach	
890-1074-47 MSD	SB-34-4	Soluble	Solid	DI Leach	

Leach Batch: 6320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1074-1	SB-44-2	Soluble	Solid	DI Leach	_
890-1074-2	SB-44-4	Soluble	Solid	DI Leach	
890-1074-3	SB-44-8	Soluble	Solid	DI Leach	
890-1074-4	SB-44-25	Soluble	Solid	DI Leach	
890-1074-5	SB-44-30	Soluble	Solid	DI Leach	
890-1074-6	SB-15-2	Soluble	Solid	DI Leach	
890-1074-7	SB-15-4	Soluble	Solid	DI Leach	
890-1074-8	SB-15-6	Soluble	Solid	DI Leach	
890-1074-9	SB-15-35	Soluble	Solid	DI Leach	
890-1074-10	SB-15-40	Soluble	Solid	DI Leach	
MB 880-6320/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6320/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6320/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1074-5 MS	SB-44-30	Soluble	Solid	DI Leach	
890-1074-5 MSD	SB-44-30	Soluble	Solid	DI Leach	

Analysis Batch: 6391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-11	SB-15-45	Soluble	Solid	300.0	6316
890-1074-12	SB-16-2	Soluble	Solid	300.0	6316
890-1074-13	SB-16-4	Soluble	Solid	300.0	6316
890-1074-14	SB-16-10	Soluble	Solid	300.0	6316
890-1074-15	SB-16-20	Soluble	Solid	300.0	6316
890-1074-16	SB-14-2	Soluble	Solid	300.0	6316
MB 880-6316/1-A	Method Blank	Soluble	Solid	300.0	6316
LCS 880-6316/2-A	Lab Control Sample	Soluble	Solid	300.0	6316
LCSD 880-6316/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6316
890-1074-11 MS	SB-15-45	Soluble	Solid	300.0	6316

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 6391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-11 MSD	SB-15-45	Soluble	Solid	300.0	6316

Analysis Batch: 6392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-17	SB-14-4	Soluble	Solid	300.0	6317
890-1074-18	SB-14-25	Soluble	Solid	300.0	6317
890-1074-19	SB-14-30	Soluble	Solid	300.0	6317
890-1074-20	SB-14-35	Soluble	Solid	300.0	6317
890-1074-21	SB-43-2	Soluble	Solid	300.0	6317
890-1074-22	SB-43-4	Soluble	Solid	300.0	6317
890-1074-23	SB-43-25	Soluble	Solid	300.0	6317
890-1074-24	SB-43-35	Soluble	Solid	300.0	6317
890-1074-25	SB-43-40	Soluble	Solid	300.0	6317
890-1074-26	SB-43-45	Soluble	Solid	300.0	6317
890-1074-27	SB-12-2	Soluble	Solid	300.0	6317
890-1074-28	SB-12-4	Soluble	Solid	300.0	6317
890-1074-29	SB-12-20	Soluble	Solid	300.0	6317
890-1074-30	SB-12-40	Soluble	Solid	300.0	6317
890-1074-31	SB-12-45	Soluble	Solid	300.0	6317
890-1074-32	SB-38-2	Soluble	Solid	300.0	6317
890-1074-33	SB-38-4	Soluble	Solid	300.0	6317
890-1074-34	SB-38-20	Soluble	Solid	300.0	6317
890-1074-35	SB-38-40	Soluble	Solid	300.0	6317
890-1074-36	SB-38-60	Soluble	Solid	300.0	6317
MB 880-6317/1-A	Method Blank	Soluble	Solid	300.0	6317
LCS 880-6317/2-A	Lab Control Sample	Soluble	Solid	300.0	6317
LCSD 880-6317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6317
890-1074-17 MS	SB-14-4	Soluble	Solid	300.0	6317
890-1074-17 MSD	SB-14-4	Soluble	Solid	300.0	6317
890-1074-27 MS	SB-12-2	Soluble	Solid	300.0	6317
890-1074-27 MSD	SB-12-2	Soluble	Solid	300.0	6317

Analysis Batch: 6396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-37	SB-38-65	Soluble	Solid	300.0	6319
890-1074-38	SB-37-2	Soluble	Solid	300.0	6319
890-1074-39	SB-37-4	Soluble	Solid	300.0	6319
890-1074-40	SB-37-30	Soluble	Solid	300.0	6319
890-1074-41	SB-35-4	Soluble	Solid	300.0	6319
890-1074-42	SB-35-25	Soluble	Solid	300.0	6319
890-1074-43	SB-35-40	Soluble	Solid	300.0	6319
890-1074-44	SB-35-45	Soluble	Solid	300.0	6319
890-1074-45	SB-34-2	Soluble	Solid	300.0	6319
890-1074-46	SB-34-6	Soluble	Solid	300.0	6319
890-1074-47	SB-34-4	Soluble	Solid	300.0	6319
890-1074-48	SB-34-15	Soluble	Solid	300.0	6319
890-1074-49	SB-34-25	Soluble	Solid	300.0	6319
MB 880-6319/1-A	Method Blank	Soluble	Solid	300.0	6319
LCS 880-6319/2-A	Lab Control Sample	Soluble	Solid	300.0	6319
LCSD 880-6319/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6319
890-1074-37 MS	SB-38-65	Soluble	Solid	300.0	6319

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 6396 (Continued)

Released to Imaging: 5/2/2022 3:37:29 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-37 MSD	SB-38-65	Soluble	Solid	300.0	6319
890-1074-47 MS	SB-34-4	Soluble	Solid	300.0	6319
890-1074-47 MSD	SB-34-4	Soluble	Solid	300.0	6319

Analysis Batch: 6399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1074-1	SB-44-2	Soluble	Solid	300.0	6320
890-1074-2	SB-44-4	Soluble	Solid	300.0	6320
890-1074-3	SB-44-8	Soluble	Solid	300.0	6320
890-1074-4	SB-44-25	Soluble	Solid	300.0	6320
890-1074-5	SB-44-30	Soluble	Solid	300.0	6320
890-1074-6	SB-15-2	Soluble	Solid	300.0	6320
890-1074-7	SB-15-4	Soluble	Solid	300.0	6320
890-1074-8	SB-15-6	Soluble	Solid	300.0	6320
890-1074-9	SB-15-35	Soluble	Solid	300.0	6320
890-1074-10	SB-15-40	Soluble	Solid	300.0	6320
MB 880-6320/1-A	Method Blank	Soluble	Solid	300.0	6320
LCS 880-6320/2-A	Lab Control Sample	Soluble	Solid	300.0	6320
LCSD 880-6320/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6320
890-1074-5 MS	SB-44-30	Soluble	Solid	300.0	6320
890-1074-5 MSD	SB-44-30	Soluble	Solid	300.0	6320

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Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-44-2

Lab Sample ID: 890-1074-1

Date Collected: 08/06/21 09:00 Date Received: 08/09/21 12:05 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 16:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 12:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 02:07	CH	XEN MID

Lab Sample ID: 890-1074-2

Date Collected: 08/06/21 09:05 Date Received: 08/09/21 12:05

Client Sample ID: SB-44-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 18:17	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 13:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 02:13	CH	XEN MID

Lab Sample ID: 890-1074-3

Matrix: Solid

Client Sample ID: SB-44-8 Date Collected: 08/06/21 09:15 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 18:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 13:45	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		5			6399	08/12/21 02:18	CH	XEN MID

Client Sample ID: SB-44-25 Lab Sample ID: 890-1074-4 Date Collected: 08/06/21 09:40 **Matrix: Solid**

Date Received: 08/09/21 12:05

Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 18:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 14:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 02:24	CH	XEN MID

Client: GHD Services Inc. Job ID: 890-1074-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-44-30

Date Collected: 08/06/21 09:45 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 19:18	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 02:30	CH	XEN MID

Client Sample ID: SB-15-2

Date Collected: 08/06/21 09:55 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-6

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 19:38	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 14:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 02:46	CH	XEN MID

Client Sample ID: SB-15-4

Date Collected: 08/06/21 10:00

Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-7

Matrix: Solid

Batch	Batch	Batch		Dil	Dil Initial Final Batch Prepared					
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 19:59	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6320	08/10/21 11:43	СН	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 02:52	CH	XEN MID

Client Sample ID: SB-15-6

Date Collected: 08/06/21 10:20 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-8

Matrix: Solid

Batch		Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	5035			5.01 g	5 mL	6282	08/10/21 08:51	MR	XEN MID	
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 20:19	MR	XEN MID	
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6285	08/10/21 09:08	DM	XEN MID	
Total/NA	Analysis	8015B NM		1			6270	08/10/21 15:32	AJ	XEN MID	
Soluble	Leach	DI Leach			5.05 g	50 mL	6320	08/10/21 11:43	CH	XEN MID	
Soluble	Analysis	300.0		10			6399	08/12/21 03:09	CH	XEN MID	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Matrix: Solid

Date Collected: 08/06/21 11:20 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 20:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 03:14	CH	XEN MID

Client Sample ID: SB-15-40

Date Collected: 08/06/21 11:30

Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-10
Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 21:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 16:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 03:20	CH	XEN MID

Client Sample ID: SB-15-45

Date Collected: 08/06/21 11:50

Date Received: 08/09/21 12:05

Lab Sample	ID: 890-1074-11
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Matrix: Solid

Ва	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6282	08/10/21 08:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/10/21 21:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 17:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6316	08/10/21 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			6391	08/11/21 10:30	CH	XEN MID

Soluble	Analysis	300.0	1	6391	08/11/21 10:30 CH	XEN MID
Client Samp	ole ID: SB-16-2				Lab Sample ID:	890-1074-12
Date Collected	d: 08/06/21 12:05					Matrix: Solid
Date Received	d: 08/09/21 12:05					

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 00:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 17:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6316	08/10/21 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			6391	08/11/21 10:47	CH	XEN MID

Job ID: 890-1074-1 SDG: 11220747

Project/Site: Flamenco #1

Lab Sample ID: 890-1074-13

Matrix: Solid

Client Sample ID: SB-16-4

Date Collected: 08/06/21 12:10 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 01:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6316	08/10/21 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			6391	08/11/21 10:53	CH	XEN MID

Client Sample ID: SB-16-10

Date Collected: 08/06/21 13:45 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 01:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6316	08/10/21 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			6391	08/11/21 10:58	CH	XEN MID

Client Sample ID: SB-16-20

Date Collected: 08/06/21 14:00

Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-15

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 01:59	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6316	08/10/21 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			6391	08/11/21 11:04	CH	XEN MID

Client Sample ID: SB-14-2

Date Collected: 08/06/21 14:05

Date Received: 08/09/21 12:05

Lab Sample ID:	890-1074-16
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 02:20	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6316	08/10/21 11:34	CH	XEN MID
Soluble	Analysis	300.0		1			6391	08/11/21 11:21	CH	XEN MID

Client: GHD Services Inc.

Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-14-4

Date Collected: 08/06/21 14:20 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 02:40	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 12:05	CH	XEN MID

Client Sample ID: SB-14-25

Date Collected: 08/06/21 14:50 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-18

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 03:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 19:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		5			6392	08/11/21 12:22	CH	XEN MID

Client Sample ID: SB-14-30

Date Collected: 08/06/21 14:55 Date Received: 08/09/21 12:05 Lab Sample ID: 890-1074-19

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 03:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 12:27	CH	XEN MID

Client Sample ID: SB-14-35

Date Collected: 08/06/21 15:00

Date Received: 08/09/21 12:05

Lab Sample	ID: 890-1074-20
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 03:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6285	08/10/21 09:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6270	08/10/21 20:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 12:33	CH	XEN MID

Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-43-2

Client: GHD Services Inc.

Project/Site: Flamenco #1

Lab Sample ID: 890-1074-21

Matrix: Solid

Date Collected: 08/06/21 15:15 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 04:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 12:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		10			6392	08/11/21 12:38	CH	XEN MID

Lab Sample ID: 890-1074-22

Matrix: Solid

Date Collected: 08/06/21 15:20 Date Received: 08/09/21 12:05

Client Sample ID: SB-43-4

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.98 g 5 mL 6318 08/10/21 11:38 MR XEN MID Total/NA 8021B XEN MID Analysis 5 mL 5 mL 6279 08/11/21 05:51 MR 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 08/10/21 09:09 DM XEN MID 6286 Total/NA 8015B NM 08/10/21 13:23 XEN MID Analysis 6272 ΑJ Soluble 6317 08/10/21 11:36 XEN MID Leach DI Leach 5.02 g 50 mL СН Soluble Analysis 300.0 10 6392 08/11/21 12:55 CH XEN MID

Client Sample ID: SB-43-25 Lab Sample ID: 890-1074-23

Matrix: Solid

Date Collected: 08/06/21 15:50 Date Received: 08/09/21 12:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 06:12	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 13:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		5			6392	08/12/21 11:02	CH	XEN MID

Client Sample ID: SB-43-35

Date Collected: 08/07/21 09:20

Lab Sample ID: 890-1074-24

Matrix: Solid

Date Collected: 08/07/21 09:20
Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6336	08/11/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6356	08/11/21 22:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 14:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		5			6392	08/11/21 13:05	CH	XEN MID

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1074-1

SDG: 11220747

Client Sample ID: SB-43-40

Date Collected: 08/07/21 09:30 Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-25

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 06:52	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 13:11	CH	XEN MID

Lab Sample ID: 890-1074-26

Date Collected: 08/07/21 10:30 Date Received: 08/09/21 12:05

Client Sample ID: SB-43-45

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.00 g 5 mL 6318 08/10/21 11:38 MR XEN MID Total/NA 8021B XEN MID Analysis 5 mL 5 mL 6279 08/11/21 07:13 MR 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 08/10/21 09:09 DM XEN MID 6286 Total/NA 8015B NM XEN MID Analysis 6272 08/10/21 14:49 ΑJ Soluble 6317 08/10/21 11:36 XEN MID Leach DI Leach 5.04 g 50 mL СН Soluble Analysis 300.0 1 6392 08/11/21 13:16 CH XEN MID

Client Sample ID: SB-12-2 Lab Sample ID: 890-1074-27

Matrix: Solid

Date Collected: 08/07/21 10:40 Date Received: 08/09/21 12:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 07:33	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 15:11	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 13:22	CH	XEN MID

Client Sample ID: SB-12-4 Lab Sample ID: 890-1074-28 Date Collected: 08/07/21 10:45

Date Received: 08/09/21 12:05

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 07:54	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 15:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		10			6392	08/11/21 13:38	CH	XEN MID

Job ID: 890-1074-1

SDG: 11220747

Client Sample ID: SB-12-20

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/07/21 11:20 Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-29

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 08:14	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		5			6392	08/11/21 13:44	CH	XEN MID

Lab Sample ID: 890-1074-30

Matrix: Solid

Date Collected: 08/07/21 12:00 Date Received: 08/09/21 12:05

Client Sample ID: SB-12-40

Analyst Lab MR XEN MID XEN MID MR

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Total/NA Prep 5035 4.99 g 5 mL 6318 08/10/21 11:38 Total/NA 8021B Analysis 5 mL 5 mL 6279 08/11/21 08:58 1 Total/NA Prep 8015NM Prep 10.04 g 10 mL 08/10/21 09:09 DM XEN MID 6286 Total/NA 8015B NM XEN MID Analysis 6272 08/10/21 16:16 ΑJ Soluble 6317 08/10/21 11:36 XEN MID Leach DI Leach 5.05 g 50 mL СН 08/11/21 14:00 Soluble Analysis 300.0 1 6392 CH XEN MID

Client Sample ID: SB-12-45 Lab Sample ID: 890-1074-31

Matrix: Solid

Date Collected: 08/07/21 12:00 Date Received: 08/09/21 12:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6318	08/10/21 11:38	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6279	08/11/21 09:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 17:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 14:06	CH	XEN MID

Client Sample ID: SB-38-2 Lab Sample ID: 890-1074-32 Date Collected: 08/07/21 13:15 Matrix: Solid

Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 15:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 17:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 14:11	CH	XEN MID

Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-38-4

Lab Sample ID: 890-1074-33

Matrix: Solid

Date Collected: 08/07/21 13:20 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 15:26	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 14:17	CH	XEN MID

Lab Sample ID: 890-1074-34

Date Collected: 08/07/21 14:05 Date Received: 08/09/21 12:05

Client Sample ID: SB-38-20

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 6287 08/10/21 09:18 KL XEN MID Total/NA 8021B XEN MID Analysis 5 mL 5 mL 6292 08/10/21 15:46 KL 1 Total/NA Prep 8015NM Prep 10.03 g 10 mL 6286 08/10/21 09:09 DM XEN MID Total/NA 8015B NM XEN MID Analysis 6272 08/10/21 18:06 AJ Soluble 6317 08/10/21 11:36 XEN MID Leach DI Leach 5.05 g 50 mL СН Soluble Analysis 300.0 5 6392 08/11/21 14:22 CH XEN MID

Client Sample ID: SB-38-40 Lab Sample ID: 890-1074-35

Matrix: Solid

Date Collected: 08/07/21 14:25 Date Received: 08/09/21 12:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 16:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6317	08/10/21 11:36	СН	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 14:28	CH	XEN MID

Client Sample ID: SB-38-60 Lab Sample ID: 890-1074-36

Date Collected: 08/07/21 15:30 Matrix: Solid Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 16:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6317	08/10/21 11:36	CH	XEN MID
Soluble	Analysis	300.0		1			6392	08/11/21 14:33	CH	XEN MID

Lab Sample ID: 890-1074-37

Matrix: Solid

Client Sample ID: SB-38-65

Date Collected: 08/07/21 15:50 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 17:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 18:44	CH	XEN MID

Client Sample ID: SB-37-2 Date Collected: 08/07/21 16:10

Date Received: 08/09/21 12:05

Lab Sample ID: 890-1074-38

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 18:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 19:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:01	CH	XEN MID

Client Sample ID: SB-37-4

Date Collected: 08/07/21 16:25

Date Received: 08/09/21 12:05

Lab Sample II	D: 890-1074-39	
	Matrix: Solid	

Lab Sample ID: 890-1074-40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 18:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6319	08/10/21 11:38	СН	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:07	CH	XEN MID

Client Sample ID: SB-37-30

Date Collected: 08/07/21 17:10

Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 18:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6286	08/10/21 09:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6272	08/10/21 20:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:12	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Job ID: 890-1074-1

SDG: 11220747

Project/Site: Flamenco #1 Client Sample ID: SB-35-4

Client: GHD Services Inc.

Lab Sample ID: 890-1074-41

Matrix: Solid

Date Collected: 08/08/21 12:25 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 19:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 17:01	AJ	XEN MID

1

5.01 g

50 mL

6319

6396

Lab Sample ID: 890-1074-42

СН

СН

08/10/21 11:38

08/11/21 19:18

Matrix: Solid

XEN MID

XEN MID

Client Sample ID: SB-35-25 Date Collected: 08/08/21 13:40 Date Received: 08/09/21 12:05

Leach

Analysis

DI Leach

300.0

Soluble

Soluble

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.00 g 5 mL 6287 08/10/21 09:18 KL XEN MID Total/NA 8021B XEN MID 5 mL 5 mL 6292 08/10/21 19:32 KL Analysis 1 Total/NA Prep 8015NM Prep 10.03 g 10 mL 08/10/21 09:07 DM XEN MID 6284 Total/NA 8015B NM XEN MID Analysis 6276 08/10/21 17:23 AJ Soluble Leach DI Leach 5.01 g 50 mL 6319 08/10/21 11:38 СН XEN MID Soluble Analysis 300.0 1 6396 08/11/21 19:35 CH XEN MID

Client Sample ID: SB-35-40 Lab Sample ID: 890-1074-43

Matrix: Solid

Date Collected: 08/08/21 16:05 Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 19:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 17:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:40	CH	XEN MID

Client Sample ID: SB-35-45 Lab Sample ID: 890-1074-44 Date Collected: 08/08/21 16:20 Matrix: Solid

Date Received: 08/09/21 12:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 20:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 18:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:46	CH	XEN MID

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1074-1 SDG: 11220747

Client Sample ID: SB-34-2

Lab Sample ID: 890-1074-45

Date Collected: 08/08/21 16:30 Date Received: 08/09/21 12:05 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 20:33	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 18:28	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	6319	08/10/21 11:38	СН	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:51	CH	XEN MID

Lab Sample ID: 890-1074-46

Date Collected: 08/08/21 16:50 Date Received: 08/09/21 12:05

Client Sample ID: SB-34-6

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6287	08/10/21 09:18	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/10/21 20:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 18:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 19:57	CH	XEN MID

Lab Sample ID: 890-1074-47 Client Sample ID: SB-34-4

Matrix: Solid

Date Collected: 08/08/21 16:55 Date Received: 08/09/21 12:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 00:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 19:14	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 20:03	CH	XEN MID

Client Sample ID: SB-34-15 Lab Sample ID: 890-1074-48 Date Collected: 08/08/21 17:05

Date Received: 08/09/21 12:05

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 00:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6284	08/10/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 19:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 20:19	CH	XEN MID

Lab Chronicle

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Client Sample ID: SB-34-25

Date Collected: 08/08/21 17:15

Lab Sample ID: 890-1074-49

Matrix: Solid

Date Received: 08/09/21 12:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 00:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6329	08/10/21 14:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6274	08/11/21 02:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 20:25	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

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Accreditation/Certification Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1074-1

SDG: 11220747

Laboratory: Eurofins Xenco, Midland

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-20-21	06-30-22
The following analytes the agency does not of		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
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Method Summary

Client: GHD Services Inc.
Project/Site: Flamenco #1

Job ID: 890-1074-1 SDG: 11220747

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

Laboratory References:

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

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Sample Summary

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1074-1 SDG: 11220747

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1074-1	SB-44-2	Solid	08/06/21 09:00	08/09/21 12:05
00-1074-2	SB-44-4	Solid	08/06/21 09:05	08/09/21 12:05
90-1074-3	SB-44-8	Solid	08/06/21 09:15	08/09/21 12:05
90-1074-4	SB-44-25	Solid	08/06/21 09:40	08/09/21 12:05
390-1074-5	SB-44-30	Solid	08/06/21 09:45	08/09/21 12:05
90-1074-6	SB-15-2	Solid	08/06/21 09:55	08/09/21 12:05
90-1074-7	SB-15-4	Solid	08/06/21 10:00	08/09/21 12:05
90-1074-8	SB-15-6	Solid	08/06/21 10:20	08/09/21 12:05
90-1074-9	SB-15-35	Solid	08/06/21 11:20	08/09/21 12:05
90-1074-10	SB-15-40	Solid	08/06/21 11:30	08/09/21 12:05
90-1074-11	SB-15-45	Solid	08/06/21 11:50	08/09/21 12:05
90-1074-12	SB-16-2	Solid	08/06/21 12:05	08/09/21 12:05
90-1074-12	SB-16-4	Solid	08/06/21 12:10	08/09/21 12:05
90-1074-13	SB-16-10	Solid	08/06/21 13:45	08/09/21 12:05
90-1074-14	SB-16-20	Solid	08/06/21 13:45	08/09/21 12:05
				08/09/21 12:05
90-1074-16 90-1074-17	SB-14-2	Solid	08/06/21 14:05	
	SB-14-4	Solid	08/06/21 14:20	08/09/21 12:05
90-1074-18	SB-14-25	Solid	08/06/21 14:50	08/09/21 12:05
90-1074-19	SB-14-30	Solid	08/06/21 14:55	08/09/21 12:05
90-1074-20	SB-14-35	Solid	08/06/21 15:00	08/09/21 12:05
0-1074-21	SB-43-2	Solid	08/06/21 15:15	08/09/21 12:05
0-1074-22	SB-43-4	Solid	08/06/21 15:20	08/09/21 12:05
00-1074-23	SB-43-25	Solid	08/06/21 15:50	08/09/21 12:05
0-1074-24	SB-43-35	Solid	08/07/21 09:20	08/09/21 12:05
0-1074-25	SB-43-40	Solid	08/07/21 09:30	08/09/21 12:05
0-1074-26	SB-43-45	Solid	08/07/21 10:30	08/09/21 12:05
0-1074-27	SB-12-2	Solid	08/07/21 10:40	08/09/21 12:05
0-1074-28	SB-12-4	Solid	08/07/21 10:45	08/09/21 12:05
0-1074-29	SB-12-20	Solid	08/07/21 11:20	08/09/21 12:05
0-1074-30	SB-12-40	Solid	08/07/21 12:00	08/09/21 12:05
90-1074-31	SB-12-45	Solid	08/07/21 12:00	08/09/21 12:05
90-1074-32	SB-38-2	Solid	08/07/21 13:15	08/09/21 12:05
90-1074-33	SB-38-4	Solid	08/07/21 13:20	08/09/21 12:05
00-1074-34	SB-38-20	Solid	08/07/21 14:05	08/09/21 12:05
90-1074-35	SB-38-40	Solid	08/07/21 14:25	08/09/21 12:05
90-1074-36	SB-38-60	Solid	08/07/21 15:30	08/09/21 12:05
00-1074-37	SB-38-65	Solid	08/07/21 15:50	08/09/21 12:05
90-1074-38	SB-37-2	Solid	08/07/21 16:10	08/09/21 12:05
90-1074-39	SB-37-4	Solid	08/07/21 16:25	08/09/21 12:05
90-1074-40	SB-37-30	Solid	08/07/21 17:10	08/09/21 12:05
90-1074-41	SB-35-4	Solid	08/08/21 12:25	08/09/21 12:05
90-1074-42	SB-35-25	Solid	08/08/21 13:40	08/09/21 12:05
90-1074-43	SB-35-40	Solid	08/08/21 16:05	08/09/21 12:05
90-1074-44	SB-35-45	Solid	08/08/21 16:20	08/09/21 12:05
90-1074-45	SB-34-2	Solid	08/08/21 16:30	08/09/21 12:05
90-1074-46	SB-34-6	Solid	08/08/21 16:50	08/09/21 12:05
	SB-34-4	Solid	08/08/21 16:55	08/09/21 12:05
0-1074-47				
10-1074-47 10-1074-48	SB-34-15	Solid	08/08/21 17:05	08/09/21 12:05

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			Xenco	Environment lesting	pro-	
		Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Houston, TX (281) 240-4200. Dallas, TX (214) 902-0300	Cildill of Custony
	CWWW			Work		

• eurotins	1S Environment Testing Xenco		Houston, TX (281) 240-4200. Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 FI Paso TX (915) 585-3443 Lubbook, TX (806) 794-1296	Work Order No:
	No.	Hobbs,	EL Paso, 1A (915) 392-7550, Carlsbad, NM (575) 988-3199 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com Page / of S
Project Manager: 73	cha bashell	Bill to: (if different)	James Kunnelles	Work Order Comments
	GUD	Company Name:	ĺ	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
		Address:		
City, State ZIP:		City, State ZIP:		
	432 252 7917	Email:		Deliverables: EDD
Project Name:		Turn Around	ANALYSIS REQUEST	Preservati
Project Number:		Routine Rosh	Code	None: NO DI Water: H ₂ O
Project Location:		Due Date: 3-Daw	20 [<u>u</u>
Sampler's Name:		TAT starts the day received by	616	
PO#:		the lab, if received by 4:30pm	0	H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: Zes No	Wet Ice: es No	30 L/	H ₃ PO ₄ : HP
Samples Received Intact:	Yes No Thermometer ID:	ID: TENMOO	02	NaHVC4: NABG
Cooler Custody Seals:	8		le 8	ain of Custody
Total Containers:	Yes No N/A Temperature Reading: Corrected Temperature:	mperature:		NaOH+Ascorbic Acid: SAPC
Sample Identification	tion Matrix Sampled	Time Depth Comp	cont CH BE	Sample Comments
12-44-85	5 8.6.21	0900		
50-44-41		0905		
83-44-8		0918		
63.44-25		opup		
53-44-30		0945		
58-15-2,		0965		
53.15-4		1000		
53-15-6		1020		
53-15.35		no		
Sis-15-40'	7-	1130	4 4 4 4	
Total 200.7 / 6010		8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe P	Mg Mn Mo Ni K Se
Circle Method(s) and Metal(s) to be analyzed	etal(s) to be analyzed	TCLP / SPLP 6010: BRC	TCLP/SPLP 6010: BRCKA SD AS BA BE CO CT CO CU PD MIT WO	
dotice: Signature of this docum of service. Eurofins Xenco will of Eurofins Xenco. A minimum	ent and relinquishment of samples const be liable only for the cost of samples and charge of \$85.00 will be applied to each r	itutes a valid purchase order from shall not assume any responsibilit roject and a charge of \$5 for each	Notice: Signature of this documant and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	tors. It assigns standard terms and conditions are due to circumstances beyond the control terms will be enforced unless previously negotiated.
Relinquished by: (Signature)	(Signature) Received	Received by: (Signature)	Date/Time Relinquished by: (Signature)	nature) Received by: (Signature) Date/Time
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cie Method(s) Total 200.7 / 1-11-29

18-14-21

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58-14-30

Chain of Custody

	Environment Testing	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland TX (432) 704-5440, San Antonio, TX (210) 509-3334	as, TX (214) 902-0300 tonio TX (210) 509-3334	Work Order No:
	Xenco	FI Paro TX (915) 585-3443 Lubbock TX (806) 794-1296	ock. TX (806) 794-1296	
		Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	ad, NM (575) 988-3199	No of the second
		Rill to: (if different)		Work Order Comments
		Company Name:	Prog	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
		Address:	Stat	1
		City, State ZIP:	Rep	Reporting: Level II Level III PST/UST TRRP Level IV
	Email:		Deliv	Deliverables: EDD ☐ ADaPT ☐ Other:
	Tur	Turn Around	ANALYSIS REQUEST	3T Preservative Codes
	□Routine	Pres.		None: NO DI Water: H ₂ O
	Due Date:			Cool: Cool MeOH: Me
	TAT starts t	TAT starts the day received by		
	the lab, if re	rs 2		H ₂ SO ₄ : H ₂ NaOH: Na
EIPT Tem	Temp Blank: Yes No Wet Ice:	CC		H₃PO₄: HP
	Thermorden	aram 30		NaHSO ₄ : NABIS
als: Yes	No N/A Correction Factor:	600		Na ₂ S ₂ O ₃ : NaSO ₃
eals: Yes	N/A	8		Zn Acetate+NaOH: Zn
	Corrected Temperature:	CX		NaOH+Ascorbic Acid: SAPC
entification	Matrix Sampled Sampled	Depth Grab/ # of Comp Cont BT		Sample Comments
	5 8.6-21 1150	6 1 1		
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	1450			
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and Metal(s) t	and Metal(s) to be analyzed TCLP / S	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	d Cr Co Cu Pb Mn Mo Ni S	se Ag TI U Hg: 1631/245.1/7470/7471
document and re	linquishment of samples constitutes a valid	s document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions not will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control and the co	nco, its affiliates and subcontractors. It ass ncurred by the client if such losses are due	signs standard terms and conditions to circumstances beyond the continued to continue services to the continued to the contin
			Delinquished by: (Signature)	Received by: (Signature) Date/Time
by: (Statione)) Received by: (Signature)	ature) /Date/Time	Relinquished by: (Signature)	Received by (oignature)

SAMPLE REC

Cooler Custody Se Samples Received

otal Containers: sample Custody &

Sample id

Sampler's Name:

Project Location: Project Number: Project Name: Phone: City, State ZIP: Address: Company Name: Project Manager:

Revised Date: 08/25/2020 Rev. 2020 2

11:60

Revised Date 08/25/2020 Rev 2020 2

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Xenco

Environment Testing

City, State ZIP:

Address:

Project Manager:

Bill to: (if different)

Address: Company Name:

Company Name:

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

www.xenco.com Page 3 of 5	
ò	
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II 🗌 Level III 🗎 PST/UST 🔲 TRRP 📋 Level IV 🔲	

Project Nume	City State 7IP:				City State ZIP					Tepo	illig. Level II Li Lovoi	Reporting, Level [Level [] To noon [] This is	
Number	Phone:									Deliv	erables: EDD		
Jone: NO Jone: NO Jone: Cool Jone: NO Jone: Cool Jone: HC Jone: H2	Project Name:			Turn	Around					ANALYSIS REQUEST		Preservati	ve Codes
Project Location: Due Date: Due Date: Due Date: Due Date: Due Date: Due Date: Due Date: Due Date: Due Date: Du	Project Number:			Routine	Rush	Pres.						None: NO	DI Water: H ₂ O
Sample (Name)	Project Location:			Due Date:				40	W			Cool: Cool	MeOH: Me
Sample Received Inact: Yes No. Hagmonisted Ves No. Transpeadure Reading: Ves No. Transpeadure Reading: Ves No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. Transpeadure Reading: Ves No. No. No. Transpeadure Reading: Ves No. No. No. Transpeadure Reading: Ves No. No. No. Transpeadure Reading: Ves No. No. No. Transpeadure Reading: Ves No. No. No. No. No. No. No. No. No. No.	Sampler's Name:			TAT starts the	day received by				,D			HCL: HC	HNO ₃ : HN
Samples Received Infract: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Custody Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes No Null Temperatures Reading: Cooler Seale: Yes Null Temperatures	PO#:			the lab, if rece	eived by 4:30pm	rs	0		N			H ₂ S0 ₄ : H ₂	NaOH: Na
Samples Received Intact:	SAMPLE RECEIPT	Temp Blank:		West toda:		nete	36		0,6			H₃PO₄: HP	
Cooler Custorly Seals: Yes No. NA. Temperature Reading. Page 1. Time of the Control of Sample developed Sample	Samples Received Intact:	Yes No	Thermome		157:	aran	- 3	_	112			NaHSO₄: NABIS	
Sample Containers. Ves. No. NIA Temperature Reading. Doct. Total Containers. Ves. No. NIA Temperature Reading. Doct. Sample Identification		No No		Fastor.	101	Pa	li	2				Na ₂ S ₂ O ₃ : NaSO ₃	
Containers Corrected Temperature. Correc		No	Temperatu		0.0		il	60	15			Zn Acetate+NaOi	H: Zn
e)	Total Containers:		Corrected :	יאין	90		u	<u> </u>	60			NaOH+Ascorbic	Acid: SAPC
a Sr TI Sn L 45.1/7470/	Sample Identification			Time Sampled		# of	Chl	BE	TPH			Sample Co	omments
a Sr Tl Sn L 245.1 / 7470 /	58-43-2'	5	11.98°	1515	æ	>	-		H				
a Sr Tl Sn L 245.1 / 7470 /	53.43.41		1	1570	_				_				
a Sr TI Sn L 45.1/7470/	53-43-25		7	1550									
a Sr II Sn L 45.1/7470/	53-43-35		2-7-2				_						
a Sr II Sn L 145.1 / 7470 /	53-43-40		-	CANO.			_						
a Sr Tl Sn L 245.1 / 7470 /	53-43-45			1030				_					
a Sr TI Sn L 45.1/7470/	33-18-21			anor									
a Sr II Sn L 45.1/7470/	58-12-4			Shoi			_						
a Sr Tl Sn L 245.1/7470/	59-12-201		-	(120									
a Sr II Sn L 45.1 / 7470 /	512-40'	<	Ý	1200	•	*	2	4	<				
245.1 / 7470 / e)		00.8 / 6020:	8	- 11	15		b As	ва ве	В	Ca Cr Co Cu Fe Pb	Mo Ni K Se	SiO ₂ Na Sr Tl Sn U	V Zn
е)	Circle Method(s) and Metal	l(s) to be anal	yzed	TCLP / SP	LP 6010: 8R	CRA	Sb As	ВаЕ	3e Cd	Cr Co Cu Pb Mn Mo Ni Se		g: 1631 / 245.1 / 7470 /	7471
e)	Notice: Signature of this document a	and relinquishment	t of samples con	nstitutes a valid pu	urchase order from	n client c	ompany i	o Eurofi	ins Xend), its affiliates and subcontractors. It assigned by the client if such losses are due t	gns standard terms and co to circumstances beyond th	nditions le control	
Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)	of Eurofins Xenco. A minimum char	ge of \$85.00 will be	B applied to eac	h project and a ch	harge of \$5 for each	h sample	submitt	d to Eu	rofins X	nco, but not analyzed. These terms will be	enforced unless previous	y negotiated.	
	Relingaished by (Signa			ed by: (Signa:	ture)		Pate/	ime		Relinquished by: (Signature)	Received by:)ate/Time

rcle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

B-37-4

eurofins

Environment Testing

Xenco

121314

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

Deliv	Rep	Stat	Prog		, Carlsbad, NM (575) 988-3199
Deliverables: EDD	Reporting: Level II	State of Project:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	Work Order Comments	www.xenco.com Page 4 of 6

		6			5
		4	(3 7 /
		P	8/0/21 11:00		
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)
	nforced unless previously negotiated.	s Xenco, but not analyzed. These terms will be en	h sample submitted to Eurofins	of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	of Eurofins Xenco. A minimum charge of \$85.00 wil

otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Tl Sn

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO₄: NABIS

Sample Comments

SAMPLE RECEIPT

Sampler's Name:

Project Location:

Project Number

Routine

Rush

Pres.

Turn Around

ANALYSIS REQUEST

None: NO

DI Water: H₂O

Preservative Codes

H₃PO₄: HP H₂S0₄: H₂ HCL: HC Cool: Cool

HNO3: HN МеОН: Ме

NaOH: Na

Email:

Address: Company Name: Bill to: (if different)

City, State ZIP:

Due Date:

roject Name:

Project Manager:

Address: Company Name:

ity, State ZIP:

Cooler Custody Seals: Samples Received Intact:

Sample Custody Seals

Yes

N_o

N

Temperature Reading Correction Factor Thermometer 107

Corrected Temperature:

Ύes L Kes Temp Blank:

No

Yes No

Wet Ice:

Yes

N O

Parameters

300

TAT starts the day received by the lab, if received by 4:30pm

MAD BRO GRD

Total Containers:

22-38-26

13-38-40 3-38-60

3-38-65 37.01

280

919

97 625 1530

ひあた

1400

513-38-4

53.30.2

B-12-1840

Sample Identification

Matrix

Date

Time

Depth

Grab/

BTEX 8021

TPH 8015

Comp Cont

G

Sampled

27-72 Sampled

ころう 1260

1320

Hg: 1631 / 245.1 / 7470 / 7471

tice: Signature of this d

Received by: (Signature)

Revised Date 08/25/2020 Rev. 2020.2

rcle Method(s) an

Total 200.7 / 60

Address:

City, State ZIP:

Company Name: Project Manager:

SAMPLE RECEI

Cooler Custody Seal

ample Custody Sea

Total Containers:

Sample Iden

58-34-2

8-35-45

13-34-6

58-34-4

Sampler's Name:

roject Location:

Project Number:

Project Name:

Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	ETIVITOTITIENT TESTING Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	EUFOTINS Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Chain of Custody
Lubback, TX (806) 794-1296	an Antonio, TX (210) 509-3334	Dallas, TX (214) 902-0300	Custody

CHARCHEL TOSHING	Midland, 1	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
Xenco	EL Pasc Hobbs, I	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.yearco.com Page 5 of 5
	Bill to: (if different)		ğ
	Company Name:		Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	Address:		State of Project:
	City, State ZIP:		Reporting: Level III Level III PST/UST TRRP Level IV
Email:			Deliverables: EDD ADaPT Other:
Tu	Turn Around	ANALYSIS REQUEST	QUEST Preservative Codes
Routine	Rush	Pres. L	None: NO DI Water: H ₂ O
Due Date:			Cool: Cool MeOH: Me
TAT starts	TAT starts the day received by	2,0	
the lab, if	the lab, if received by 4:30pm	,	H ₂ SO ₄ : H ₂ NaOH: Na
Temp Blank: Yes No Wet Ice:	Yes No	M	H₃PO₄: HP
act: Yes No Thermometer ID: C	P P	30	NaHSO ₄ : NABIS
Yes No NA Correction Factor:	7,754	i	Na ₂ S ₂ O ₃ : NaSO ₃
s: Yes No N/A Temperature Reading.	1-1	est of the second	Zn Acetate+NaOH: Zn
Corrected Temperature	el yas	ion:	NaOH+Ascorbic Acid: SAPC
ification Matrix Sampled Sampled	Depth Grab/	#of Child	Sample Comments
5 8.5.21 12.25			
	u		
1605			
1620	.,		
1630	,		
4871			
1655			
Soti			
51t) A A	*	£	
10 200.8 / 6020: 8RCRA 13	13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe P	Pb Mg Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn U V Zn
Metal(s) to be analyzed	6010: 8RC	Sb As Ba Be Cd Cr Co Cu Pb Mn N	
ument and relinquishment of samples constitutes a vali will be liable only for the cost of samples and shall not a	lid purchase order from cl	ocument and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control	on and
min charge of space, with the appear on each project and	a citalga Ci 40 ici cacii		d hv: (Signature)
(Signature) / Received by: (Signature)	nature)	Date/Time Relinquished by: (Signature)	ature) Received by: (Signature) Date/ i lime

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1074-1

SDG Number: 11220747

List Source: Eurofins Xenco, Carlsbad

Login Number: 1074 List Number: 1 Creator: Clifton, Cloe

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	N/A	

<6mm (1/4").

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1074-1 SDG Number: 11220747

Login Number: 1074
List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/10/21 11:12 AM

Creator: Copeland, Tatiana

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	True	

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<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1075-1

Laboratory Sample Delivery Group: 11220747

Client Project/Site: Flamenco #1

For:

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

Attn: Becky Haskell

Debbie Simmus

Authorized for release by: 8/13/2021 12:29:54 PM

Debbie Simmons, Project Manager (281)240-4200

debbie.simmons@eurofinset.com

Review your project

results through
Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 5/2/2022 3:37:29 PM

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.

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Client: GHD Services Inc.
Project/Site: Flamenco #1

Laboratory Job ID: 890-1075-1 SDG: 11220747

Table of Contents

1
2
3
4
5
12
13
17
20
23
24
25
26
27

Definitions/Glossary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

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, high biased.
U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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.

HPLC/IC

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
POS Positive / Occapitation

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

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Case Narrative

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

Job ID: 890-1075-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1075-1

Receipt

The samples were received on 8/9/2021 12:53 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 6.6°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

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.

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Client: GHD Services Inc. Project/Site: Flamenco #1

Job ID: 890-1075-1 SDG: 11220747

Lab Sample ID: 890-1075-1

Matrix: Solid

Client Sample ID: SB-37-45

Date Collected: 08/07/21 17:25 Date Received: 08/09/21 12:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
Xylenes, Total	< 0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:24	08/11/21 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/10/21 09:24	08/11/21 01:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/10/21 09:24	08/11/21 01:16	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (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		08/10/21 14:43	08/10/21 21:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 14:43	08/10/21 21:24	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 14:43	08/10/21 21:24	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 14:43	08/10/21 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/10/21 14:43	08/10/21 21:24	1

Method: 300.0 - Anions, Ion Chror	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	812	5.00	0.858 ma/Ka			08/11/21 20:42	1

70 - 130

110

Client Sample ID: SB-37-60 Lab Sample ID: 890-1075-2 Date Collected: 08/08/21 09:50 Matrix: Solid

Date Received: 08/09/21 12:53

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:24	08/11/21 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/10/21 09:24	08/11/21 01:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/10/21 09:24	08/11/21 01:37	1
- Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		08/10/21 14:43	08/10/21 22:27	1

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-37-60

Method: 8021B - Volatile Organic Compounds (GC)

Date Collected: 08/08/21 09:50 Date Received: 08/09/21 12:53

Lab Sample ID: 890-1075-2

Matrix: Solid

ĺ	Dil Fac	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 22:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 22:27	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				08/10/21 14:43	08/10/21 22:27	1
o-Terphenyl	102		70 - 130				08/10/21 14:43	08/10/21 22:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Prepared Dil Fac D Analyzed 5.05 08/11/21 20:48 Chloride 273 0.867 mg/Kg

Client Sample ID: SB-37-65 Lab Sample ID: 890-1075-3 Date Collected: 08/08/21 10:00

Date Received: 08/09/21 12:53

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/10/21 09:24	08/11/21 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/10/21 09:24	08/11/21 01:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/10/21 09:24	08/11/21 01:57	1
- Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 22:48	-
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 22:48	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 22:48	
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 22:48	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	102		70 - 130				08/10/21 14:43	08/10/21 22:48	
o-Terphenyl	109		70 - 130				08/10/21 14:43	08/10/21 22:48	•
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	147		5.05	0.867	mg/Kg			08/11/21 20:53	

Client Sample ID: SB-36-2

Date Collected: 08/08/21 10:30

Date Received: 08/09/21 12:53

Job ID: 890-1075-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1075-4

Matrix: Solid

Method: 8021B - Volatile Orga	nic Compounds (GC)

Welliou. 002 ID - Volatile Orga	ilic Collipoullus ((30)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
Xylenes, Total	< 0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		08/10/21 09:24	08/11/21 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				08/10/21 09:24	08/11/21 02:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/10/21 09:24	08/11/21 02:18	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:09	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:09	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac
	1-Chlorooctane	119		70 - 130	 08/10/21 14:43	08/10/21 23:09	1
	o-Terphenyl	130		70 - 130	08/10/21 14:43	08/10/21 23:09	1
į,	_						

Method: 300.0 - Anions,	Ion Chromatography - Soluble
Analyte	Popult Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.3		4.98	0.855	mg/Kg	 		08/11/21 20:59	1

Client Sample ID: SB-36-4

Date Collected: 08/08/21 10:35 Date Received: 08/09/21 12:53 Lab Sample ID: 890-1075-5

Matrix: Solid

ic Compounds ((GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199	0.000383	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
<0.00199	U	0.00199	0.000453	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
<0.00199	U	0.00199	0.000562	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
<0.00199	U	0.00199	0.000342	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
<0.00398	U	0.00398	0.00100	mg/Kg		08/10/21 09:24	08/11/21 02:38	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
123		70 - 130				08/10/21 09:24	08/11/21 02:38	1
99		70 - 130				08/10/21 09:24	08/11/21 02:38	1
	Result <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 123		Result Qualifier RL <0.00199	Result Qualifier RL MDL <0.00199	Result Qualifier RL MDL Unit <0.00199	Result Qualifier RL MDL Unit D <0.00199	Result Qualifier RL MDL Unit D Prepared <0.00199	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00199 U

Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 23:30	1
(GRO)-C6-C10									

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-36-4

Date Received: 08/09/21 12:53

Lab Sample ID: 890-1075-5 Date Collected: 08/08/21 10:35

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 23:30	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 23:30	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/10/21 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/10/21 14:43	08/10/21 23:30	1
o-Terphenyl	116		70 ₋ 130				08/10/21 14:43	08/10/21 23:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Dil Fac D Analyzed 5.00 0.858 mg/Kg 08/11/21 21:04 Chloride 31.3

Client Sample ID: SB-36-15 Lab Sample ID: 890-1075-6 Date Collected: 08/08/21 10:55 Matrix: Solid

Date Received: 08/09/21 12:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		08/10/21 09:24	08/11/21 02:58	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/10/21 09:24	08/11/21 02:58	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/10/21 09:24	08/11/21 02:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:24	08/11/21 02:58	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		08/10/21 09:24	08/11/21 02:58	1
Xylenes, Total	< 0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:24	08/11/21 02:58	1
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg		08/10/21 09:24	08/11/21 02:58	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126	70 - 130	08/10/21 09:24	08/11/21 02:58	1
1,4-Difluorobenzene (Surr)	98	70 - 130	08/10/21 09:24	08/11/21 02:58	1

Method: 8015B	NM - Diesel Range O	rganics (DRO) (GC)

	,	, (,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:51	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:51	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/10/21 23:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/10/21 14:43	08/10/21 23:51	1
o-Terphenyl	106		70 - 130				08/10/21 14:43	08/10/21 23:51	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2210	25.0	4.29 ma/Ka			08/11/21 21:10	5

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-36-50

Lab Sample ID: 890-1075-7 Date Collected: 08/08/21 12:00

Matrix: Solid

Date Received: 08/09/21 12:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/10/21 09:24	08/11/21 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118	-	70 - 130				08/10/21 09:24	08/11/21 03:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/10/21 09:24	08/11/21 03:19	1

Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/11/21 00:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/11/21 00:12	1
C10-C28)									
Oll Range Organics (Over	19.2	J	49.8	14.9	mg/Kg		08/10/21 14:43	08/11/21 00:12	1
C28-C36)									
Total TPH	19.2	J	49.8	14.9	mg/Kg		08/10/21 14:43	08/11/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/10/21 14:43	08/11/21 00:12	1

l	o-Terphenyl 	111	70 - 130			08/10/21 14:43	08/11/21 00:12	1
	 Method: 300.0 - Anions, Ion Chrom	atography - Soluble						
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2060	24.8	4.25 mg/Kg			08/11/21 21:16	5

Client Sample ID: SB-36-60 Lab Sample ID: 890-1075-8

Date Collected: 08/08/21 12:45 Date Received: 08/09/21 12:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
Toluene	0.000586	J	0.00200	0.000456	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/11/21 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				08/10/21 09:24	08/11/21 04:41	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/10/21 09:24	08/11/21 04:41	1

Gasoline Range Organics <49.9 U 49.9 15.0 mg/Kg 08/10/21 14:43 08/11/21 00:34 (GRO)-C6-C10

Eurofins Xenco, Carlsbad

Matrix: Solid

Job ID: 890-1075-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1075-8

Matrix: Solid

Client Sample ID: SB-36-60 Date Collected: 08/08/21 12:45

Date Received: 08/09/21 12:53

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:34	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/10/21 14:43	08/11/21 00:34	1
o-Terphenyl	109		70 - 130				08/10/21 14:43	08/11/21 00:34	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SB-36-65 Lab Sample ID: 890-1075-9 Date Collected: 08/08/21 13:05

5.00

0.858 mg/Kg

0.00101 mg/Kg

91.2

<0.00398 U

Date Received: 08/09/21 12:53

Chloride

Total BTEX

08/11/21 05:01

08/10/21 09:24

08/12/21 03:26

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 0.000383 Benzene <0.00199 U 0.00199 08/10/21 09:24 08/11/21 05:01 mg/Kg Toluene <0.00199 U 0.00199 0.000454 mg/Kg 08/10/21 09:24 08/11/21 05:01 08/10/21 09:24 Ethylbenzene <0.00199 U 0.00199 0.000563 mg/Kg 08/11/21 05:01 0.00101 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.00398 08/10/21 09:24 08/11/21 05:01 o-Xylene <0.00199 U 0.00199 0.000343 mg/Kg 08/10/21 09:24 08/11/21 05:01 0.00398 08/10/21 09:24 Xylenes, Total <0.00398 U 0.00101 mg/Kg 08/11/21 05:01

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	70 - 130	08/10/21 09:24	08/11/21 05:01	1
1,4-Difluorobenzene (Surr)	94	70 - 130	08/10/21 09:24	08/11/21 05:01	1

0.00398

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

Method. 00 13D MM - Dieser Kang	Je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	26.3	J	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:55	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:55	1
Total TPH	26.3	J	49.9	15.0	mg/Kg		08/10/21 14:43	08/11/21 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/10/21 14:43	08/11/21 00:55	1
o-Terphenyl	126		70 - 130				08/10/21 14:43	08/11/21 00:55	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1620	25.0	4.28 mg/Kg			08/12/21 11:00	5

Date Received: 08/09/21 12:53

Surrogate

o-Terphenyl

1-Chlorooctane

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-35-2 Lab Sample ID: 890-1075-10 Date Collected: 08/08/21 12:20

Matrix: Solid

Dil Fac

Analyzed

08/11/21 01:16

Prepared

08/10/21 14:43

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/10/21 09:24	08/11/21 05:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/10/21 09:24	08/11/21 05:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/10/21 09:24	08/11/21 05:21	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/11/21 01:16	1
Gasoline Range Organics									
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8	U	49.8	14.9	mg/Kg		08/10/21 14:43	08/11/21 01:16	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<49.8 <49.8		49.8 49.8		mg/Kg mg/Kg		08/10/21 14:43 08/10/21 14:43	08/11/21 01:16 08/11/21 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.97	0.853	mg/Kg			08/12/21 03:37	1

Limits

70 - 130

70 - 130

%Recovery Qualifier

106

112

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1075-1	SB-37-45	121	101	
890-1075-2	SB-37-60	124	98	
890-1075-3	SB-37-65	123	98	
390-1075-4	SB-36-2	118	95	
890-1075-5	SB-36-4	123	99	
890-1075-6	SB-36-15	126	98	
890-1075-7	SB-36-50	118	97	
890-1075-8	SB-36-60	118	90	
890-1075-9	SB-36-65	115	94	
890-1075-10	SB-35-2	123	94	
LCS 880-6288/1-A	Lab Control Sample	112	104	
LCSD 880-6288/2-A	Lab Control Sample Dup	106	104	
MB 880-6287/5-A	Method Blank	97	98	
MB 880-6288/5-A	Method Blank	135 S1+	97	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1075-1	SB-37-45	104	110	
890-1075-1 MS	SB-37-45	91	89	
890-1075-1 MSD	SB-37-45	92	89	
890-1075-2	SB-37-60	95	102	
890-1075-3	SB-37-65	102	109	
890-1075-4	SB-36-2	119	130	
390-1075-5	SB-36-4	107	116	
390-1075-6	SB-36-15	98	106	
390-1075-7	SB-36-50	103	111	
390-1075-8	SB-36-60	105	109	
390-1075-9	SB-36-65	120	126	
890-1075-10	SB-35-2	106	112	
LCS 880-6330/2-A	Lab Control Sample	107	104	
LCSD 880-6330/3-A	Lab Control Sample Dup	97	95	
	Method Blank	101	105	

OTPH = o-Terphenyl

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1

SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-6287/5-A

Analysis Batch: 6292

Matrix: Solid

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene Xylenes, Total

Total BTEX

Client Sample ID: Method Blank Prep Type: Total/NA

08/10/21 13:01

08/10/21 13:01

08/10/21 09:18

08/10/21 09:18

Prep Batch: 6287

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:18	08/10/21 13:01	1
<0.00200	U	0.00200	0.000344	ma/Ka		08/10/21 09:18	08/10/21 13:01	1

0.00101 mg/Kg

0.00101 mg/Kg

MB MB

<0.00400 U

<0.00400 U

Surrogate	%Recovery Qual	lifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	08/10/21 09:18	08/10/21 13:01	1
1,4-Difluorobenzene (Surr)	98	70 - 130	08/10/21 09:18	08/10/21 13:01	1

0.00400

0.00400

Lab Sample ID: MB 880-6288/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 6292

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/10/21 23:54	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/10/21 09:24	08/10/21 23:54	1

мв мв Surrogate Qualifier Limits Prepared %Recovery 4-Bromofluorobenzene (Surr) 135 S1+ 70 - 130 08/10/21 09:24

Analyzed Dil Fac 08/10/21 23:54 1,4-Difluorobenzene (Surr) 70 - 130 08/10/21 09:24 08/10/21 23:54 97

Lab Sample ID: LCS 880-6288/1-A

Matrix: Solid

Analysis Batch: 6292

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 6288

Prep Batch: 6288

LCS	LCS

Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	112		70 - 130	
1,4-Difluorobenzene (Surr)	104		70 - 130	

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

Lab Sample ID: LCSD 880-6288/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 6292 Prep Batch: 6288

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08313		mg/Kg		83	70 - 130	5	35
Toluene	0.100	0.07869		mg/Kg		79	70 - 130	9	35
Ethylbenzene	0.100	0.07898		mg/Kg		79	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1600		mg/Kg		80	70 - 130	11	35
o-Xylene	0.100	0.08117		mg/Kg		81	70 - 130	10	35

LCSD LCSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 70 - 130 106 104 1,4-Difluorobenzene (Surr) 70 - 130

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

Lab Sample ID: MB 880-6330/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6276** Prep Batch: 6330

	MB	MB							
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		08/10/21 14:43	08/10/21 20:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/10/21 14:43	08/10/21 20:20	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 101 70 - 130 08/10/21 14:43 08/10/21 20:20 08/10/21 14:43 08/10/21 20:20 o-Terphenyl 105 70 - 130

Lab Sample ID: LCS 880-6330/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6276** Prep Batch: 6330

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1191		mg/Kg		119	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1246		mg/Kg		125	70 - 130	
C10-C28)								

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-6330/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 6276 Prep Batch: 6330 LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics 1000 1043 mg/Kg 104 70 - 130

(GRO)-C6-C10

Released to Imaging: 5/2/2022 3:37:29 PM

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: LCSD 880-6330/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6276** Prep Batch: 6330

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D 1000 1129 113 70 - 130 10 20 Diesel Range Organics (Over mg/Kg

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-1075-1 MS Client Sample ID: SB-37-45

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 6276**

Prep Batch: 6330

MS MS %Rec. Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits <50.0 U 995 91 Gasoline Range Organics 901.5 mg/Kg 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 995 943.8 mg/Kg 95 70 - 130 C10-C28)

MS MS

Surrogate	%Recovery G	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-1075-1 MSD Client Sample ID: SB-37-45

Matrix: Solid

Analysis Batch: 6276

Prep Type: Total/NA Prep Batch: 6330 Sample Sample Spike MSD MSD %Rec. RPD

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit <50.0 U Gasoline Range Organics 998 916.1 mg/Kg 92 70 - 1302 20 (GRO)-C6-C10 <50.0 U 998 960.6 96 70 - 130 2 20 Diesel Range Organics (Over mg/Kg

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 92 70 - 130 o-Terphenyl 89 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6319/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6396

MB MB Analyte Result Qualifier RLMDL Unit D

Dil Fac Prepared Analyzed 5.00 Chloride <5.00 П 08/11/21 18:27 0.858 mg/Kg

Lab Sample ID: LCS 880-6319/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6396

LCS LCS %Rec. Spike Analyte babbA Result Qualifier Limits Unit D %Rec Chloride 250 259.3 mg/Kg 104 90 - 110

QC Sample Results

Client: GHD Services Inc. Job ID: 890-1075-1 Project/Site: Flamenco #1

SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-6319/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6396

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 259.8 mg/Kg 104 90 - 110

Lab Sample ID: MB 880-6320/1-A Client Sample ID: Method Blank **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 6399

мв мв MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 0.858 mg/Kg 08/12/21 00:54

Lab Sample ID: LCS 880-6320/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6399

LCS LCS %Rec. Spike Analyte Added Result Qualifier Unit Limits Chloride 250 267.0 107 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-6320/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6399

Spike LCSD LCSD RPD %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 250 267.3 Chloride 107 90 - 110 20 mg/Kg

QC Association Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

GC VOA

Prep Batch: 6287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6287/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 6288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-1	SB-37-45	Total/NA	Solid	5035	
890-1075-2	SB-37-60	Total/NA	Solid	5035	
890-1075-3	SB-37-65	Total/NA	Solid	5035	
890-1075-4	SB-36-2	Total/NA	Solid	5035	
890-1075-5	SB-36-4	Total/NA	Solid	5035	
890-1075-6	SB-36-15	Total/NA	Solid	5035	
890-1075-7	SB-36-50	Total/NA	Solid	5035	
890-1075-8	SB-36-60	Total/NA	Solid	5035	
890-1075-9	SB-36-65	Total/NA	Solid	5035	
890-1075-10	SB-35-2	Total/NA	Solid	5035	
MB 880-6288/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 6292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-1	SB-37-45	Total/NA	Solid	8021B	6288
890-1075-2	SB-37-60	Total/NA	Solid	8021B	6288
890-1075-3	SB-37-65	Total/NA	Solid	8021B	6288
890-1075-4	SB-36-2	Total/NA	Solid	8021B	6288
890-1075-5	SB-36-4	Total/NA	Solid	8021B	6288
890-1075-6	SB-36-15	Total/NA	Solid	8021B	6288
890-1075-7	SB-36-50	Total/NA	Solid	8021B	6288
890-1075-8	SB-36-60	Total/NA	Solid	8021B	6288
890-1075-9	SB-36-65	Total/NA	Solid	8021B	6288
890-1075-10	SB-35-2	Total/NA	Solid	8021B	6288
MB 880-6287/5-A	Method Blank	Total/NA	Solid	8021B	6287
MB 880-6288/5-A	Method Blank	Total/NA	Solid	8021B	6288
LCS 880-6288/1-A	Lab Control Sample	Total/NA	Solid	8021B	6288
LCSD 880-6288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6288

GC Semi VOA

Analysis Batch: 6276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-1	SB-37-45	Total/NA	Solid	8015B NM	6330
890-1075-2	SB-37-60	Total/NA	Solid	8015B NM	6330
890-1075-3	SB-37-65	Total/NA	Solid	8015B NM	6330
890-1075-4	SB-36-2	Total/NA	Solid	8015B NM	6330
890-1075-5	SB-36-4	Total/NA	Solid	8015B NM	6330
890-1075-6	SB-36-15	Total/NA	Solid	8015B NM	6330
890-1075-7	SB-36-50	Total/NA	Solid	8015B NM	6330
890-1075-8	SB-36-60	Total/NA	Solid	8015B NM	6330
890-1075-9	SB-36-65	Total/NA	Solid	8015B NM	6330
890-1075-10	SB-35-2	Total/NA	Solid	8015B NM	6330
MB 880-6330/1-A	Method Blank	Total/NA	Solid	8015B NM	6330
LCS 880-6330/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6330

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QC Association Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

GC Semi VOA (Continued)

Analysis Batch: 6276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-6330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6330
890-1075-1 MS	SB-37-45	Total/NA	Solid	8015B NM	6330
890-1075-1 MSD	SB-37-45	Total/NA	Solid	8015B NM	6330

Prep Batch: 6330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-1	SB-37-45	Total/NA	Solid	8015NM Prep	
890-1075-2	SB-37-60	Total/NA	Solid	8015NM Prep	
890-1075-3	SB-37-65	Total/NA	Solid	8015NM Prep	
890-1075-4	SB-36-2	Total/NA	Solid	8015NM Prep	
890-1075-5	SB-36-4	Total/NA	Solid	8015NM Prep	
890-1075-6	SB-36-15	Total/NA	Solid	8015NM Prep	
890-1075-7	SB-36-50	Total/NA	Solid	8015NM Prep	
890-1075-8	SB-36-60	Total/NA	Solid	8015NM Prep	
890-1075-9	SB-36-65	Total/NA	Solid	8015NM Prep	
890-1075-10	SB-35-2	Total/NA	Solid	8015NM Prep	
MB 880-6330/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6330/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6330/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1075-1 MS	SB-37-45	Total/NA	Solid	8015NM Prep	
890-1075-1 MSD	SB-37-45	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 6319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-1	SB-37-45	Soluble	Solid	DI Leach	
890-1075-2	SB-37-60	Soluble	Solid	DI Leach	
890-1075-3	SB-37-65	Soluble	Solid	DI Leach	
890-1075-4	SB-36-2	Soluble	Solid	DI Leach	
890-1075-5	SB-36-4	Soluble	Solid	DI Leach	
890-1075-6	SB-36-15	Soluble	Solid	DI Leach	
890-1075-7	SB-36-50	Soluble	Solid	DI Leach	
MB 880-6319/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6319/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6319/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 6320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-8	SB-36-60	Soluble	Solid	DI Leach	
890-1075-9	SB-36-65	Soluble	Solid	DI Leach	
890-1075-10	SB-35-2	Soluble	Solid	DI Leach	
MB 880-6320/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6320/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6320/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 6396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-1	SB-37-45	Soluble	Solid	300.0	6319
890-1075-2	SB-37-60	Soluble	Solid	300.0	6319
890-1075-3	SB-37-65	Soluble	Solid	300.0	6319

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QC Association Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 6396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-4	SB-36-2	Soluble	Solid	300.0	6319
890-1075-5	SB-36-4	Soluble	Solid	300.0	6319
890-1075-6	SB-36-15	Soluble	Solid	300.0	6319
890-1075-7	SB-36-50	Soluble	Solid	300.0	6319
MB 880-6319/1-A	Method Blank	Soluble	Solid	300.0	6319
LCS 880-6319/2-A	Lab Control Sample	Soluble	Solid	300.0	6319
LCSD 880-6319/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6319

Analysis Batch: 6399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1075-8	SB-36-60	Soluble	Solid	300.0	6320
890-1075-9	SB-36-65	Soluble	Solid	300.0	6320
890-1075-10	SB-35-2	Soluble	Solid	300.0	6320
MB 880-6320/1-A	Method Blank	Soluble	Solid	300.0	6320
LCS 880-6320/2-A	Lab Control Sample	Soluble	Solid	300.0	6320
LCSD 880-6320/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6320

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Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1075-1 SDG: 11220747

Client Sample ID: SB-37-45

Lab Sample ID: 890-1075-1

Date Collected: 08/07/21 17:25 Date Received: 08/09/21 12:53

Client Sample ID: SB-37-60

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 01:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 21:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 20:42	CH	XEN MID

Lab Sample ID: 890-1075-2

Date Collected: 08/08/21 09:50 Date Received: 08/09/21 12:53

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 01:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 22:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6319	08/10/21 11:38	СН	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 20:48	CH	XEN MID

Client Sample ID: SB-37-65 Lab Sample ID: 890-1075-3 Date Collected: 08/08/21 10:00

Matrix: Solid

XEN MID

XEN MID

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 6288 08/10/21 09:24 Prep 5.02 g 5 mL KL XEN MID Total/NA Analysis 8021B 5 mL 6292 08/11/21 01:57 KL XEN MID 1 5 mL Total/NA 8015NM Prep 6330 08/10/21 14:43 DM XEN MID Prep 10.04 q 10 mL Total/NA 8015B NM 6276 08/10/21 22:48 Analysis 1 AJ XEN MID

Client Sample ID: SB-36-2 Lab Sample ID: 890-1075-4 Date Collected: 08/08/21 10:30 Matrix: Solid

1

4.95 g

50 mL

6319

6396

6396

08/10/21 11:38

08/11/21 20:59

CH

08/11/21 20:53 CH

CH

Date Received: 08/09/21 12:53

Leach

Analysis

Analysis

DI Leach

300.0

300.0

Soluble

Soluble

Soluble

Date Received: 08/09/21 12:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 02:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 23:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6319	08/10/21 11:38	СН	XEN MID

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Eurofins Xenco, Carlsbad

XEN MID

Client: GHD Services Inc.

Job ID: 890-1075-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-36-4

Date Collected: 08/08/21 10:35 Date Received: 08/09/21 12:53 Lab Sample ID: 890-1075-5

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 02:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/10/21 23:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6319	08/10/21 11:38	СН	XEN MID
Soluble	Analysis	300.0		1			6396	08/11/21 21:04	CH	XEN MID

Client Sample ID: SB-36-15 Lab Sample ID: 890-1075-6 Date Collected: 08/08/21 10:55

Date Received: 08/09/21 12:53

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.05 g 5 mL 6288 08/10/21 09:24 KL XEN MID Total/NA 8021B XEN MID Analysis 5 mL 5 mL 6292 08/11/21 02:58 KL 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 6330 08/10/21 14:43 DM XEN MID Total/NA 8015B NM 08/10/21 23:51 XEN MID Analysis 6276 AJ Soluble 08/10/21 11:38 XEN MID Leach DI Leach 5 g 50 mL 6319 СН Soluble Analysis 300.0 5 6396 08/11/21 21:10 CH XEN MID

Client Sample ID: SB-36-50 Lab Sample ID: 890-1075-7 Matrix: Solid

Date Collected: 08/08/21 12:00

Date Received: 08/09/21 12:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 03:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/11/21 00:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6319	08/10/21 11:38	CH	XEN MID
Soluble	Analysis	300.0		5			6396	08/11/21 21:16	CH	XEN MID

Client Sample ID: SB-36-60 Lab Sample ID: 890-1075-8 Date Collected: 08/08/21 12:45 Matrix: Solid

Date Received: 08/09/21 12:53

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 04:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/11/21 00:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 03:26	CH	XEN MID

Eurofins Xenco, Carlsbad

Client: GHD Services Inc. Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

Client Sample ID: SB-36-65

Date Collected: 08/08/21 13:05 Date Received: 08/09/21 12:53 Lab Sample ID: 890-1075-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 05:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/11/21 00:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		5			6399	08/12/21 11:00	CH	XEN MID

Lab Sample ID: 890-1075-10

Matrix: Solid

Date Collected: 08/08/21 12:20 Date Received: 08/09/21 12:53

Client Sample ID: SB-35-2

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6288	08/10/21 09:24	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6292	08/11/21 05:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6330	08/10/21 14:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6276	08/11/21 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6320	08/10/21 11:43	CH	XEN MID
Soluble	Analysis	300.0		1			6399	08/12/21 03:37	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: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

Laboratory: Eurofins Xenco, Midland

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

Authority		rogram	Identification Number	Expiration Date
Texas		ELAP	T104704400-20-21	06-30-22
The following analytes the agency does not of		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
OO IOD INIVI	oo lolviii licp	Cona	iotal II II	

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Method Description

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Method Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

Protocol	Laboratory	
SW846	XEN MID	/
SW846	XEN MID	
MCAWW	XEN MID	
SW846	XEN MID	-

XEN MID

SW846

ASTM

Protocol References:

Method

8015B NM

8015NM Prep

8021B

300.0

5035

DI Leach

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.

Laboratory References:

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

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Sample Summary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1075-1

SDG: 11220747

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1075-1	SB-37-45	Solid	08/07/21 17:25	08/09/21 12:53
890-1075-2	SB-37-60	Solid	08/08/21 09:50	08/09/21 12:53
890-1075-3	SB-37-65	Solid	08/08/21 10:00	08/09/21 12:53
890-1075-4	SB-36-2	Solid	08/08/21 10:30	08/09/21 12:53
890-1075-5	SB-36-4	Solid	08/08/21 10:35	08/09/21 12:53
890-1075-6	SB-36-15	Solid	08/08/21 10:55	08/09/21 12:53
890-1075-7	SB-36-50	Solid	08/08/21 12:00	08/09/21 12:53
890-1075-8	SB-36-60	Solid	08/08/21 12:45	08/09/21 12:53
890-1075-9	SB-36-65	Solid	08/08/21 13:05	08/09/21 12:53
890-1075-10	SB-35-2	Solid	08/08/21 12:20	08/09/21 12:53

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Circle Method(s) and Metal(s) to be analyzed

53-35-2

3-36-60

3-54-50

3-36-69

otal 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 TCLP / SPLP 6010: 8RC

222 1305

246

1200

5B-36-4 53-26-20 58-27-65

882

1030

035

91871 0750

58-37-60

513-37-45

Sample Identification

Matrix

Sampled

Sampled

Time

Depth

Comp Grab/

P

ar

Date

Sample Custody Seals:

Yes No/ N/A Temperature Reading:

Corrected Temperature:

NO N/A Correction Factor:

otal Containers:

Cooler Custody Seals:

Samples Received Intact:

Les Constitution of the co

No

Thermometer iD: Yes No

LOOM

ON 5,00 6

SAMPLE RECEIPT

Temp Blank:

Wet ice:

Yes No

Sampler's Name:

roject Location:

Due Date: 3 Day

the lab, if received by 4:30pm FAT starts the day received by Routine

Rush

Turn Around

Email:

City, State ZIP:

Company Name Bill to: (if differer

Address:

Project Number: Project Name:

8-34-15

service. Eurofine Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofine Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$6 for each sample submitted to Eurofine Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Received by: (Signature)

8-9-21 1253

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/ Time

Reveal Color GATATION Rev 2020 2

eurofins Xenco **Environment Testing**

Address:

City, State ZIP:

Project Manager:

Becky

Haskell

THU

Company Name:

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 **Chain of Custody**

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (815) 586-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

Al Sb As Ba Be B Cd Ca RA Sb As Ba Be Cd Cr C	~ V W				BI	EX	Param De 3 807 65 M	ec		Code			r o C	3	
Or Co Cu Fe Pb Mg Mn Mo Ni K Se Ag O Cu Pb Mn Mo Ni Se Ag Ti U Hg Hg Hg Hg Hg Hg Hg Hg Hg Hg Hg Hg Hg H							890-1075 Chain of Custody				ANALYSIS REQUEST	Deliverables: EDD ☐ ADaPT ☐ Other:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project:	Krine dy Work Orde	www.xenco.com
SiO ₂ Na Sr Ti Sn U V Zn : 1631 / 245.1 / 7470 / 7471 ditions					Sample Comments	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃	H ₂ SO ₄ : H ₂ NaOH: Na	HCL: HC HNO ₃ : HN	None: NO DI Water: H ₂ O	Preservative Codes	ADaPT Other:	vnfields ☐ RRC ☐ Superfund ☐	Work Order Comments	n Page of
2022 3:3	7:29	PM .		Pag	e 26 (of 28									

Released to Imaging: 5/2/

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1075-1 SDG Number: 11220747

List Source: Eurofins Xenco, Carlsbad

Login Number: 1075 List Number: 1 Creator: Clifton, Cloe

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	N/A	

Eurofins Xenco, Carlsbad

<6mm (1/4").

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 890-1075-1 SDG Number: 11220747

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/10/21 11:11 AM

Creator: Copeland, Tatiana

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	True	

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<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1100-1

Laboratory Sample Delivery Group: 11220747

Client Project/Site: Flamenco #1

Revision: 1

For:

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

Attn: Becky Haskell

Debbie Simmons

Authorized for release by: 8/18/2021 12:14:14 PM

Debbie Simmons, Project Manager (281)240-4200

debbie.simmons@eurofinset.com

LINKS

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www.eurofinsus.com/Env

Released to Imaging: 5/2/2022 3:37:29 PM

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.

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Laboratory Job ID: 890-1100-1

SDG: 11220747

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	5
Client Sample Results	7
Surrogate Summary	64
QC Sample Results	69
QC Association Summary	90
Lab Chronicle	106
Certification Summary	128
Method Summary	129
Sample Summary	130
Chain of Custody	132
Receipt Checklists	144

3

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6

8

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Definitions/Glossary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

Qualifiers

GC	VOA
Qual	ifier

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

GC Semi VOA

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

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

PQL

QC

RER

RL

PRES

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

Eurofins Xenco, Carlsbad

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Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry)

Practical Quantitation Limit

Presumptive

Quality Control

Definitions/Glossary

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

Job ID: 890-1100-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1100-1

Comments

No additional comments.

Receipt

The samples were received on 8/12/2021 1:46 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 4.0° C.

Revision

Report revised (Rev1) to correct sample ID on sample 880-1100-10 to match the COC.....SB-31-25.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SB-29-15 (890-1100-36). The container labels lists SB-29-8-10-21 16:30, while the COC lists SB-15 8-10-21 1625. The lab assumed these were the same sample since all others matched COC. Lab logged according to COC ID.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB-27A-4 (890-1100-72). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB-24-25 (890-1100-31), SB-24-30 (890-1100-32), SB-29-2 (890-1100-33), SB-29-4 (890-1100-34), SB-29-10 (890-1100-35), SB-29-15 (890-1100-36), SB-29-25 (890-1100-37), SB-22-2 (890-1100-38), SB-22-4 (890-1100-39) and SB-22-15 (890-1100-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB-22-30 (890-1100-41), SB-22-45 (890-1100-42), SB-19-2 (890-1100-44), SB-19-4 (890-1100-45), SB-19-20 (890-1100-46), SB-21C-4 (890-1100-82), SB-21C-6 (890-1100-83), SB-21C-15 (890-1100-84) and SB-21C-20 (890-1100-85). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB-31-4 (890-1100-8). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB-26-2 (890-1100-17). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB-40A-25 (890-1100-70). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-6494 and analytical batch 880-6495 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 8015B NM: The continuing calibration verification (CCV) associated with batch 880-6580 recovered above the upper control limit for Diesel Range Organics (Over C10-C28) The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-6580/84).

Method 8015B NM: Surrogate compounds were inadvertently omitted during the extraction process for the following samples: (CCV 880-6591/27) and (CCV 880-6591/3). This was an analyst prep error.

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Eurofins Xenco, Carlsbad 8/18/2021 (Rev. 1)

Case Narrative

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

Job ID: 890-1100-1 (Continued)

Laboratory: Eurofins Xenco, Carlsbad (Continued)

Method 8015B NM: The method blank for preparation batch 880-6589 and analytical batch 880-6591 contained AffectedAnalytes 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 8015B NM: Surrogate recovery for the following samples were outside control limits: SB-27A-20 (890-1100-75), SB-21B-2 (890-1100-76), SB-21B-4 (890-1100-77) and SB-21B-6 (890-1100-78). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: SB-21B-20 (890-1100-80). Evidence of matrix interferences is not obvious.

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

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-6531 and analytical batch 880-6622 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.

Organic Prep

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

VOA Prep

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

2

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Matrix: Solid

Job ID: 890-1100-1

Lab Sample ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-33-2 Date Collected: 08/08/21 17:20

Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000474	J *- *1	0.00199	0.000383	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
Ethylbenzene	< 0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
Total BTEX	<0.00398	U *- *1	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/13/21 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				08/13/21 10:30	08/13/21 23:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/13/21 10:30	08/13/21 23:48	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		08/14/21 09:48	08/14/21 22:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/14/21 22:26	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/14/21 22:26	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/14/21 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/14/21 09:48	08/14/21 22:26	1
o-Terphenyl	87		70 - 130				08/14/21 09:48	08/14/21 22:26	1

Method: 300.0 - Anions, Ion Cl	nromatogra	phy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.2		4.98	0.855	mg/Kg			08/14/21 09:11	1

Client Sample ID: SB-33-4 Date Collected: 08/08/21 17:25 Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *- *1	0.00198	0.000381	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
m-Xylene & p-Xylene	0.00101	J	0.00396	0.00100	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
o-Xylene	0.000838	J	0.00198	0.000341	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
Xylenes, Total	0.00185	J	0.00396	0.00100	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
Total BTEX	0.00185	J *- *1	0.00396	0.00100	mg/Kg		08/13/21 10:30	08/14/21 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/13/21 10:30	08/14/21 00:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/13/21 10:30	08/14/21 00:09	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1100-2

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1100-2

Lab Sample ID: 890-1100-3

Matrix: Solid

Job ID: 890-1100-1

SDG: 11220747

Client Sample ID: SB-33-4

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/08/21 17:25 Date Received: 08/12/21 13:46

Sample Depth: - 4

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		08/14/21 09:48	08/14/21 23:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/14/21 23:28	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/14/21 23:28	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/14/21 23:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/14/21 09:48	08/14/21 23:28	1
o-Terphenyl	86		70 - 130				08/14/21 09:48	08/14/21 23:28	1

Method: 300.0 - Anions, Ion Ch	romatograp	hy - Soluble	e						
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.4		4.95	0.850	mg/Kg			08/14/21 09:17	1

Client Sample ID: SB-33-20 Date Collected: 08/08/21 17:50 Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *- *1	0.00198	0.000381	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
Xylenes, Total	< 0.00396	U	0.00396	0.00100	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
Total BTEX	<0.00396	U *- *1	0.00396	0.00100	mg/Kg		08/13/21 10:30	08/14/21 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/13/21 10:30	08/14/21 00:30	1
1,4-Difluorobenzene (Surr)	81		70 - 130				08/13/21 10:30	08/14/21 00:30	1

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		08/14/21 09:48	08/14/21 23:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/14/21 23:49	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/14/21 23:49	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/14/21 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/14/21 09:48	08/14/21 23:49	1
o-Terphenyl	94		70 - 130				08/14/21 09:48	08/14/21 23:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL **MDL** Unit D Dil Fac Analyte Prepared Analyzed 25.0 08/16/21 17:48 **Chloride** 2440 4.29 mg/Kg

Eurofins Xenco, Carlsbad

Job ID: 890-1100-1

Matrix: Solid

Lab Sample ID: 890-1100-4

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-33-55

Date Collected: 08/09/21 11:30 Date Received: 08/12/21 13:46

Sample Depth: - 55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	0.000385	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
Toluene	0.000459	J	0.00200	0.000456	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
Total BTEX	<0.00400	U *- *1	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/13/21 10:30	08/14/21 00:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/13/21 10:30	08/14/21 00:51	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 00:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 00:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 00:10	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/14/21 09:48	08/15/21 00:10	1
o-Terphenyl	87		70 - 130				08/14/21 09:48	08/15/21 00:10	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Soluk	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	895		4.98	0.855	mg/Kg			08/16/21 18:05	1

Client Sample ID: SB-33-60 Date Collected: 08/09/21 12:00 Date Received: 08/12/21 13:46

Sample Depth: - 60

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	0.000383	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
Total BTEX	<0.00398	U *- *1	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				08/13/21 10:30	08/14/21 01:11	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/13/21 10:30	08/14/21 01:11	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Lab Sample ID: 890-1100-5

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-33-60

Date Collected: 08/09/21 12:00 Date Received: 08/12/21 13:46

Sample Depth: - 60

Lab	Sampl	e ID:	890-1100-5
	_		Matrix: Solid

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 00:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 00:30	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 00:30	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/14/21 09:48	08/15/21 00:30	1
o-Terphenyl	84		70 - 130				08/14/21 09:48	08/15/21 00:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Chloride 346 5.04 0.865 mg/Kg 08/16/21 18:11

Client Sample ID: SB-33-65 Lab Sample ID: 890-1100-6 **Matrix: Solid**

Date Collected: 08/09/21 12:15 Date Received: 08/12/21 13:46

Sample Depth: - 65

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	0.000384	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
Total BTEX	<0.00399	U *- *1	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/13/21 10:30	08/14/21 01:32	1
1.4-Difluorobenzene (Surr)	74		70 - 130				08/13/21 10:30	08/14/21 01:32	1

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		08/14/21 09:48	08/16/21 15:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/16/21 15:42	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/16/21 15:42	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/16/21 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/14/21 09:48	08/16/21 15:42	1
o-Terphenyl	105		70 - 130				08/14/21 09:48	08/16/21 15:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL **MDL** Unit D Analyzed Dil Fac Prepared 4.99 08/16/21 18:28 **Chloride 548** 0.857 mg/Kg

Eurofins Xenco, Carlsbad

Date Received: 08/12/21 13:46

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Lab Sample ID: 890-1100-7 Client Sample ID: SB-31-2 Date Collected: 08/09/21 13:55

Matrix: Solid

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000397	J *- *1	0.00199	0.000383	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
Toluene	0.00135	J	0.00199	0.000454	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
o-Xylene	0.00104	J	0.00199	0.000343	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
Xylenes, Total	0.00104	J	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
Total BTEX	0.00279	J *- *1	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 10:30	08/14/21 01:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/13/21 10:30	08/14/21 01:53	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 01:12	1
Diesel Range Organics (Over C10-C28)	15.5	J	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 01:12	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 01:12	1
Total TPH	15.5	J	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/14/21 09:48	08/15/21 01:12	1
o-Terphenyl	85		70 - 130				08/14/21 09:48	08/15/21 01:12	1

Method: 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134	5.00	0.858 mg/Kg			08/16/21 18:33	1

Client Sample ID: SB-31-4 Date Collected: 08/09/21 14:00 Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	0.000385	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
Toluene	0.0392		0.00200	0.000456	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
Total BTEX	0.0392	*- *1	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	777	S1+	70 - 130				08/13/21 10:30	08/14/21 02:14	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/13/21 10:30	08/14/21 02:14	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1100-8

Matrix: Solid

Job ID: 890-1100-1 SDG: 11220747

Project/Site: Flamenco #1

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Client Sample ID: SB-31-4 Lab Sample ID: 890-1100-8 Date Collected: 08/09/21 14:00

Matrix: Solid

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 01:32	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 01:32	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 01:32	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/14/21 09:48	08/15/21 01:32	1
o-Terphenyl	87		70 - 130				08/14/21 09:48	08/15/21 01:32	1

Client Sample ID: SB-31-15 Lab Sample ID: 890-1100-9

4.95

0.850 mg/Kg

58.2

Matrix: Solid

08/16/21 18:39

Date Collected: 08/09/21 14:20 Date Received: 08/12/21 13:46

Sample Depth: - 15

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202	0.000389	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
Total BTEX	<0.00404	U *- *1	0.00404	0.00102	mg/Kg		08/13/21 10:30	08/14/21 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				08/13/21 10:30	08/14/21 02:35	1
1,4-Difluorobenzene (Surr)	125		70 - 130				08/13/21 10:30	08/14/21 02:35	1
		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
: Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics		Qualifier			Unit mg/Kg	<u>D</u>	Prepared 08/14/21 09:48	Analyzed 08/15/21 01:53	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	RL 49.9	15.0	mg/Kg	<u>D</u>	08/14/21 09:48	08/15/21 01:53	Dil Fac
Analyte	Result	Qualifier U	RL	15.0		<u>D</u>	08/14/21 09:48		1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	RL 49.9	15.0	mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48	08/15/21 01:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U U	49.9 49.9	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48	08/15/21 01:53 08/15/21 01:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48	08/15/21 01:53 08/15/21 01:53 08/15/21 01:53	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48	08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 08/15/21 01:53	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 Prepared 08/14/21 09:48	08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 <49.9 <49.9 <82 92	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 Prepared 08/14/21 09:48	08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 Analyzed 08/15/21 01:53	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 Prepared 08/14/21 09:48	08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 08/15/21 01:53 Analyzed 08/15/21 01:53	Dil Fac

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Matrix: Solid

Lab Sample ID: 890-1100-10

Job ID: 890-1100-1 SDG: 11220747

Project/Site: Flamenco #1

Client: GHD Services Inc.

Client Sample ID: SB-31-25

Date Collected: 08/09/21 14:30 Date Received: 08/12/21 13:46

Sample Depth: - 25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	0.000383	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
Total BTEX	<0.00398	U *- *1	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/14/21 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				08/13/21 10:30	08/14/21 02:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/13/21 10:30	08/14/21 02:55	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 02:14	1
Diesel Range Organics (Over C10-C28)	15.1	J	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 02:14	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 02:14	1
Total TPH	15.1	J	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 02:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/14/21 09:48	08/15/21 02:14	1
o-Terphenyl	97		70 - 130				08/14/21 09:48	08/15/21 02:14	1

Method: 300.0 - Anions, Ion C	hromatography	y - Soluble						
Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286	4.96	0.851	mg/Kg			08/16/21 18:50	1

Client Sample ID: SB-31-30 Date Collected: 08/09/21 14:35

Date Received: 08/12/21 13:46

Sample Depth: - 30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00177	J *- *1	0.00201	0.000387	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
o-Xylene	0.00117	J	0.00201	0.000345	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
Xylenes, Total	0.00117	J	0.00402	0.00101	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
Total BTEX	0.00294	J *- *1	0.00402	0.00101	mg/Kg		08/13/21 10:30	08/14/21 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/13/21 10:30	08/14/21 04:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/13/21 10:30	08/14/21 04:21	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1100-11

Matrix: Solid

Job ID: 890-1100-1 SDG: 11220747

Client Sample ID: SB-31-30

Date Collected: 08/09/21 14:35 Date Received: 08/12/21 13:46

Sample Depth: - 30

Client: GHD Services Inc.

Project/Site: Flamenco #1

Lab Sample ID: 890-1100-11

Matrix: Solid

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		08/14/21 09:48	08/15/21 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 02:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 02:55	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/14/21 09:48	08/15/21 02:55	1
o-Terphenyl	95		70 - 130				08/14/21 09:48	08/15/21 02:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Analyte RLPrepared Analyzed Dil Fac Chloride 402 5.05 0.867 mg/Kg 08/16/21 18:56

Client Sample ID: SB-30-2 Lab Sample ID: 890-1100-12 **Matrix: Solid**

Date Collected: 08/09/21 14:50 Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00141	J *- *1	0.00202	0.000388	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
o-Xylene	0.000669	J	0.00202	0.000347	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
Total BTEX	0.00208	J *- *1	0.00403	0.00102	mg/Kg		08/13/21 10:30	08/14/21 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/13/21 10:30	08/14/21 04:41	1
1,4-Difluorobenzene (Surr)	81		70 - 130				08/13/21 10:30	08/14/21 04:41	1

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		08/14/21 09:48	08/15/21 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:16	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:16	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/14/21 09:48	08/15/21 03:16	1
o-Terphenyl	83		70 - 130				08/14/21 09:48	08/15/21 03:16	1

Method: 300.0 - Anions, Ion C	hromatogra	phy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.0		5.01	0.860	mg/Kg			08/16/21 19:01	1

Eurofins Xenco, Carlsbad

8/18/2021 (Rev. 1)

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-30-4 Lab Sample ID: 890-1100-13 Date Collected: 08/09/21 14:55

Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	0.000384	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
Total BTEX	<0.00399	U *- *1	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 10:30	08/14/21 05:02	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/13/21 10:30	08/14/21 05:02	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 03:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:36	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				08/14/21 09:48	08/15/21 03:36	1
o-Terphenyl	88		70 - 130				08/14/21 09:48	08/15/21 03:36	1

Method: 300.0 - Anions, Ion Cl	nromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.9	4.95	0.850 mg/Kg			08/16/21 19:46	1

Lab Sample ID: 890-1100-14 Client Sample ID: SB-30-8 Date Collected: 08/09/21 15:05 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00178	J *- *1	0.00199	0.000383	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
o-Xylene	0.00146	J	0.00199	0.000343	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
Xylenes, Total	0.00146	J	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
Total BTEX	0.00324	J *- *1	0.00398	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 10:30	08/14/21 05:23	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/13/21 10:30	08/14/21 05:23	1

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-30-8

Date Collected: 08/09/21 15:05

Date Received: 08/12/21 13:46

Sample Depth: - 8

Lab Sample ID: 890-1100-14

Matrix: Solid

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		08/14/21 09:48	08/15/21 03:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:57	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:57	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/14/21 09:48	08/15/21 03:57	1
o-Terphenyl	101		70 - 130				08/14/21 09:48	08/15/21 03:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Analyte RLPrepared Analyzed Dil Fac Chloride 2560 25.2 4.33 mg/Kg 08/16/21 20:03

Client Sample ID: SB-30-25 Lab Sample ID: 890-1100-15 **Matrix: Solid**

Date Collected: 08/09/21 15:25 Date Received: 08/12/21 13:46

Sample Depth: - 25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	0.000385	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
o-Xylene	0.000389	J	0.00200	0.000344	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
Total BTEX	<0.00400	U *- *1	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/14/21 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				08/13/21 10:30	08/14/21 05:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/13/21 10:30	08/14/21 05:43	1

Analyte	ange Organ 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		08/14/21 09:48	08/15/21 04:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 04:17	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 04:17	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 09:48	08/15/21 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/14/21 09:48	08/15/21 04:17	1
o-Terphenyl	87		70 - 130				08/14/21 09:48	08/15/21 04:17	1

Method: 300.0 - Anions, Ion Cl	hromatography -	- Soluble						
Analyte	Result Quali	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	453	4.97	0.853	mg/Kg			08/16/21 20:09	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Lab Sample ID: 890-1100-16

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-30-30

Date Collected: 08/09/21 15:30 Date Received: 08/12/21 13:46

Sample Depth: - 30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199	0.000383	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
Ethylbenzene	< 0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
o-Xylene	0.000624	J	0.00199	0.000342	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
Total BTEX	<0.00398	U *- *1	0.00398	0.00100	mg/Kg		08/13/21 10:30	08/14/21 06:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/13/21 10:30	08/14/21 06:04	1
1,4-Difluorobenzene (Surr)	81		70 - 130				08/13/21 10:30	08/14/21 06:04	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 04:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 04:38	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 04:38	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 09:48	08/15/21 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				08/14/21 09:48	08/15/21 04:38	1
o-Terphenyl	89		70 - 130				08/14/21 09:48	08/15/21 04:38	1

Method: 300.0 - Anions, Ion Cl	hromatogra _l	phy - Solul	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	354		4.99	0.857	mg/Kg			08/16/21 20:14	1

Client Sample ID: SB-26-2 Date Collected: 08/10/21 11:50 Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00158	J *- *1	0.00200	0.000384	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
Ethylbenzene	0.000594	J	0.00200	0.000564	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
Total BTEX	0.00217	J *- *1	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				08/13/21 10:30	08/14/21 06:25	1
1,4-Difluorobenzene (Surr)	125		70 - 130				08/13/21 10:30	08/14/21 06:25	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1100-17

Matrix: Solid

Matrix: Solid

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747 Client Sample ID: SB-26-2 Lab Sample ID: 890-1100-17

Date Collected: 08/10/21 11:50 Date Received: 08/12/21 13:46

Sample Depth: - 2

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		08/14/21 09:48	08/15/21 04:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 04:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 04:59	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/14/21 09:48	08/15/21 04:59	1
o-Terphenyl	85		70 - 130				08/14/21 09:48	08/15/21 04:59	1

Dil Fac **Analyte** Result Qualifier RL MDL Unit Prepared Analyzed Chloride 103 5.00 0.858 mg/Kg 08/16/21 20:20

Client Sample ID: SB-26-4 Lab Sample ID: 890-1100-18 Date Collected: 08/10/21 12:00 **Matrix: Solid**

Date Received: 08/12/21 13:46

Method: 8021B - Volatile Organic Compounds (GC)

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201	0.000387	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
Toluene	< 0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
Ethylbenzene	< 0.00201	U	0.00201	0.000567	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
m-Xylene & p-Xylene	< 0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
o-Xylene	< 0.00201	U	0.00201	0.000345	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
Xylenes, Total	< 0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
Total BTEX	<0.00402	U *- *1	0.00402	0.00101	mg/Kg		08/13/21 10:30	08/14/21 06:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/13/21 10:30	08/14/21 06:45	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/13/21 10:30	08/14/21 06:45	1
Method: 8015B NM - Diesel Ra Analyte		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Markey Looken NM - Diversin		(DDO)	(00)						
	Result	Qualifier				D	Prepared	Analyzed	Dil Fac
		Qualifier			Unit mg/Kg	<u>D</u>	Prepared 08/14/21 09:48	Analyzed 08/15/21 05:20	Dil Fac
Analyte	Result	Qualifier	RL			<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	14.9		<u>D</u>	08/14/21 09:48		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U	RL 49.8	14.9 14.9	mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48	08/15/21 05:20	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U	49.8 49.8	14.9 14.9 14.9	mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48	08/15/21 05:20 08/15/21 05:20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8 <49.8 <49.8	Qualifier U U U U	RL 49.8 49.8 49.8	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48	08/15/21 05:20 08/15/21 05:20 08/15/21 05:20	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49	Qualifier U U U U	49.8 49.8 49.8 49.8	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48	08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 08/15/21 05:20	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <	Qualifier U U U U	### ##################################	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 Prepared 08/14/21 09:48	08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 Analyzed	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.8 <49.8 <49.8 <49.8 <49.8 <800 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8	Qualifier U U U Qualifier	RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 Prepared 08/14/21 09:48	08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 Analyzed 08/15/21 05:20	Dil Fac 1 1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8 <49.8 <49.8 <49.8 <49.8 <78 <49.8 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78 <78	Qualifier U U U Qualifier	RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	14.9 14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 08/14/21 09:48 Prepared 08/14/21 09:48	08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 08/15/21 05:20 Analyzed 08/15/21 05:20	1 1 1

Eurofins Xenco, Carlsbad

8/18/2021 (Rev. 1)

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-26-15 Lab Sample ID: 890-1100-19

Date Collected: 08/10/21 12:20 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000784	J *- *1	0.00200	0.000384	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
o-Xylene	0.000398	J	0.00200	0.000343	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
Total BTEX	0.00118	J *- *1	0.00399	0.00101	mg/Kg		08/13/21 10:30	08/14/21 07:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 10:30	08/14/21 07:06	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/13/21 10:30	08/14/21 07:06	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 09:48	08/15/21 05:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 05:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 05:40	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/14/21 09:48	08/15/21 05:40	1
o-Terphenyl	87		70 - 130				08/14/21 09:48	08/15/21 05:40	1

Method: 300.0 - Anions, Ion Cl	nromatogra	phy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		24.8	4.25	mg/Kg			08/16/21 20:42	5

Lab Sample ID: 890-1100-20 Client Sample ID: SB-26-25 Date Collected: 08/10/21 12:35 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Denth: - 25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200	0.000386	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
o-Xylene	0.000362	J	0.00200	0.000345	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
Total BTEX	<0.00401	U *- *1	0.00401	0.00101	mg/Kg		08/13/21 10:30	08/14/21 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/13/21 10:30	08/14/21 07:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/13/21 10:30	08/14/21 07:27	1

Matrix: Solid

Lab Sample ID: 890-1100-20

Lab Sample ID: 890-1100-21

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-26-25

Date Collected: 08/10/21 12:35 Date Received: 08/12/21 13:46

Sample Depth: - 25

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		08/14/21 09:48	08/15/21 06:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 06:01	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 06:01	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 09:48	08/15/21 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/14/21 09:48	08/15/21 06:01	1
o-Terphenyl	87		70 - 130				08/14/21 09:48	08/15/21 06:01	1

Method: 300.0 - Anions, Ion Ch	ıromatogra	phy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	529		5.02	0.862	mg/Kg			08/16/21 20:48	1

Client Sample ID: SB-26-30 Date Collected: 08/10/21 12:45 Date Received: 08/12/21 13:46

Released to Imaging: 5/2/2022 3:37:29 PM

Sample Depth: - 30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
Xylenes, Total	< 0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/13/21 09:31	08/14/21 06:01	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/13/21 09:31	08/14/21 06:01	1

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		08/14/21 11:51	08/15/21 12:52	1
Diesel Range Organics (Over C10-C28)	15.1	J	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 12:52	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 12:52	1
Total TPH	15.1	J	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/14/21 11:51	08/15/21 12:52	1
o-Terphenyl	116		70 - 130				08/14/21 11:51	08/15/21 12:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 4.98 08/16/21 20:53 **Chloride** 219 0.855 mg/Kg

Eurofins Xenco, Carlsbad

Matrix: Solid

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1100-22

Client Sample ID: SB-25-2 Date Collected: 08/10/21 13:50 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
Toluene	0.00106	J	0.00199	0.000454	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
o-Xylene	0.000468	J	0.00199	0.000343	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
Total BTEX	0.00153	J	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/13/21 09:31	08/14/21 06:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/13/21 09:31	08/14/21 06:22	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 11:51	08/15/21 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 13:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 13:54	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/14/21 11:51	08/15/21 13:54	1
o-Terphenyl	101		70 - 130				08/14/21 11:51	08/15/21 13:54	1

Method: 300.0 - Anions, Ion Cl	nromatography - Sol	luble						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.6	5.01	0.860	mg/Kg			08/16/21 20:59	1

Lab Sample ID: 890-1100-23 Client Sample ID: SB-25-4 Date Collected: 08/10/21 13:55 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
m-Xylene & p-Xylene	0.00112	J	0.00404	0.00102	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
o-Xylene	0.000510	J	0.00202	0.000347	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
Xylenes, Total	0.00163	J	0.00404	0.00102	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
Total BTEX	0.00163	J	0.00404	0.00102	mg/Kg		08/13/21 09:31	08/14/21 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				08/13/21 09:31	08/14/21 06:42	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/13/21 09:31	08/14/21 06:42	1

Job ID: 890-1100-1 SDG: 11220747

Prepared

Analyzed

Client: GHD Services Inc. Project/Site: Flamenco #1

Result Qualifier

Client Sample ID: SB-25-4 Lab Sample ID: 890-1100-23 Date Collected: 08/10/21 13:55 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 4

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		08/14/21 11:51	08/15/21 14:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 14:15	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 14:15	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/14/21 11:51	08/15/21 14:15	1
o-Terphenyl	103		70 - 130				08/14/21 11:51	08/15/21 14:15	1

Chloride 33.6 4.95 0.850 mg/Kg 08/16/21 21:05 Client Sample ID: SB-25-15 Lab Sample ID: 890-1100-24

RL

MDL Unit

Date Collected: 08/10/21 14:10 Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
Toluene	0.00109	J	0.00200	0.000457	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
o-Xylene	0.000538	J	0.00200	0.000345	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
Total BTEX	0.00163	J	0.00401	0.00101	mg/Kg		08/13/21 09:31	08/14/21 07:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/13/21 09:31	08/14/21 07:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/13/21 09:31	08/14/21 07:03	1
- Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
O I' D O	-10.0		40.0	45.0			00/44/04 44 54	00/45/04 44 00	

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		08/14/21 11:51	08/15/21 14:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 14:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 14:36	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/14/21 11:51	08/15/21 14:36	1
o-Terphenyl	114		70 - 130				08/14/21 11:51	08/15/21 14:36	1

Method: 300.0 - Anions, Ion Ch	nromatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		5.04	0.865	mg/Kg			08/16/21 21:21	1

Eurofins Xenco, Carlsbad

Dil Fac

Matrix: Solid

8/18/2021 (Rev. 1)

Job ID: 890-1100-1

Matrix: Solid

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Lab Sample ID: 890-1100-25

Client Sample ID: SB-25-30

Date Collected: 08/10/21 14:25 Date Received: 08/12/21 13:46

Sample Depth: - 30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
Toluene	< 0.00200	U	0.00200	0.000457	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
Ethylbenzene	< 0.00200	U	0.00200	0.000566	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
o-Xylene	0.000401	J	0.00200	0.000345	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
Xylenes, Total	< 0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 09:31	08/14/21 07:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/13/21 09:31	08/14/21 07:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/13/21 09:31	08/14/21 07:23	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 11:51	08/15/21 14:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 14:57	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 14:57	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98	-	70 - 130				08/14/21 11:51	08/15/21 14:57	1
o-Terphenyl	105		70 - 130				08/14/21 11:51	08/15/21 14:57	1

Method: 300.0 - Anions, Ion Ch	nromatography - Solubl	e					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2330	25.0	4.28 mg/Kg			08/16/21 21:27	5

Client Sample ID: SB-25-40 Date Collected: 08/10/21 14:35 Date Received: 08/12/21 13:46

Sample Depth: - 40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000393	J	0.00202	0.000388	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 07:44	1
1,4-Difluorobenzene (Surr)	112		70 - 130				08/13/21 09:31	08/14/21 07:44	1

Lab Sample ID: 890-1100-26

Matrix: Solid

Eurofins Xenco, Carlsbad

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-25-40

Lab Sample ID: 890-1100-26 Date Collected: 08/10/21 14:35 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 40

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		08/14/21 11:51	08/15/21 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 15:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 15:17	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/14/21 11:51	08/15/21 15:17	1
o-Terphenyl	102		70 - 130				08/14/21 11:51	08/15/21 15:17	1

Chloride 5.00 0.858 mg/Kg Client Sample ID: SB-25-45 Lab Sample ID: 890-1100-27

RL

MDL Unit

Prepared

Analyzed

08/16/21 21:44

Date Collected: 08/10/21 14:55 Date Received: 08/12/21 13:46

Result Qualifier

90.3

Sample Depth: - 45

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg		08/13/21 09:31	08/14/21 08:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/13/21 09:31	08/14/21 08:04	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/13/21 09:31	08/14/21 08:04	1

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		08/14/21 11:51	08/15/21 15:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 15:38	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 15:38	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/14/21 11:51	08/15/21 15:38	1
o-Terphenyl	102		70 - 130				08/14/21 11:51	08/15/21 15:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.7		5.00	0.858	mg/Kg			08/16/21 21:49	1

Eurofins Xenco, Carlsbad

Dil Fac

Matrix: Solid

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1100-1 SDG: 11220747

Client Sample ID: SB-24-2

Lab Sample ID: 890-1100-28 Date Collected: 08/10/21 15:05 Matrix: Solid

Date Received: 08/12/21 13:46 Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000449	J	0.00199	0.000383	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 08:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 08:24	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/13/21 09:31	08/14/21 08:24	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 11:51	08/15/21 15:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 15:59	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 15:59	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/14/21 11:51	08/15/21 15:59	1
o-Ternhenyl	109		70 - 130				08/14/21 11:51	08/15/21 15:59	1

Method: 300.0 - Anions, Ion Ch	hromatograph	ny - Soluble						
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.6	5.00	0.858	mg/Kg			08/16/21 21:55	1

Client Sample ID: SB-24-4 Date Collected: 08/10/21 15:10 Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 09:31	08/14/21 08:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 08:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/13/21 09:31	08/14/21 08:45	1

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Lab Sample ID: 890-1100-29

Matrix: Solid

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-24-4

Lab Sample ID: 890-1100-29 Date Collected: 08/10/21 15:10

Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 4

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		08/14/21 11:51	08/15/21 16:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 16:20	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 16:20	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/14/21 11:51	08/15/21 16:20	1
o-Terphenyl	99		70 - 130				08/14/21 11:51	08/15/21 16:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit Prepared **Analyzed** Dil Fac Chloride 22.8 4.97 0.853 mg/Kg 08/16/21 22:01

Client Sample ID: SB-24-15 Lab Sample ID: 890-1100-30

Date Collected: 08/10/21 15:30 **Matrix: Solid**

Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00446		0.00201	0.000387	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
Toluene	0.0205		0.00201	0.000459	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
Ethylbenzene	0.00303		0.00201	0.000568	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
m-Xylene & p-Xylene	0.0273		0.00402	0.00102	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
o-Xylene	0.0215		0.00201	0.000346	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
Xylenes, Total	0.0488		0.00402	0.00102	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
Total BTEX	0.0768		0.00402	0.00102	mg/Kg		08/13/21 09:31	08/14/21 09:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	533	S1+	70 - 130				08/13/21 09:31	08/14/21 09:05	1
1,4-Difluorobenzene (Surr)	27	S1-	70 - 130				08/13/21 09:31	08/14/21 09:05	1
		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel R			•						
Analyte		Qualifier	•		Unit mg/Kg	<u>D</u>	Prepared 08/14/21 11:51	Analyzed 08/15/21 16:41	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U	RL 49.8	14.9	mg/Kg	<u>D</u>	08/14/21 11:51	08/15/21 16:41	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	14.9		<u>D</u>		08/15/21 16:41	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U	RL 49.8	14.9 14.9	mg/Kg	<u>D</u>	08/14/21 11:51	08/15/21 16:41	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 15.1	Qualifier U	RL 49.8 49.8	14.9 14.9 14.9	mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51	08/15/21 16:41 08/15/21 16:41	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.8 15.1 <49.8	Qualifier U J U	RL 49.8 49.8 49.8	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51	08/15/21 16:41 08/15/21 16:41 08/15/21 16:41	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.8 15.1 <49.8 15.1	Qualifier U J U	49.8 49.8 49.8 49.8	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51	08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 08/15/21 16:41	1 1 1
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8 15.1 <49.8 15.1 %Recovery	Qualifier U J U	### ##################################	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared	08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 Analyzed 08/15/21 16:41	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8 15.1 <49.8 15.1	Qualifier U J U Qualifier	RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared 08/14/21 11:51	08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 Analyzed 08/15/21 16:41	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.8 15.1 <49.8 15.1	Qualifier U J U Qualifier	RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	14.9 14.9 14.9 14.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared 08/14/21 11:51	08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 08/15/21 16:41 Analyzed 08/15/21 16:41	1

Lab Sample ID: 890-1100-31

08/14/21 11:51 08/15/21 17:23

Lab Sample ID: 890-1100-32

Matrix: Solid

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-24-25

Date Collected: 08/10/21 15:40 Date Received: 08/12/21 13:46

Sample Depth: - 25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
Ethylbenzene	< 0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
o-Xylene	0.000457	J	0.00199	0.000342	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 09:31	08/14/21 10:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 10:55	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/13/21 09:31	08/14/21 10:55	1

Method: 8015B NM - Diesel Ra	ange Organ	ics (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		08/14/21 11:51	08/15/21 17:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 17:23	1
Oll Range Organics (Over C28-C36)	19.7	J	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 17:23	1
Total TPH	19.7	J	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/14/21 11:51	08/15/21 17:23	1

Method: 300.0 - Anions, Ion C	hromatography - Solu	ble						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144	5.04	0.865	mg/Kg			08/16/21 22:12	1

70 - 130

96

Client Sample ID: SB-24-30 Date Collected: 08/10/21 15:45 Date Received: 08/12/21 13:46

Sample Depth: - 30

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
o-Xylene	0.000371	J	0.00202	0.000347	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/13/21 09:31	08/14/21 11:15	1
1,4-Difluorobenzene (Surr)	117		70 - 130				08/13/21 09:31	08/14/21 11:15	1

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1100-1 SDG: 11220747

Client Sample ID: SB-24-30

Date Collected: 08/10/21 15:45 Date Received: 08/12/21 13:46

Sample Depth: - 30

Lab Sample ID: 890-1100-32

Matrix: Solid

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		08/14/21 11:51	08/15/21 17:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 17:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 17:44	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/14/21 11:51	08/15/21 17:44	1
o-Terphenyl	99		70 - 130				08/14/21 11:51	08/15/21 17:44	1

Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac Chloride 99.0 4.98 0.855 mg/Kg 08/16/21 22:17

Client Sample ID: SB-29-2 Lab Sample ID: 890-1100-33 **Matrix: Solid**

Date Collected: 08/10/21 16:00 Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 11:36	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/13/21 09:31	08/14/21 11:36	1

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		08/14/21 11:51	08/15/21 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 18:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 18:05	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/14/21 11:51	08/15/21 18:05	1
o-Terphenyl	99		70 - 130				08/14/21 11:51	08/15/21 18:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.66		5.05	0.867	mg/Kg			08/13/21 21:05	1

Project/Site: Flamenco #1

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Client Sample ID: SB-29-4 Lab Sample ID: 890-1100-34 Date Collected: 08/10/21 16:05

Matrix: Solid

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
Xylenes, Total	< 0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 11:56	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/13/21 09:31	08/14/21 11:56	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 11:51	08/15/21 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 18:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 18:27	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 11:51	08/15/21 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/14/21 11:51	08/15/21 18:27	1
o-Terphenyl	99		70 - 130				08/14/21 11:51	08/15/21 18:27	1

Method: 300.0 - Anions, Ion Cl	hromatography	r - Soluble						
Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.50	4.98	0.855	mg/Kg			08/13/21 21:10	1

Client Sample ID: SB-29-10 Date Collected: 08/10/21 16:20

Date Received: 08/12/21 13:46

Sample Depth: - 10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
Toluene	0.000634	J	0.00202	0.000460	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
o-Xylene	0.000456	J	0.00202	0.000347	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
Xylenes, Total	< 0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
Total BTEX	0.00109	J	0.00403	0.00102	mg/Kg		08/13/21 09:31	08/14/21 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 12:16	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/13/21 09:31	08/14/21 12:16	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1100-35

Matrix: Solid

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-29-10

Lab Sample ID: 890-1100-35

Date Collected: 08/10/21 16:20 Date Received: 08/12/21 13:46 **Matrix: Solid**

Sample Depth: - 10

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		08/14/21 11:51	08/15/21 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 18:49	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 18:49	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/14/21 11:51	08/15/21 18:49	1
o-Terphenyl	97		70 - 130				08/14/21 11:51	08/15/21 18:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit Prepared Analyzed Dil Fac Chloride 630 F1 5.05 0.867 mg/Kg 08/13/21 21:15

Client Sample ID: SB-29-15 Lab Sample ID: 890-1100-36

Date Collected: 08/10/21 16:25 **Matrix: Solid**

Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00110	J	0.00200	0.000384	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
Total BTEX	0.00110	J	0.00399	0.00101	mg/Kg		08/13/21 09:31	08/14/21 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				08/13/21 09:31	08/14/21 12:37	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/13/21 09:31	08/14/21 12:37	1
Method: 8015B NM - Diesel R				MDI	1114	_	Durananad	Anabasad	D!! E -
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier			Unit mg/Kg	<u>D</u>	Prepared 08/14/21 11:51	Analyzed 08/15/21 19:10	
Analyte	Result	Qualifier U	RL	15.0		<u>D</u>		08/15/21 19:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	RL 49.9	15.0 15.0	mg/Kg	<u>D</u>	08/14/21 11:51	08/15/21 19:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U U U	49.9 49.9	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51	08/15/21 19:10 08/15/21 19:10	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51	08/15/21 19:10 08/15/21 19:10 08/15/21 19:10	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51	08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 08/15/21 19:10	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared	08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared 08/14/21 11:51	08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 Analyzed 08/15/21 19:10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared 08/14/21 11:51	08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 08/15/21 19:10 Analyzed 08/15/21 19:10	Dil Fac

Client Sample ID: SB-29-25

Date Collected: 08/10/21 16:35 Date Received: 08/12/21 13:46

Sample Depth: - 25

Client: GHD Services Inc.

Project/Site: Flamenco #1

Lab Sample ID: 890-1100-37

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
Ethylbenzene	0.00123	J	0.00201	0.000567	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
o-Xylene	0.000437	J	0.00201	0.000345	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
Total BTEX	0.00167	J	0.00402	0.00101	mg/Kg		08/13/21 09:31	08/14/21 12:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				08/13/21 09:31	08/14/21 12:57	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/13/21 09:31	08/14/21 12:57	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 11:51	08/15/21 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 19:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 19:32	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90	-	70 - 130				08/14/21 11:51	08/15/21 19:32	1
o-Terphenyl	9.3		70 - 130				08/14/21 11:51	08/15/21 19:32	1

Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	211		4.95	0.850	mg/Kg			08/13/21 21:34	1

Lab Sample ID: 890-1100-38 Client Sample ID: SB-22-2 Date Collected: 08/11/21 08:45 Matrix: Solid

Sample Depth: - 2

Date Received: 08/12/21 13:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000529	J	0.00199	0.000383	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 09:31	08/14/21 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				08/13/21 09:31	08/14/21 13:18	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/13/21 09:31	08/14/21 13:18	1

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1

Result Qualifier

323

SDG: 11220747 Lab Sample ID: 890-1100-38

Client Sample ID: SB-22-2

Date Collected: 08/11/21 08:45 Date Received: 08/12/21 13:46 Matrix: Solid

Sample Depth: - 2

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		08/14/21 11:51	08/15/21 19:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 19:54	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 19:54	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 11:51	08/15/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/14/21 11:51	08/15/21 19:54	1
o-Terphenyl	104		70 - 130				08/14/21 11:51	08/15/21 19:54	1

5.00 Client Sample ID: SB-22-4 Lab Sample ID: 890-1100-39

RL

MDL Unit

0.858 mg/Kg

Prepared

Analyzed

08/13/21 21:49

Date Collected: 08/11/21 08:50 **Matrix: Solid**

Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
Toluene	0.000463	J	0.00198	0.000451	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396	0.00100	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
o-Xylene	0.000516	J	0.00198	0.000341	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
Xylenes, Total	< 0.00396	U	0.00396	0.00100	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg		08/13/21 09:31	08/14/21 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/13/21 09:31	08/14/21 13:38	
1,4-Difluorobenzene (Surr)	111		70 - 130				08/13/21 09:31	08/14/21 13:38	1
Method: 8015B NM - Diesel R Analyte		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics		Qualifier			Unit mg/Kg	<u>D</u>	Prepared 08/14/21 11:51	Analyzed 08/15/21 20:15	Dil Fac
Method: 8015B NM - Diesel R	Result	Qualifier U	RL	15.0		<u>D</u>			
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U	RL 50.0	15.0	mg/Kg	<u>D</u>	08/14/21 11:51	08/15/21 20:15	
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U	RL 50.0	15.0 15.0	mg/Kg	<u>D</u>	08/14/21 11:51	08/15/21 20:15	
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 <50.0	Qualifier U U U	RL 50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51	08/15/21 20:15 08/15/21 20:15	1
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51	08/15/21 20:15 08/15/21 20:15 08/15/21 20:15	1
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51	08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 08/15/21 20:15	
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	8L 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared	08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 Analyzed	
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared 08/14/21 11:51	08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 Analyzed 08/15/21 20:15	Dil Fac
Method: 8015B NM - Diesel R Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 08/14/21 11:51 Prepared 08/14/21 11:51	08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 08/15/21 20:15 Analyzed 08/15/21 20:15	

Eurofins Xenco, Carlsbad

Dil Fac

8/18/2021 (Rev. 1)

Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747

Project/Site: Flamenco #1

Client Sample ID: SB-22-15 Lab Sample ID: 890-1100-40 Date Collected: 08/11/21 09:20 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 09:31	08/14/21 13:59	1
1,4-Difluorobenzene (Surr)	111		70 - 130				08/13/21 09:31	08/14/21 13:59	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 11:51	08/15/21 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 20:37	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 20:37	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/14/21 11:51	08/15/21 20:37	1
o-Terphenyl	107		70 - 130				08/14/21 11:51	08/15/21 20:37	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solul	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830		25.2	4.33	mg/Kg			08/13/21 21:59	5

Lab Sample ID: 890-1100-41 **Client Sample ID: SB-22-30** Date Collected: 08/11/21 11:40 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 10:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				08/13/21 08:34	08/14/21 10:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/13/21 08:34	08/14/21 10:50	1

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-22-30 Lab Sample ID: 890-1100-41 Date Collected: 08/11/21 11:40 **Matrix: Solid**

Date Received: 08/12/21 13:46

Sample Depth: - 30

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		08/14/21 12:06	08/15/21 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 13:54	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 13:54	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/14/21 12:06	08/15/21 13:54	1
o-Terphenyl	106		70 - 130				08/14/21 12:06	08/15/21 13:54	1

Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac Chloride 1820 24.9 4.27 mg/Kg 08/13/21 22:04

Client Sample ID: SB-22-45 Lab Sample ID: 890-1100-42

Date Collected: 08/11/21 12:20 **Matrix: Solid**

Date Received: 08/12/21 13:46

Method: 8021B - Volatile Organic Compounds (GC)

Sample Depth: - 45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
Xylenes, Total	< 0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				08/13/21 08:34	08/14/21 11:11	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/13/21 08:34	08/14/21 11:11	1
Method: 8015B NM - Diesel R Analyte		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Markey Coden Alle Division		(DDO)	(00)						
Analyte	Result	Qualifier	RL			D			Dil Fac
		Qualifier	•		Unit mg/Kg	<u>D</u>	Prepared 08/14/21 12:06	Analyzed 08/15/21 12:52	Dil Fac
Analyte	Result	Qualifier	RL 50.0	15.0	mg/Kg	<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	15.0		<u>D</u>	08/14/21 12:06		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0	Qualifier U	50.0 50.0	15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U	FL 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52 08/15/21 12:52	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0	Qualifier U	50.0 50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52 08/15/21 12:52	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 08/15/21 12:52	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60	Qualifier U U U U	8L 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 Analyzed	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 Analyzed 08/15/21 12:52	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 08/15/21 12:52 Analyzed 08/15/21 12:52	1 1 1

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-22-50 Lab Sample ID: 890-1100-43

Date Collected: 08/11/21 12:35 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:34	08/14/21 11:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/13/21 08:34	08/14/21 11:31	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:06	08/15/21 14:15	1
Diesel Range Organics (Over C10-C28)	16.8	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 14:15	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 14:15	1
Total TPH	16.8	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/14/21 12:06	08/15/21 14:15	1
o-Terphenyl	94		70 - 130				08/14/21 12:06	08/15/21 14:15	1

Method: 300.0 - Anions, Ion Ch	nromatogra	phy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		4.98	0.855	mg/Kg			08/14/21 02:33	1

Lab Sample ID: 890-1100-44 Client Sample ID: SB-19-2 Date Collected: 08/11/21 12:45 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:34	08/14/21 11:52	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/13/21 08:34	08/14/21 11:52	1

Client Sample ID: SB-19-2

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/11/21 12:45 Date Received: 08/12/21 13:46

Sample Depth: - 2

Lab Sample ID: 890-1100-44

Matrix: Solid

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		08/14/21 12:06	08/15/21 14:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 14:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 14:36	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/14/21 12:06	08/15/21 14:36	1
o-Terphenyl	99		70 - 130				08/14/21 12:06	08/15/21 14:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 123 5.00 0.858 mg/Kg 08/14/21 02:39

Client Sample ID: SB-19-4 Lab Sample ID: 890-1100-45 **Matrix: Solid**

Date Collected: 08/11/21 12:50 Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				08/13/21 08:34	08/14/21 12:12	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/13/21 08:34	08/14/21 12:12	1

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		08/14/21 12:06	08/15/21 14:57	1
Diesel Range Organics (Over C10-C28)	16.3	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 14:57	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 14:57	1
Total TPH	16.3	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/14/21 12:06	08/15/21 14:57	1
o-Terphenyl	115		70 - 130				08/14/21 12:06	08/15/21 14:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit Dil Fac D Prepared Analyzed 5.00 08/14/21 02:44 **Chloride** 0.858 mg/Kg 129

Eurofins Xenco, Carlsbad

8/18/2021 (Rev. 1)

Job ID: 890-1100-1

Matrix: Solid

Lab Sample ID: 890-1100-46

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-19-20

Date Collected: 08/11/21 13:20 Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:34	08/14/21 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/13/21 08:34	08/14/21 12:33	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/13/21 08:34	08/14/21 12:33	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:06	08/15/21 15:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 15:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 15:17	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/14/21 12:06	08/15/21 15:17	1
o-Terphenyl	113		70 - 130				08/14/21 12:06	08/15/21 15:17	1

	Method: 300.0 - Anions, Ion C	hromatogra	phy - Solul	ole						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	1250		4.99	0.857	mg/Kg			08/16/21 23:02	1

Lab Sample ID: 890-1100-47 **Client Sample ID: SB-19-45** Date Collected: 08/11/21 14:05 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
Xylenes, Total	< 0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg		08/13/21 08:34	08/14/21 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				08/13/21 08:34	08/14/21 12:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/13/21 08:34	08/14/21 12:53	1

Client: GHD Services Inc. Project/Site: Flamenco #1

Result Qualifier

Lab Sample ID: 890-1100-47

Analyzed

Prepared

Matrix: Solid

Date Collected: 08/11/21 14:05 Date Received: 08/12/21 13:46

Client Sample ID: SB-19-45

Sample Depth: - 45

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		08/14/21 12:06	08/15/21 15:38	1
Diesel Range Organics (Over C10-C28)	20.2	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 15:38	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 15:38	1
Total TPH	20.2	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/14/21 12:06	08/15/21 15:38	1
o-Terphenyl	107		70 - 130				08/14/21 12:06	08/15/21 15:38	1

Chloride 172 5.05 0.867 mg/Kg 08/16/21 23:19 Client Sample ID: SB-19-50 Lab Sample ID: 890-1100-48

RL

MDL Unit

Date Collected: 08/11/21 14:15 Date Received: 08/12/21 13:46

Sample Depth: - 50

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/13/21 08:34	08/14/21 13:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/13/21 08:34	08/14/21 13:13	1

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		08/14/21 12:06	08/15/21 15:59	1
Diesel Range Organics (Over C10-C28)	18.5	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 15:59	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 15:59	1
Total TPH	18.5	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/14/21 12:06	08/15/21 15:59	1
o-Terphenyl	94		70 - 130				08/14/21 12:06	08/15/21 15:59	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solul	ble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	53.7		4.98	0.855	mg/Kg			08/16/21 23:25	1	

Eurofins Xenco, Carlsbad

Dil Fac

Matrix: Solid

8/18/2021 (Rev. 1)

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-18-2

Lab Sample ID: 890-1100-49

Date Collected: 08/11/21 14:20 Date Received: 08/12/21 13:46

Matrix: Solid

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:34	08/14/21 13:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/13/21 08:34	08/14/21 13:34	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:06	08/15/21 16:20	1
Diesel Range Organics (Over C10-C28)	18.0	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 16:20	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 16:20	1
Total TPH	18.0	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/14/21 12:06	08/15/21 16:20	1
o-Terphenyl	93		70 - 130				08/14/21 12:06	08/15/21 16:20	1

Method: 300.0 - Anions, Ion Cl	hromatography	- Soluble						
Analyte	Result Qua	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.9	4.95	0.850	mg/Kg			08/16/21 23:30	1

Client Sample ID: SB-18-4 Date Collected: 08/11/21 14:25 Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/13/21 08:34	08/14/21 13:54	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/13/21 08:34	08/14/21 13:54	1

Lab Sample ID: 890-1100-50

Matrix: Solid

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Sample Depth: - 4

Lab Sample ID: 890-1100-50
Matrix: Solid

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		08/14/21 12:06	08/15/21 16:41	1
Diesel Range Organics (Over C10-C28)	20.3	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 16:41	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 16:41	1
Total TPH	20.3	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/14/21 12:06	08/15/21 16:41	1
o-Terphenyl	108		70 - 130				08/14/21 12:06	08/15/21 16:41	1
Method: 300.0 - Anions, Ion C	hromatogra	ıphy - Solι	ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.9		5.04		mg/Kg			08/16/21 23:36	

Client Sample ID: SB-18-30 Lab Sample ID: 890-1100-51 **Matrix: Solid**

Date Collected: 08/11/21 15:20 Date Received: 08/12/21 13:46

Sample Depth: - 30

Method: 8021B - Volatile Orga	nic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
o-Xylene	0.000349	J	0.00199	0.000343	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/13/21 08:34	08/14/21 15:16	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/13/21 08:34	08/14/21 15:16	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 17:23	1
Diesel Range Organics (Over C10-C28)	18.6	J	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 17:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 17:23	1
On range organios (over 020 000)					0 0				

Diesel Range Organics (Over C10-C28)	18.6	J	50.0	15.0	mg/Kg	08/14/21 12:06	08/15/21 17:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	08/14/21 12:06	08/15/21 17:23	1
Total TPH	18.6	J	50.0	15.0	mg/Kg	08/14/21 12:06	08/15/21 17:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	, ,						•	
1-Chlorooctane	86		70 - 130			08/14/21 12:06	08/15/21 17:23	1
							08/15/21 17:23 08/15/21 17:23	1 1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7270		49.8	8.55	mg/Kg			08/16/21 23:53	10

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8/18/2021 (Rev. 1)

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-18-55 Lab Sample ID: 890-1100-52 Date Collected: 08/11/21 16:25

Matrix: Solid

Date Received: 08/12/21 13:46 Sample Depth: - 55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:34	08/14/21 15:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/13/21 08:34	08/14/21 15:37	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:06	08/15/21 17:44	1
Diesel Range Organics (Over C10-C28)	16.5	J	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 17:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 17:44	1
Total TPH	16.5	J	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/14/21 12:06	08/15/21 17:44	1
o-Terphenyl	105		70 - 130				08/14/21 12:06	08/15/21 17:44	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	825		4.95	0.850	mg/Kg			08/16/21 23:58	1

Lab Sample ID: 890-1100-53 **Client Sample ID: SB-18-60** Date Collected: 08/11/21 16:40 Matrix: Solid

Sample Depth: - 60

Date Received: 08/12/21 13:46

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				08/13/21 08:34	08/14/21 15:57	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/13/21 08:34	08/14/21 15:57	1

Matrix: Solid

Job ID: 890-1100-1

SDG: 11220747

Lab Sample ID: 890-1100-53

Client Sample ID: SB-18-60

Date Collected: 08/11/21 16:40 Date Received: 08/12/21 13:46

Sample Depth: - 60

Client: GHD Services Inc.

Project/Site: Flamenco #1

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		08/14/21 12:06	08/15/21 18:05	1
Diesel Range Organics (Over C10-C28)	15.7	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 18:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 18:05	1
Total TPH	15.7	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/14/21 12:06	08/15/21 18:05	1
o-Terphenyl	127		70 - 130				08/14/21 12:06	08/15/21 18:05	1

Method: 300.0 - Anions, Ion Chro	matography - Solub	le						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	741	5.00	0.858	mg/Kg			08/17/21 00:04	1
Client Sample ID: SB-21A-2					L	ab Samp	e ID: 890-11	00-54

Client Sample ID: SB-21A-2 Date Collected: 08/11/21 16:50 Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
Toluene	< 0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
Ethylbenzene	< 0.00201	U	0.00201	0.000567	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
o-Xylene	< 0.00201	U	0.00201	0.000345	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				08/13/21 08:34	08/14/21 16:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/13/21 08:34	08/14/21 16:18	1

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		08/14/21 12:06	08/15/21 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 18:27	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 18:27	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/14/21 12:06	08/15/21 18:27	1
o-Terphenyl	115		70 - 130				08/14/21 12:06	08/15/21 18:27	1

RL

4.97

MDL Unit

0.853 mg/Kg

08/17/21 00:10

Analyzed

Prepared

Eurofins Xenco, Carlsbad

Result Qualifier

778

Dil Fac

Analyte

Chloride

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1100-55

Client Sample ID: SB-21A-4 Date Collected: 08/11/21 16:55 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:34	08/14/21 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:34	08/14/21 16:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/13/21 08:34	08/14/21 16:38	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:06	08/15/21 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 18:49	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 18:49	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/14/21 12:06	08/15/21 18:49	1
o-Terphenyl	104		70 - 130				08/14/21 12:06	08/15/21 18:49	1

Method: 300.0 - Anions, Ion Cl	hromatograp	hy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	692		5.00	0.858	mg/Kg			08/17/21 00:15	1

Lab Sample ID: 890-1100-56 **Client Sample ID: SB-21A-15** Matrix: Solid

Date Collected: 08/11/21 17:20 Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/13/21 08:34	08/14/21 16:59	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/13/21 08:34	08/14/21 16:59	1

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-21A-15 Lab Sample ID: 890-1100-56 Date Collected: 08/11/21 17:20

Matrix: Solid

Date Received: 08/12/21 13:46 Sample Depth: - 15

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		08/14/21 12:06	08/15/21 19:10	1
Diesel Range Organics (Over C10-C28)	15.8	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 19:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 19:10	1
Total TPH	15.8	J	49.9	15.0	mg/Kg		08/14/21 12:06	08/15/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/14/21 12:06	08/15/21 19:10	1
o-Terphenyl	87		70 - 130				08/14/21 12:06	08/15/21 19:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit Prepared **Analyzed** Dil Fac Chloride 7080 F1 49.6 8.51 mg/Kg 08/17/21 00:21

Client Sample ID: SB-21A-35 Lab Sample ID: 890-1100-57

Date Collected: 08/11/21 17:50 **Matrix: Solid**

Date Received: 08/12/21 13:46

Sample Depth: - 35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
Toluene	< 0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
o-Xylene	< 0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:34	08/14/21 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				08/13/21 08:34	08/14/21 17:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/13/21 08:34	08/14/21 17:19	1
: Method: 8015B NM - Diesel R Analyte		ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
: Method: 8015R NM - Diesel R	ange Organi	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL			<u>D</u>			Dil Fac
Analyte Gasoline Range Organics		Qualifier	•		Unit mg/Kg	<u>D</u>	Prepared 08/14/21 12:06		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	RL	15.0	mg/Kg	<u>D</u>	08/14/21 12:06		
Analyte Gasoline Range Organics	Result	Qualifier U	RL 50.0	15.0		<u>D</u>	08/14/21 12:06	08/15/21 19:32	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL 50.0	15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06	08/15/21 19:32	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 16.3	Qualifier U	FL 50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 19:32 08/15/21 19:32	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result < 50.0 16.3 < 50.0	Qualifier U J U	RL 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 19:32 08/15/21 19:32 08/15/21 19:32	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <50.0 16.3 <50.0 16.3	Qualifier U J U	FL 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 08/15/21 19:32	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result <50.0 16.3 <50.0 16.3	Qualifier U J U	8L 50.0 50.0 50.0 50.0 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 Analyzed	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <50.0 16.3 <50.0 16.3	Qualifier U J U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u> _	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 Analyzed 08/15/21 19:32	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0 16.3 <50.0 16.3	Qualifier U J U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 08/15/21 19:32 Analyzed 08/15/21 19:32	Dil Fac

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1100-58

Client Sample ID: SB-21A-55 Date Collected: 08/11/21 18:50 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:34	08/14/21 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:34	08/14/21 17:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/13/21 08:34	08/14/21 17:39	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:06	08/15/21 19:54	1
Diesel Range Organics (Over C10-C28)	15.4	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 19:54	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 19:54	1
Total TPH	15.4	J	49.8	14.9	mg/Kg		08/14/21 12:06	08/15/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/14/21 12:06	08/15/21 19:54	1
o-Terphenyl	102		70 - 130				08/14/21 12:06	08/15/21 19:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		5.05	0.867	mg/Kg			08/17/21 00:43	1

Lab Sample ID: 890-1100-59 Client Sample ID: SB-21A-60 Date Collected: 08/11/21 19:00

Date Received: 08/12/21 13:46

Sample Depth: - 60

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:34	08/14/21 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/13/21 08:34	08/14/21 18:00	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/13/21 08:34	08/14/21 18:00	1

Matrix: Solid

Lab Sample ID: 890-1100-59

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-21A-60

Date Collected: 08/11/21 19:00 Date Received: 08/12/21 13:46

Sample Depth: - 60

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		08/14/21 12:06	08/15/21 20:15	1
Diesel Range Organics (Over C10-C28)	15.7	J	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 20:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 20:15	1
Total TPH	15.7	J	50.0	15.0	mg/Kg		08/14/21 12:06	08/15/21 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/14/21 12:06	08/15/21 20:15	1
o-Terphenyl	96		70 - 130				08/14/21 12:06	08/15/21 20:15	1

Method: 300.0 - Anions, ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	77.8	5.01	0.860	mg/Kg			08/17/21 01:00	1

Lab Sample ID: 890-1100-60 Client Sample ID: SB-28-2 Date Collected: 08/10/21 10:20 **Matrix: Solid**

Date Received: 08/12/21 13:46

Method: 8021B - Volatile Organic Compounds (GC)

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:34	08/14/21 18:20	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:34	08/14/21 18:20	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:34	08/14/21 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 18:20	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:34	08/14/21 18:20	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 18:20	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:34	08/14/21 18:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				08/13/21 08:34	08/14/21 18:20	
1,4-Difluorobenzene (Surr)	99		70 - 130				08/13/21 08:34	08/14/21 18:20	1
Method: 8015B NM - Diesel Ra Analyte		ics (DRO) Qualifier	(<mark>GC)</mark>	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: 8015B NM - Diesel Ra	ange Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL			D			Dil Fac
Analyte Gasoline Range Organics		Qualifier			Unit mg/Kg	<u>D</u>	Prepared 08/14/21 12:06	Analyzed 08/15/21 20:37	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	RL 50.0	15.0	mg/Kg	<u>D</u>	08/14/21 12:06	08/15/21 20:37	Dil Fa
Analyte Gasoline Range Organics	Result	Qualifier U	RL	15.0		<u>D</u>	08/14/21 12:06		Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0	Qualifier U	RL 50.0	15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06	08/15/21 20:37	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 <50.0	Qualifier U U U	FL 50.0	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 20:37 08/15/21 20:37	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 20:37 08/15/21 20:37 08/15/21 20:37	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	FL 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06	08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <50.0 <50.0 <50.0 <50.0 <50.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60.0 <60	Qualifier U U U U	8L 50.0 50.0 50.0 50.0	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 Analyzed 08/15/21 20:37	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U Qualifier	8L 50.0 50.0 50.0 50.0 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 08/14/21 12:06 Prepared 08/14/21 12:06	08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 08/15/21 20:37 Analyzed 08/15/21 20:37	Dil Fac

Client: GHD Services Inc. Project/Site: Flamenco #1

Date Received: 08/12/21 13:46

Client Sample ID: SB-28-4 Lab Sample ID: 890-1100-61 Date Collected: 08/10/21 10:25

Matrix: Solid

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
Toluene	0.000535	J	0.00199	0.000454	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
m-Xylene & p-Xylene	0.00102	J	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
Xylenes, Total	0.00102	J	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
Total BTEX	0.00156	J	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				08/13/21 08:46	08/14/21 13:44	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/13/21 08:46	08/14/21 13:44	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:26	08/15/21 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 12:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 12:15	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/14/21 12:26	08/15/21 12:15	1
o-Terphenyl	87		70 - 130				08/14/21 12:26	08/15/21 12:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	357		4.95	0.850	mg/Kg			08/17/21 01:11	1

Lab Sample ID: 890-1100-62 Client Sample ID: SB-28-20 Date Collected: 08/10/21 10:50 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
Toluene	0.00100	J	0.00200	0.000457	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
o-Xylene	0.000387	J	0.00200	0.000345	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
Total BTEX	0.00139	J	0.00401	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/13/21 08:46	08/14/21 14:05	1
1.4-Difluorobenzene (Surr)	97		70 - 130				08/13/21 08:46	08/14/21 14:05	1

Lab Sample ID: 890-1100-62

Job ID: 890-1100-1 SDG: 11220747

Client Sample ID: SB-28-20

Date Collected: 08/10/21 10:50 Da

Sa

Client: GHD Services Inc.

Project/Site: Flamenco #1

Pate Collected: 08/10/21 10:50	Matrix: Solid
Oate Received: 08/12/21 13:46	
Sample Depth: - 20	
Mothed: 9045B NM Discal Bonco Organico (DBO) (CC)	

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		08/14/21 12:26	08/15/21 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 13:18	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 13:18	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/14/21 12:26	08/15/21 13:18	1
o-Terphenyl	85		70 - 130				08/14/21 12:26	08/15/21 13:18	1

Analyte Result Qualifier RLMDL Unit Prepared Analyzed Chloride 3310 25.3 4.33 mg/Kg 08/17/21 01:17 Lab Sample ID: 890-1100-63

Client Sample ID: SB-28-25 Date Collected: 08/10/21 10:55 Date Received: 08/12/21 13:46

Sample Depth: - 25

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
o-Xylene	0.000343	J	0.00200	0.000343	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/13/21 08:46	08/14/21 14:25	1

70 - 130

89

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		08/14/21 12:26	08/15/21 13:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 13:40	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 13:40	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				08/14/21 12:26	08/15/21 13:40	1
o-Terphenvl	78		70 - 130				08/14/21 12:26	08/15/21 13:40	1

 Method: 300.0 - Anions, Ion Ch	romatograp	ohy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		24.9	4.27	mg/Kg			08/17/21 01:22	5

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08/13/21 08:46 08/14/21 14:25

Matrix: Solid

Project/Site: Flamenco #1 Client Sample ID: SB-28-40 Lab Sample ID: 890-1100-64

Date Collected: 08/10/21 11:30 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 40

Client: GHD Services Inc.

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/13/21 08:46	08/14/21 14:46	1
1,4-Difluorobenzene (Surr)	116		70 - 130				08/13/21 08:46	08/14/21 14:46	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:26	08/15/21 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 14:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 14:01	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/14/21 12:26	08/15/21 14:01	1
o-Terphenyl	84		70 - 130				08/14/21 12:26	08/15/21 14:01	1

Method: 300.0 - Anions, Ion Cl	hromatography -	Soluble						
Analyte	Result Qualif	fier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580	5.00	0.858	mg/Kg			08/17/21 01:28	1

Lab Sample ID: 890-1100-65 **Client Sample ID: SB-28-45** Date Collected: 08/10/21 11:45 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 45

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/13/21 08:46	08/14/21 15:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/13/21 08:46	08/14/21 15:07	1

Project/Site: Flamenco #1

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Client Sample ID: SB-28-45 Lab Sample ID: 890-1100-65 Date Collected: 08/10/21 11:45

Matrix: Solid

Sample Depth: - 45

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		08/14/21 12:26	08/15/21 14:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 14:22	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 14:22	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/14/21 12:26	08/15/21 14:22	1
o-Terphenyl	84		70 - 130				08/14/21 12:26	08/15/21 14:22	1

Analyte Result Qualifier RLMDL Unit Prepared **Analyzed** Dil Fac Chloride 308 5.00 0.858 mg/Kg 08/17/21 01:34

Client Sample ID: SB-40A-2 Lab Sample ID: 890-1100-66 Date Collected: 08/12/21 08:05

Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	\overline{U}	0.00202	0.000389	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
Toluene	< 0.00202	U	0.00202	0.000461	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
Ethylbenzene	0.00132	J	0.00202	0.000571	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
Xylenes, Total	< 0.00404	U	0.00404	0.00102	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
Total BTEX	0.00132	J	0.00404	0.00102	mg/Kg		08/13/21 08:46	08/14/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/13/21 08:46	08/14/21 15:28	1
1,4-Difluorobenzene (Surr)	107		70 - 130				08/13/21 08:46	08/14/21 15:28	1
Analyte	Result								DH E
Method: 8015B NM - Diesel R Analyte		Qualifier	RL	MDI	Unit	_	Duamanad		
Gasoline Range Organics						D	Prepared 08/14/21 12:26	Analyzed 08/15/21 14:44	Dil Fac
(GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg	<u>D</u>	08/14/21 12:26	08/15/21 14:44	1
(GRO)-C6-C10 Diesel Range Organics (Over		U		15.0		<u>D</u>	08/14/21 12:26		
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:26 08/14/21 12:26	08/15/21 14:44	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9	U U	49.9	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/14/21 12:26 08/14/21 12:26	08/15/21 14:44 08/15/21 14:44	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	<49.9 <49.9 <49.9	U U U	49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:26 08/14/21 12:26 08/14/21 12:26	08/15/21 14:44 08/15/21 14:44 08/15/21 14:44	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	<49.9 <49.9 <49.9 <49.9	U U U	49.9 49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 08/14/21 12:26	08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 08/15/21 14:44	1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	<49.9 <49.9 <49.9 <49.9 %Recovery	U U U	49.9 49.9 49.9 Limits	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 Prepared	08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 Analyzed	1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	<49.9 <49.9 <49.9 <49.9 %Recovery 74 77	U U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	D	08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 Prepared 08/14/21 12:26	08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 Analyzed 08/15/21 14:44	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	<49.9 <49.9 <49.9 <49.9 <49.9 %Recovery 74 77 Chromatogra	U U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 08/14/21 12:26 Prepared 08/14/21 12:26	08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 08/15/21 14:44 Analyzed 08/15/21 14:44	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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8/18/2021 (Rev. 1)

Job ID: 890-1100-1

Matrix: Solid

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Lab Sample ID: 890-1100-67

08/13/21 08:46 08/14/21 15:48

08/14/21 12:26 08/15/21 15:05

08/17/21 08:18

Matrix: Solid

Lab Sample ID: 890-1100-68

Client Sample ID: SB-40A-4

Date Collected: 08/12/21 08:10 Date Received: 08/12/21 13:46

Sample Depth: - 4

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg		08/13/21 08:46	08/14/21 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:46	08/14/21 15:48	1

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		08/14/21 12:26	08/15/21 15:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 15:05	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 15:05	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

113

22.9

o-Terphenyl	77	70 - 130		C	08/14/21 12:26	08/15/21 15:05	1
Method: 300.0 - Anions, Ion Chro	matography - Solubl	e					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

5.04

0.865 mg/Kg

70 - 130

Client Sample ID: SB-40A-10

Date Collected: 08/12/21 08:40 Date Received: 08/12/21 13:46

Sample Depth: - 10

1-Chlorooctane

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000527	J	0.00201	0.000387	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
Ethylbenzene	0.00111	J	0.00201	0.000567	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
o-Xylene	0.000603	J	0.00201	0.000345	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
Total BTEX	0.00224	J	0.00402	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/13/21 08:46	08/14/21 16:09	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/13/21 08:46	08/14/21 16:09	1

Lab Sample ID: 890-1100-68

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-40A-10

Date Collected: 08/12/21 08:40 Date Received: 08/12/21 13:46

Sample Depth: - 10

Method: 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:26	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:26	1

				5 5			
Surrogate	%Recovery	Qualifier	Limits	Prepar	ed	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	08/14/21	12:26	08/15/21 15:26	1
o-Terphenyl	82		70 - 130	08/14/21	12:26	08/15/21 15:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit Prepared Analyzed Dil Fac Chloride 120 5.01 0.860 mg/Kg 08/17/21 08:23

Client Sample ID: SB-40A-20 Lab Sample ID: 890-1100-69 Date Collected: 08/12/21 08:50 **Matrix: Solid**

Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00161	J	0.00201	0.000387	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
Toluene	0.00287		0.00201	0.000458	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
m-Xylene & p-Xylene	0.00126	J	0.00402	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
o-Xylene	0.000887	J	0.00201	0.000345	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
Xylenes, Total	0.00215	J	0.00402	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
Total BTEX	0.00663		0.00402	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84	70 - 130	08/13/21 08:46	08/14/21 16:30	1
1,4-Difluorobenzene (Surr)	109	70 - 130	08/13/21 08:46	08/14/21 16:30	1

Method: 801	5B NM - Diesel Range	Organics (DRO) (GC)
Analyto		Posult Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:48	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:48	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/14/21 12:26	08/15/21 15:48	1
o-Terphenyl	89		70 - 130				08/14/21 12:26	08/15/21 15:48	1

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Method: 300.0 - Anions, Ion Ch	ıromatography - Solubl	le						
Analyte	Result Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Chloride	398	4.97	0.853 r	mg/Kg			08/17/21 08:29	1

Job ID: 890-1100-1

Lab Sample ID: 890-1100-70

Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-40A-25

Date Collected: 08/12/21 08:55 Date Received: 08/12/21 13:46

Sample Depth: - 25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00427		0.00200	0.000384	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
Total BTEX	0.00427		0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130				08/13/21 08:46	08/14/21 16:51	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130				08/13/21 08:46	08/14/21 16:51	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:26	08/15/21 16:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 16:09	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 16:09	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				08/14/21 12:26	08/15/21 16:09	1
o-Terphenyl	72		70 - 130				08/14/21 12:26	08/15/21 16:09	1

Method: 300.0 - Anions, Ion C	hromatography -	- Soluble						
Analyte	Result Quali	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148	4.95	0.850	mg/Kg			08/17/21 08:35	1

Client Sample ID: SB-27A-2 Date Collected: 08/12/21 09:10 Date Received: 08/12/21 13:46

Released to Imaging: 5/2/2022 3:37:29 PM

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00130	J	0.00200	0.000385	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
Total BTEX	0.00130	J	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/13/21 08:46	08/14/21 18:17	1
1.4-Difluorobenzene (Surr)	107		70 - 130				08/13/21 08:46	08/14/21 18:17	1

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Lab Sample ID: 890-1100-71

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1100-71

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-27A-2

Date Collected: 08/12/21 09:10 Date Received: 08/12/21 13:46

Sample Depth: - 2

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		08/14/21 12:26	08/15/21 16:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 16:51	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 16:51	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 16:51	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77	70 - 130	08/14/21 12:26	08/15/21 16:51	1
o-Terphenyl	83	70 - 130	08/14/21 12:26	08/15/21 16:51	1

Method: 300.0 - Anions, Ion C	Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		4.95	0.850	mg/Kg			08/17/21 08:51	1

Client Sample ID: SB-27A-4 Lab Sample ID: 890-1100-72

Date Collected: 08/12/21 09:15 Date Received: 08/12/21 13:46

Sample Depth: - 4

Mothod: 90241	2 Volatile	Organic	Compounds	(CC)	
Method: 80211	5 - Volatile	Organic	Compounds	(GC)	•

	g	()							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00244		0.00199	0.000383	mg/Kg		08/13/21 08:46	08/14/21 18:37	1
Toluene	< 0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 08:46	08/14/21 18:37	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 08:46	08/14/21 18:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:46	08/14/21 18:37	1
o-Xylene	0.000917	J	0.00199	0.000342	mg/Kg		08/13/21 08:46	08/14/21 18:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:46	08/14/21 18:37	1
Total BTEX	0.00336	J	0.00398	0.00100	mg/Kg		08/13/21 08:46	08/14/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/13/21 08:46	08/14/21 18:37	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/13/21 08:46	08/14/21 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:13	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:13	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				08/14/21 12:26	08/15/21 17:13	1

_					
o-Terphenyl	75	70 - 130	08/14/21 12:26 08/15	5/21 17:13 1	
1-Chlorooctane	74	70 - 130	08/14/21 12:26 08/15	0/21 17:13 1	

Method: 300.0 - Anions, Ion Chromatography - Soluk	Method: 300.0	- Anions.	Ion Chromatog	raphy - Soluble
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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	22.4	5.04	0.865 mg/Kg			08/17/21 08:57	1	

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Client Sample ID: SB-27A-10 Lab Sample ID: 890-1100-73

Matrix: Solid

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/12/21 09:40

Sample Depth: - 10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00282		0.00201	0.000387	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
Total BTEX	0.00282	J	0.00402	0.00102	mg/Kg		08/13/21 08:46	08/14/21 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/13/21 08:46	08/14/21 18:58	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/13/21 08:46	08/14/21 18:58	1

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		08/14/21 12:26	08/15/21 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:34	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/14/21 12:26	08/15/21 17:34	1
o-Terphenyl	85		70 - 130				08/14/21 12:26	08/15/21 17:34	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.0		4.98	0.855	mg/Kg			08/17/21 09:03	1

Lab Sample ID: 890-1100-74 **Client Sample ID: SB-27A-15** Date Collected: 08/12/21 09:45 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
o-Xylene	0.000440	J	0.00199	0.000343	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/13/21 08:46	08/14/21 19:19	1
1.4-Difluorobenzene (Surr)	104		70 - 130				08/13/21 08:46	08/14/21 19:19	1

Client: GHD Services Inc.

Project/Site: Flamenco #1

SDG

Client Sample ID: SB-27A-15

Date Collected: 08/12/21 09:45 Date Received: 08/12/21 13:46

Sample Depth: - 15

Lab Sample ID: 890-1100-74

Matrix: Solid

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		08/14/21 12:26	08/15/21 17:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:55	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				08/14/21 12:26	08/15/21 17:55	1
o-Terphenyl	78		70 - 130				08/14/21 12:26	08/15/21 17:55	1

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride2314.950.850mg/Kg08/17/21 09:081

Client Sample ID: SB-27A-20 Lab Sample ID: 890-1100-75

Date Collected: 08/12/21 09:50 Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
Toluene	< 0.00199	U	0.00199	0.000454	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
Ethylbenzene	< 0.00199	U	0.00199	0.000563	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
m-Xylene & p-Xylene	0.00203	J	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
o-Xylene	< 0.00199	U	0.00199	0.000343	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
Xylenes, Total	0.00203	J	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
Total BTEX	0.00203	J	0.00398	0.00101	mg/Kg		08/13/21 08:46	08/14/21 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/13/21 08:46	08/14/21 19:40	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/13/21 08:46	08/14/21 19:40	1
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel R	_		• •	MDI	1144	_	Drawarad	Amalumad	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 18:17	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 18:17	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 18:17	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				08/14/21 12:26	08/15/21 18:17	1
			70 100				08/14/21 12:26	00/45/04 40:47	
o-Terphenyl	70		70 - 130				00/14/21 12.20	06/15/21 16.17	1
o-Terphenyl Method: 300.0 - Anions, Ion C		phy - Solu					00/14/21 12.20	06/15/21 16.17	1
, ,	hromatogra	phy - Solu Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac

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08/17/21 09:14

5.05

0.867 mg/Kg

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224

Chloride

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-21B-2

Lab Sample ID: 890-1100-76 Date Collected: 08/12/21 10:00 Matrix: Solid Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00244		0.00198	0.000382	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
o-Xylene	0.000700	J	0.00198	0.000341	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
Xylenes, Total	< 0.00397	U	0.00397	0.00100	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
Total BTEX	0.00314	J	0.00397	0.00100	mg/Kg		08/13/21 08:46	08/14/21 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:46	08/14/21 20:01	1
1,4-Difluorobenzene (Surr)	70		70 - 130				08/13/21 08:46	08/14/21 20:01	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:26	08/15/21 18:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 18:38	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 18:38	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/14/21 12:26	08/15/21 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	56	S1-	70 - 130				08/14/21 12:26	08/15/21 18:38	1
o-Terphenyl	54	S1-	70 - 130				08/14/21 12:26	08/15/21 18:38	1

Method: 300.0 - Anions, Ion Ch	romatography -	- Soluble						
Analyte	Result Qualif	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.9	5.01	0.860	mg/Kg			08/17/21 09:19	1

Client Sample ID: SB-21B-4 Date Collected: 08/12/21 10:05

Date Received: 08/12/21 13:46

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
Ethylbenzene	0.00147	J	0.00200	0.000565	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
Total BTEX	0.00147	J	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:46	08/14/21 20:21	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/13/21 08:46	08/14/21 20:21	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1100-77 Matrix: Solid

Project/Site: Flamenco #1 Client Sample ID: SB-21B-4 Lab Sample ID: 890-1100-77

20.9

Date Collected: 08/12/21 10:05 Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Matrix: Solid

08/17/21 09:36

Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:00	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:00	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:00	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				08/14/21 12:26	08/15/21 19:00	1
o-Terphenyl	50	S1-	70 - 130				08/14/21 12:26	08/15/21 19:00	1

Client Sample ID: SB-21B-6 Lab Sample ID: 890-1100-78

4.98

0.855 mg/Kg

Date Collected: 08/12/21 10:20 **Matrix: Solid**

Date Received: 08/12/21 13:46

Method: 8021B - Volatile Organic Compounds (GC)

Sample Depth: - 6

Chloride

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00199	U	0.00199	0.000383	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
< 0.00199	U	0.00199	0.000453	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
<0.00199	U	0.00199	0.000562	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
< 0.00199	U	0.00199	0.000342	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
<0.00398	U	0.00398	0.00100	mg/Kg		08/13/21 08:46	08/14/21 20:42	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
99		70 - 130				08/13/21 08:46	08/14/21 20:42	1
119		70 - 130				08/13/21 08:46	08/14/21 20:42	1
ange Organ	ics (DRO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 19:22	1
<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 19:22	1
<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 19:22	1
<49.8	U	49.8	14.9	mg/Kg		08/14/21 12:26	08/15/21 19:22	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
65	S1-	70 - 130				08/14/21 12:26	08/15/21 19:22	1
72		70 - 130				08/14/21 12:26	08/15/21 19:22	1
Chromatogra	ıphy - Solı	ıble						
_	phy - Solu Qualifier	ıble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
-	<pre><0.00199 <0.00199 <0.00199 <0.00398 <0.00398 <0.00398 <0.00398 %Recovery 99 119 cange Organ Result <49.8 <49.8 <49.8 <49.8 </pre> <pre>%Recovery 65</pre>	119 Result Qualifier <49.8 U <49.8 U <49.8 U <49.8 U <49.8 U <89.8 U <89.8 U <89.8 U <89.8 U <89.8 U <89.8 U <89.8 U	Concentration Concentratio	Condisor Condisor	Condisor	Condisposition Cond	Concord Conc	Concord Conc

Project/Site: Flamenco #1 **Client Sample ID: SB-21B-15**

Date Collected: 08/12/21 10:35 Date Received: 08/12/21 13:46

Sample Depth: - 15

Client: GHD Services Inc.

Lab Sample ID: 890-1100-79

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000636	J	0.00200	0.000384	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
Ethylbenzene	0.000761	J	0.00200	0.000564	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
Total BTEX	0.00140	J	0.00399	0.00101	mg/Kg		08/13/21 08:46	08/14/21 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/13/21 08:46	08/14/21 21:03	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130				08/13/21 08:46	08/14/21 21:03	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/14/21 12:26	08/15/21 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:43	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/14/21 12:26	08/15/21 19:43	1
o-Terphenyl	80		70 - 130				08/14/21 12:26	08/15/21 19:43	1

Method: 300.0 - Anions, Ion Cl	hromatogra	phy - Solul	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.97	0.853	mg/Kg			08/17/21 09:59	1

Client Sample ID: SB-21B-20 Date Collected: 08/12/21 10:40

Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00107	J	0.00200	0.000384	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
Ethylbenzene	0.000844	J	0.00200	0.000564	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
Total BTEX	0.00191	J	0.00399	0.00101	mg/Kg		08/13/21 08:47	08/14/21 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/13/21 08:47	08/14/21 21:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/13/21 08:47	08/14/21 21:24	1

Lab Sample ID: 890-1100-80

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1100-80

Lab Sample ID: 890-1100-81

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-21B-20

Date Collected: 08/12/21 10:40 Date Received: 08/12/21 13:46

Sample Depth: - 20

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		08/14/21 12:26	08/15/21 20:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 20:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 20:04	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130				08/14/21 12:26	08/15/21 20:04	1
o-Terphenyl	64	S1-	70 - 130				08/14/21 12:26	08/15/21 20:04	1

Method: 300.0 - Anions, Ion Ch	ıromatography - Solı	uble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189	5.00	0.858 mg/Kg			08/17/21 10:04	1

Client Sample ID: SB-21C-2 Date Collected: 08/12/21 11:20 Date Received: 08/12/21 13:46

Sample Depth: - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200	0.000384	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
Toluene	< 0.00200	U F2 F1	0.00200	0.000455	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
Ethylbenzene	<0.00200	U F2 F1	0.00200	0.000564	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.00399	0.00101	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
o-Xylene	< 0.00200	U F2 F1	0.00200	0.000343	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
Xylenes, Total	< 0.00399	U F2 F1	0.00399	0.00101	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
Total BTEX	<0.00399	U F2 F1	0.00399	0.00101	mg/Kg		08/14/21 10:00	08/14/21 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/14/21 10:00	08/14/21 21:44	1
1.4-Difluorobenzene (Surr)	95		70 - 130				08/14/21 10:00	08/14/21 21:44	1

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		08/16/21 08:50	08/16/21 13:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 13:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 13:15	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/16/21 08:50	08/16/21 13:15	1
o-Terphenyl	96		70 - 130				08/16/21 08:50	08/16/21 13:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit Dil Fac Prepared Analyzed 5.00 08/17/21 10:10 **Chloride** 46.2 0.858 mg/Kg

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-21C-4 Lab Sample ID: 890-1100-82 Date Collected: 08/12/21 11:25

Matrix: Solid

Date Received: 08/12/21 13:46 Sample Depth: - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/14/21 10:00	08/14/21 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				08/14/21 10:00	08/14/21 22:04	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/14/21 10:00	08/14/21 22:04	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/16/21 08:50	08/16/21 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		08/16/21 08:50	08/16/21 14:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		08/16/21 08:50	08/16/21 14:17	1
Total TPH	<49.9	U	49.9	15.0	mg/Kg		08/16/21 08:50	08/16/21 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/16/21 08:50	08/16/21 14:17	1
o-Terphenyl	95		70 - 130				08/16/21 08:50	08/16/21 14:17	1

Method: 300.0 - Anions, Ion Cl	hromatogra	ohy - Solul	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.8		4.98	0.855	mg/Kg			08/17/21 10:16	1

Lab Sample ID: 890-1100-83 Client Sample ID: SB-21C-6 Date Collected: 08/12/21 11:30

Matrix: Solid

Date Received: 08/12/21 13:46 Sample Depth: - 6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
Xylenes, Total	< 0.00399	U	0.00399	0.00101	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg		08/14/21 10:00	08/14/21 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				08/14/21 10:00	08/14/21 22:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/14/21 10:00	08/14/21 22:25	1

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1
SDG: 11220747

Client Sample ID: SB-21C-6 Lab Sample ID: 890-1100-83

Date Collected: 08/12/21 11:30 Matrix: Solid
Date Received: 08/12/21 13:46

Sample Depth: - 6

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		08/16/21 08:50	08/16/21 14:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/16/21 08:50	08/16/21 14:38	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/16/21 08:50	08/16/21 14:38	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/16/21 08:50	08/16/21 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/16/21 08:50	08/16/21 14:38	1
o-Terphenyl	95		70 - 130				08/16/21 08:50	08/16/21 14:38	1

Method: 300.0 - Anions, Ion Ch	nromatogra	phy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.95	0.850	mg/Kg			08/17/21 10:21	1

Client Sample ID: SB-21C-15

Lab Sample ID: 890-1100-84

Date Collected: 08/12/21 11:45

Matrix: Solid

Date Received: 08/12/21 13:46

Sample Depth: - 15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
Xylenes, Total	< 0.00404	U	0.00404	0.00102	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg		08/14/21 10:00	08/14/21 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				08/14/21 10:00	08/14/21 22:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/14/21 10:00	08/14/21 22:45	1
Method: 8015B NM - Diesel R Analyte	_			MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mothod: 9015P NM Diocol P	ango Organ	ice (DBO)	(CC)						
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared 00/10/10/10	Analyzed	Dil Fac
Analyte Gasoline Range Organics	_	Qualifier			Unit mg/Kg	<u>D</u>	Prepared 08/16/21 08:50	Analyzed 08/16/21 14:59	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	15.0		<u>D</u>	08/16/21 08:50		
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier U	RL 49.9	15.0 15.0	mg/Kg	<u> </u>	08/16/21 08:50	08/16/21 14:59	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 <49.9	Qualifier U	RL 49.9 49.9	15.0 15.0 15.0	mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50	08/16/21 14:59 08/16/21 14:59 08/16/21 14:59	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50	08/16/21 14:59 08/16/21 14:59 08/16/21 14:59	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 08/16/21 08:50	08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 08/16/21 14:59	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80 <80	Qualifier U U U U	RL 49.9 49.9 49.9 49.9 <i>Limits</i>	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 Prepared	08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 Analyzed 08/16/21 14:59	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <9.9 <9.9 <9.9 <9.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <	Qualifier U U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 Prepared 08/16/21 08:50	08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 Analyzed 08/16/21 14:59	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9 <49.9 <49.9 <49.9 <49.9 <92 99 <6 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95 <95	Qualifier U U U Qualifier	RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 Prepared 08/16/21 08:50	08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 08/16/21 14:59 Analyzed 08/16/21 14:59	Dil Fac

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mis Acrico, Garisbac

Matrix: Solid

Lab Sample ID: 890-1100-85

Client Sample Results

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-21C-20

Date Collected: 08/12/21 11:50 Date Received: 08/12/21 13:46

Sample Depth: - 20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
Ethylbenzene	< 0.00199	U	0.00199	0.000562	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
o-Xylene	< 0.00199	U	0.00199	0.000342	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg		08/14/21 10:00	08/14/21 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				08/14/21 10:00	08/14/21 23:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/14/21 10:00	08/14/21 23:05	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/16/21 08:50	08/16/21 15:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		08/16/21 08:50	08/16/21 15:21	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		08/16/21 08:50	08/16/21 15:21	1
Total TPH	<49.8	U	49.8	14.9	mg/Kg		08/16/21 08:50	08/16/21 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/16/21 08:50	08/16/21 15:21	1
o-Terphenyl	93		70 - 130				08/16/21 08:50	08/16/21 15:21	1

Method: 300.0 - Anions, Ion Chro	omatogra	iphy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.9		4.98	0.855	mg/Kg			08/17/21 10:32	1

Job ID: 890-1100-1 Client: GHD Services Inc. SDG: 11220747 Project/Site: Flamenco #1

Method: 8021B - Volatile Organic Compounds (GC)

			Percent Surrogate Re	covery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1100-1	SB-33-2	98	95	
890-1100-1 MS	SB-33-2	130	129	
890-1100-2	SB-33-4	106	104	
890-1100-3	SB-33-20	108	81	
890-1100-4	SB-33-55	108	93	
390-1100-5	SB-33-60	120	105	
890-1100-6	SB-33-65	109	74	
890-1100-7	SB-31-2	111	91	
890-1100-8	SB-31-4	777 S1+	103	
890-1100-9	SB-31-15	127	125	
890-1100-10	SB-31-25	99	96	
890-1100-11	SB-31-30	103	101	
890-1100-12	SB-30-2	96	81	
890-1100-13	SB-30-4	113	96	
890-1100-14	SB-30-8	119	104	
890-1100-15	SB-30-25	123	99	
890-1100-15	SB-30-30	117	81	
890-1100-17	SB-26-2	136 S1+	125	
890-1100-17	SB-26-4	117	94	
890-1100-18	SB-26-15	119	108	
890-1100-19	SB-26-25	106	105	
890-1100-20	SB-26-30	115	107	
890-1100-21 MS	SB-26-30	107	103	
890-1100-22	SB-25-2	121	102	
890-1100-23	SB-25-4	139 S1+	108	
890-1100-24	SB-25-15	124	103	
890-1100-25	SB-25-30	121	102	
890-1100-26	SB-25-40	115	112	
890-1100-27	SB-25-45	115	106	
890-1100-28	SB-24-2	115	107	
890-1100-29	SB-24-4	118	104	
890-1100-30	SB-24-15	533 S1+	27 S1-	
890-1100-31	SB-24-25	111	113	
890-1100-32	SB-24-30	117	117	
890-1100-33	SB-29-2	110	113	
890-1100-34	SB-29-4	114	111	
890-1100-35	SB-29-10	117	115	
890-1100-36	SB-29-15	122	116	
890-1100-37	SB-29-25	116	113	
890-1100-38	SB-22-2	133 S1+	113	
890-1100-39	SB-22-4	115	111	
890-1100-40	SB-22-15	118	111	
890-1100-41	SB-22-30	118	100	
890-1100-42	SB-22-45	132 S1+	105	
890-1100-43	SB-22-50	112	97	
890-1100-44	SB-19-2	122	98	
890-1100-45	SB-19-4	120	103	
890-1100-46	SB-19-20	112	97	
890-1100-47	SB-19-45	120	93	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

			Por	cent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	cent ourrogate recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1100-48	SB-19-50	109	94	
390-1100-49	SB-18-2	113	92	
390-1100-50	SB-18-4	114	92	
390-1100-51	SB-18-30	121	100	
390-1100-52	SB-18-55	114	96	
390-1100-53	SB-18-60	121	96	
390-1100-54	SB-21A-2	110	98	
390-1100-55	SB-21A-4	112	93	
390-1100-56	SB-21A-15	104	97	
390-1100-57	SB-21A-35	116	97	
390-1100-58	SB-21A-55	119	98	
390-1100-59	SB-21A-60	114	95	
390-1100-60	SB-28-2	94	99	
390-1100-61	SB-28-4	99	94	
390-1100-61 MS	SB-28-4	112	97	
390-1100-62	SB-28-20	108	97	
390-1100-63	SB-28-25	93	89	
390-1100-64	SB-28-40	109	116	
390-1100-65	SB-28-45	109	101	
390-1100-66	SB-40A-2	114	107	
390-1100-67	SB-40A-4	115	113	
390-1100-67 390-1100-68	SB-40A-10	104	106	
390-1100-68 390-1100-69	SB-40A-20	84	100	
390-1100-09	SB-40A-25	142 S1+	131 S1+	
390-1100-70 390-1100-71	SB-27A-2	90	107	
390-1100-71 390-1100-72	SB-27A-4	108	94	
390-1100-72 390-1100-73	SB-27A-10		95	
		100 91		
390-1100-74 390-1100-75	SB-27A-15		104	
390-1100-75 390-1100-76	SB-27A-20	88	99	
	SB-21B-2	117	70	
390-1100-77	SB-21B-4	113	98	
390-1100-78	SB-21B-6	99	119	
390-1100-79	SB-21B-15	110	132 S1+	
390-1100-80	SB-21B-20	104	98	
390-1100-81	SB-21C-2	106	95	
390-1100-81 MS	SB-21C-2	106	104	
390-1100-81 MSD	SB-21C-2	94	89	
390-1100-82	SB-21C-4	125	97	
390-1100-83	SB-21C-6	133 S1+	97	
390-1100-84	SB-21C-15	133 S1+	104	
390-1100-85	SB-21C-20	135 S1+	96	
_CS 880-6479/1-A	Lab Control Sample	82	94	
CS 880-6492/1-A	Lab Control Sample	108	106	
_CS 880-6494/1-A	Lab Control Sample	107	117	
LCS 880-6497/1-A	Lab Control Sample	102	108	
LCS 880-6514/1-A	Lab Control Sample	101	105	
LCSD 880-6479/2-A	Lab Control Sample Dup	102	110	
_CSD 880-6492/2-A	Lab Control Sample Dup	109	105	
LCSD 880-6497/2-A	Lab Control Sample Dup	103	109	
LCSD 880-6514/2-A	Lab Control Sample Dup	105	103	

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

			Percen	Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
MB 880-6455/5-A	Method Blank	120	111	
MB 880-6457/5-A	Method Blank	104	97	
MB 880-6478/5-A	Method Blank	105	95	
MB 880-6479/5-A	Method Blank	115	105	
MB 880-6492/5-A	Method Blank	103	94	
MB 880-6494/5-A	Method Blank	119	113	
MB 880-6497/5-A	Method Blank	135 S1+	100	
MB 880-6514/5-A	Method Blank	105	94	
Surrogate Legend				

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

viatrix. Cona				Trop Type: Totality
_			Pero	rcent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID			
890-1100-1 MSD	SB-33-2			
890-1100-21 MSD	SB-26-30			
890-1100-41 MS	SB-22-30			
890-1100-41 MSD	SB-22-30			
890-1100-61 MSD	SB-28-4			
LCSD 880-6494/2-A	Lab Control Sample Dup			
Surrogate Legend				
BFB = 4-Bromofluoro	benzene (Surr)			
DFBZ = 1,4-Difluorob	enzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

			Percent S	urrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1100-1	SB-33-2	80	87	
890-1100-1 MS	SB-33-2	72	72	
890-1100-1 MSD	SB-33-2	72	72	
890-1100-2	SB-33-4	80	86	
890-1100-3	SB-33-20	84	94	
890-1100-4	SB-33-55	79	87	
890-1100-5	SB-33-60	79	84	
890-1100-6	SB-33-65	97	105	
890-1100-7	SB-31-2	78	85	
890-1100-8	SB-31-4	79	87	
890-1100-9	SB-31-15	82	92	
890-1100-10	SB-31-25	87	97	
890-1100-11	SB-31-30	84	95	
890-1100-12	SB-30-2	78	83	
890-1100-13	SB-30-4	81	88	
890-1100-14	SB-30-8	89	101	

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

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

			Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
390-1100-15	SB-30-25	79	87
390-1100-16	SB-30-30	81	89
90-1100-17	SB-26-2	80	85
390-1100-18	SB-26-4	78	87
390-1100-19	SB-26-15	77	87
390-1100-20	SB-26-25	77	87
390-1100-21	SB-26-30	112	116
390-1100-21 MS	SB-26-30	91	87
390-1100-21 MSD	SB-26-30	93	89
390-1100-22	SB-25-2	98	101
390-1100-23	SB-25-4	97	103
390-1100-24	SB-25-15	105	114
390-1100-25	SB-25-30	98	105
390-1100-26	SB-25-40	98	102
390-1100-27	SB-25-45	94	102
390-1100-28	SB-24-2	100	109
390-1100-29	SB-24-4	93	99
390-1100-29	SB-24-15	105	113
390-1100-30 390-1100-31	SB-24-15 SB-24-25	89	96
390-1100-31 390-1100-32	SB-24-23 SB-24-30	92	
			99
390-1100-33	SB-29-2	92	99
390-1100-34	SB-29-4	94	99
390-1100-35	SB-29-10	90	97
390-1100-36	SB-29-15	104	106
390-1100-37	SB-29-25	90	93
390-1100-38	SB-22-2	98	104
390-1100-39	SB-22-4	89	96
390-1100-40	SB-22-15	99	107
390-1100-41	SB-22-30	94	106
390-1100-42	SB-22-45	98	112
390-1100-42 MS	SB-22-45	94	96
390-1100-42 MSD	SB-22-45	92	95
390-1100-43	SB-22-50	87	94
390-1100-44	SB-19-2	91	99
390-1100-45	SB-19-4	103	115
390-1100-46	SB-19-20	100	113
390-1100-47	SB-19-45	92	107
90-1100-48	SB-19-50	89	94
390-1100-49	SB-18-2	89	93
390-1100-50	SB-18-4	100	108
390-1100-51	SB-18-30	86	96
390-1100-52	SB-18-55	98	105
390-1100-53	SB-18-60	116	127
390-1100-54	SB-21A-2	102	115
390-1100-55	SB-21A-4	93	104
390-1100-56	SB-21A-15	78	87
390-1100-57	SB-21A-35	88	101
390-1100-58	SB-21A-55	92	102
390-1100-59	SB-21A-60	89	96
390-1100-60	SB-28-2	79	83

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Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

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

Matrix: Solid Prep Type: Total/NA

		4004	Pe
	011 / 0 / 1 / 15	1CO1	OTPH1
ab Sample ID 390-1100-61	Client Sample ID SB-28-4	<u>(70-130)</u>	(70-130)
		80	87
890-1100-61 MS	SB-28-4	72	72
890-1100-61 MSD	SB-28-4	73	72
890-1100-62	SB-28-20	77	85
890-1100-63	SB-28-25	74	78
890-1100-64	SB-28-40	77	84
890-1100-65	SB-28-45	77	84
890-1100-66	SB-40A-2	74	77
390-1100-67	SB-40A-4	74	77
890-1100-68	SB-40A-10	74	82
890-1100-69	SB-40A-20	85	89
390-1100-70	SB-40A-25	70	72
390-1100-71	SB-27A-2	77	83
890-1100-72	SB-27A-4	74	75
890-1100-73	SB-27A-10	77	85
390-1100-74	SB-27A-15	72	78
390-1100-75	SB-27A-20	67 S1-	70
390-1100-76	SB-21B-2	56 S1-	54 S1-
390-1100-77	SB-21B-4	59 S1-	59 S1-
390-1100-78	SB-21B-6	65 S1-	72
390-1100-79	SB-21B-15	79	80
390-1100-80	SB-21B-20	62 S1-	64 S1-
890-1100-80 890-1100-81	SB-21C-2	90	96
890-1100-81 MS	SB-21C-2 SB-21C-2	90 92	96 87
890-1100-81 MSD	SB-21C-2	91	88
890-1100-82	SB-21C-4	87	95
890-1100-83	SB-21C-6	88	95
890-1100-84	SB-21C-15	92	99
890-1100-85	SB-21C-20	91	93
LCS 880-6569/2-A	Lab Control Sample	81	87
LCS 880-6577/2-A	Lab Control Sample	98	95
LCS 880-6578/2-A	Lab Control Sample	101	104
LCS 880-6579/2-A	Lab Control Sample	88	95
LCS 880-6589/2-A	Lab Control Sample	97	97
LCSD 880-6569/3-A	Lab Control Sample Dup	82	88
LCSD 880-6577/3-A	Lab Control Sample Dup	102	97
LCSD 880-6578/3-A	Lab Control Sample Dup	98	103
LCSD 880-6579/3-A	Lab Control Sample Dup	82	91
LCSD 880-6589/3-A	Lab Control Sample Dup	98	99
MB 880-6569/1-A	Method Blank	88	100
MB 880-6577/1-A	Method Blank	110	118
MB 880-6578/1-A	Method Blank	119	138 S1+
MB 880-6579/1-A	Method Blank	94	107
MB 880-6589/1-A	Method Blank	107	118
300 0000/ I-A	Motified Blaffit	107	110

OTPH = o-Terphenyl

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Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-6455/5-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 6512 Prep Batch: 6455

d Dil Fac
7:58 1
7:58 1
7:58 1
7:58 1
7:58 1
7:58 1
7:58 1
17 17 17 17

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	08/12/21 13:37	08/13/21 17:58	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/12/21 13:37	08/13/21 17:58	1

Lab Sample ID: MB 880-6457/5-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Total/NA Analysis Batch: 6495**

Prep Batch: 6457

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 09:00	08/13/21 12:24	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 09:00	08/13/21 12:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 09:00	08/13/21 12:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:00	08/13/21 12:24	1
o-Xylene	0.0004030	J	0.00200	0.000344	mg/Kg		08/13/21 09:00	08/13/21 12:24	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:00	08/13/21 12:24	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:00	08/13/21 12:24	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/13/21 09:00	08/13/21 12:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/13/21 09:00	08/13/21 12:24	1

Lab Sample ID: MB 880-6478/5-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA**

Prep Batch: 6478 **Analysis Batch: 6493**

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/12/21 16:42	08/13/21 23:16	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/12/21 16:42	08/13/21 23:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/12/21 16:42	08/13/21 23:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/12/21 16:42	08/13/21 23:16	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/12/21 16:42	08/13/21 23:16	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/12/21 16:42	08/13/21 23:16	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/12/21 16:42	08/13/21 23:16	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105	70 - 130	08/12/21 16:42	08/13/21 23:16	1
1,4-Difluorobenzene (Surr)	95	70 - 130	08/12/21 16:42	08/13/21 23:16	1

Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747 Project/Site: Flamenco #1

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

Lab Sample ID: MB 880-6479/5-A

Matrix: Solid

Analysis Batch: 6495

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6479

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 10:30	08/13/21 23:26	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 10:30	08/13/21 23:26	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 10:30	08/13/21 23:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/13/21 23:26	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 10:30	08/13/21 23:26	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/13/21 23:26	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 10:30	08/13/21 23:26	1

MB MB

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	70 - 130	08/13/21 10:30	08/13/21 23:26	1
1,4-Difluorobenzene (Surr)	105	70 - 130	08/13/21 10:30	08/13/21 23:26	1

Lab Sample ID: LCS 880-6479/1-A

Matrix: Solid

Analysis Batch: 6495

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 6479

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.08604 mg/Kg 86 70 - 130 Toluene 0.100 0.08986 mg/Kg 90 70 - 130 83 Ethylbenzene 0.100 0.08333 mg/Kg 70 - 130m-Xylene & p-Xylene 0.200 0.1522 76 70 - 130 mg/Kg 0.100 0.07521 70 - 130 o-Xylene mg/Kg 75

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	82	70 - 130
1.4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: LCSD 880-6479/2-A

Matrix: Solid

Analysis Batch: 6495

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 6479

Spike LCSD LCSD %Rec. **RPD** RPD **Analyte** Added Result Qualifier Unit D %Rec Limits Limit Benzene 0.100 0.09435 mg/Kg 94 70 - 130 9 35 Toluene 0.100 0.09532 mg/Kg 95 70 - 130 6 35 Ethylbenzene 0.100 0.1006 mg/Kg 101 70 - 130 35 19 m-Xylene & p-Xylene 0.200 0.1859 93 70 - 130 35 mg/Kg 20 0.100 o-Xylene 0.09072 mg/Kg 91 70 - 130 19 35

LCSD LCSD

Surrogate	%Recovery Qualit	ier Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	110	70 - 130

Lab Sample ID: 890-1100-1 MSD

Matrix: Solid

Analysis Batch: 6495

Prep Type: Total/NA Prep Batch: 6479 Sample Sample Spike MSD MSD **RPD** %Rec. Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit

Analyte Benzene 0.000474 J *- *1 0.0990 0.06877 mg/Kg

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Client Sample ID: SB-33-2

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

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

%Recovery Qualifier

Lab Sample ID: 890-1100-1 MSD Client Sample ID: SB-33-2 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6495** Prep Batch: 6479

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	<0.000453	U	0.0990	0.1346		mg/Kg					
Ethylbenzene	<0.000562	U	0.0990	0.02119		mg/Kg					
m-Xylene & p-Xylene	<0.00100	U	0.198	0.2361		mg/Kg					
o-Xylene	< 0.000342	U	0.0990	0.1105		mg/Kg					
	MSD	MSD									

Limits

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)

Surrogate

Lab Sample ID: MB 880-6492/5-A

Matrix: Solid

Analysis Batch: 6493

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:34	08/14/21 10:29	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:34	08/14/21 10:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:34	08/14/21 10:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 10:29	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:34	08/14/21 10:29	1
Xylenes, Total	< 0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 10:29	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:34	08/14/21 10:29	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/13/21 08:34	08/14/21 10:29	1
1.4-Difluorobenzene (Surr)	94		70 - 130	08/13/21 08:34	08/14/21 10:29	1

Lab Sample ID: LCS 880-6492/1-A **Matrix: Solid**

Analysis Batch: 6493

Prep Batch: 6492 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1030 mg/Kg 103 70 - 130 Toluene 0.100 0.09477 mg/Kg 95 70 - 130 Ethylbenzene 0.100 0.09090 mg/Kg 91 70 - 130 70 - 130 m-Xylene & p-Xylene 0.200 91 0.1811 mg/Kg o-Xylene 0.100 0.09183 mg/Kg 70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-6492/2-A	Client Sample ID: Lab Control Sample Dup									
Matrix: Solid							Prep Ty	pe: Tot	al/NA	
Analysis Batch: 6493							Prep Batch: 6492			
	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09527		mg/Kg		95	70 - 130	8	35	

0.08880

mg/Kg

0.100

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70 - 130

Page 71 of 145

35

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 6492

Toluene

Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747 Project/Site: Flamenco #1

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

Lab Sample ID: LCSD 880-6492/2-A

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 6492

LCSD LCSD **RPD** Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Ethylbenzene 0.100 0.08590 mg/Kg 86 70 - 130 6 35 m-Xylene & p-Xylene 0.200 0.1713 mg/Kg 86 70 - 130 6 35 0.100 0.08654 87 70 - 130 o-Xylene mg/Kg 6

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-1100-41 MS

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: SB-22-30 Prep Type: Total/NA

Prep Batch: 6492

MS MS

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1100-41 MSD Client Sample ID: SB-22-30

Matrix: Solid

Analysis Batch: 6493

Prep Type: Total/NA

Prep Batch: 6492

%Rec. **RPD**

MSD MSD Sample Sample Spike Result Qualifier Added Result Qualifier Limits RPD Analyte Unit %Rec Limit Benzene <0.00199 U 0.0996 0.09331 mg/Kg Toluene <0.00199 U 0.0996 0.08778 mg/Kg Ethylbenzene 0.0996 0.08724 <0.00199 U mg/Kg m-Xylene & p-Xylene <0.00398 U 0.199 0.1755 mg/Kg <0.00199 U 0.0996 0.08825 mg/Kg o-Xylene

MSD MSD

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: MB 880-6494/5-A

Matrix: Solid

Analysis Batch: 6495

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 6494

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 08:46	08/14/21 13:22	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 08:46	08/14/21 13:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 08:46	08/14/21 13:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 13:22	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 08:46	08/14/21 13:22	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 13:22	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 08:46	08/14/21 13:22	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/13/21 08:46 08/14/21 13:2	2 1
1,4-Difluorobenzene (Surr)	113		70 - 130	08/13/21 08:46 08/14/21 13:2	2 1

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Page 72 of 145

Client: GHD Services Inc.

Job ID: 890-1100-1
Project/Site: Flamenco #1

SDG: 11220747

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

Lab Sample ID: LCS 880-6494/1-A

Matrix: Solid

Analysis Batch: 6495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6494

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08919		mg/Kg	_	89	70 - 130	
Toluene	0.100	0.09762		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.09704		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.1894		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.09054		mg/Kg		91	70 - 130	

l		LCS	LCS	
	Surrogate	%Recovery	Qualifier	Limits
	4-Bromofluorobenzene (Surr)	107		70 - 130
ĺ	1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: LCSD 880-6494/2-A

Matrix: Solid

Analysis Batch: 6495

Spike LCSD LCSD Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6494

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08568		mg/Kg					
Toluene	0.100	0.1073		mg/Kg					
Ethylbenzene	0.100	0.1123		mg/Kg					
m-Xylene & p-Xylene	0.200	0.2095		mg/Kg					
o-Xylene	0.100	0.09952		mg/Kg					

Surrogate
4-Bromofluorobenzene (Surr)

LCSD

WRecovery Qualifier Limits

4-Bromofluorobenzene (Surr)
1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1100-61 MSD

Matrix: Solid

Analysis Batch: 6495									Prep	Batch:	: 6494
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000383	U	0.0998	<0.00200	U	mg/Kg					
Toluene	0.000535	J	0.0998	0.0007065	J	mg/Kg					
Ethylbenzene	< 0.000563	U	0.0998	0.003817		mg/Kg					
m-Xylene & p-Xylene	0.00102	J	0.200	0.006508		mg/Kg					
o-Xylene	<0.000343	U	0.0998	0.003501		mg/Kg					

SurrogateMSD4-Bromofluorobenzene (Surr)%RecoveryQualifierLimits

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1100-1 MS

Matrix: Solid

Analysis Batch: 6495

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

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Client Sample ID: SB-33-2

Prep Type: Total/NA

Client Sample ID: SB-28-4

Prep Type: Total/NA

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Oliris Aerico, Carisbac

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: 890-1100-61 MS

Matrix: Solid

Analysis Batch: 6495

Client Sample ID: SB-28-4 Prep Type: Total/NA

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 112 70 - 130 1,4-Difluorobenzene (Surr) 97

Lab Sample ID: MB 880-6497/5-A

Matrix: Solid

Analysis Batch: 6512

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 6497

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/13/21 09:31	08/14/21 05:33	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/13/21 09:31	08/14/21 05:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/13/21 09:31	08/14/21 05:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 05:33	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/13/21 09:31	08/14/21 05:33	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 05:33	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/13/21 09:31	08/14/21 05:33	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	08/13/21 09:31	08/14/21 05:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/13/21 09:31	08/14/21 05:33	1

Lab Sample ID: LCS 880-6497/1-A

Matrix: Solid

Analysis Batch: 6512

Client Sample ID: Lab Control Sample

70 - 130

Prep Type: Total/NA Prep Batch: 6497

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.1026 mg/Kg 103 70 - 130 Toluene 0.100 0.09222 mg/Kg 92 70 - 130 Ethylbenzene 0.100 0.09607 mg/Kg 96 70 - 130 m-Xylene & p-Xylene 0.200 0.1945 mg/Kg 97 70 - 130

0.09889

0.100

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1 4-Diffuorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-6497/2-A

Matrix: Solid

o-Xylene

Analysis Batch: 6512

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

99

mg/Kg

Prep Batch: 6497

	Spike	LCSD LCS	SD		%Rec.		RPD
Analyte	Added	Result Qua	llifier Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.1066	mg/Kg	107	70 - 130	4	35
Toluene	0.100	0.09362	mg/Kg	94	70 - 130	2	35
Ethylbenzene	0.100	0.09579	mg/Kg	96	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1941	mg/Kg	97	70 - 130	0	35
o-Xylene	0.100	0.09837	mg/Kg	98	70 - 130	1	35

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: LCSD 880-6497/2-A

Matrix: Solid

Analysis Batch: 6512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client Sample ID: SB-26-30

Prep Type: Total/NA

Prep Batch: 6497

LCSD LCSD %Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 109 70 - 130

Lab Sample ID: 890-1100-21 MSD Client Sample ID: SB-26-30

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 6512** Prep Batch: 6497

_	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000385	U	0.0994	0.07940		mg/Kg					
Toluene	<0.000456	U	0.0994	0.07435		mg/Kg					
Ethylbenzene	<0.000565	U	0.0994	0.08138		mg/Kg					
m-Xylene & p-Xylene	<0.00101	U	0.199	0.1666		mg/Kg					
o-Xylene	<0.000344	U	0.0994	0.08298		mg/Kg					
	MCD	MCD									

MSD MSD

103

MB

Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1100-21 MS

Matrix: Solid

Analysis Batch: 6512

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-6514/5-A Client Sample ID: Method Blank

70 - 130

Matrix: Solid

Analysis Batch: 6493

1,4-Difluorobenzene (Surr)

	Chone Campio ID: motifica Blank
	Prep Type: Total/NA
	Prep Batch: 6514
MB	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Xylenes, Total	< 0.00400	U	0.00400	0.00101	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg		08/14/21 10:00	08/14/21 21:22	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105	70 - 130	08/14/21 10:00	08/14/21 21:22	1
1,4-Difluorobenzene (Surr)	94	70 - 130	08/14/21 10:00	08/14/21 21:22	1

Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747 Project/Site: Flamenco #1

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

Lab Sample ID: LCS 880-6514/1-A

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 6514

Spike LCS LCS %Rec. Added Result Qualifier Unit %Rec Limits Analyte D Benzene 0.100 0.09438 mg/Kg 94 70 - 130 Toluene 0.100 0.08689 mg/Kg 87 70 - 130 Ethylbenzene 0.100 0.08358 70 - 130 mg/Kg 84 m-Xylene & p-Xylene 0.200 0.1664 mg/Kg 83 70 - 130 0.100 o-Xylene 0.08354 mg/Kg 84 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1.4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-6514/2-A

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6514

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 0.100 0.09737 3 35 Benzene mg/Kg 97 70 - 130 Toluene 0.100 0.08836 mg/Kg 88 70 - 130 2 35 Ethylbenzene 0.100 0.08717 mg/Kg 87 70 - 130 35 4 0.200 0.1735 87 70 - 130 35 m-Xylene & p-Xylene mg/Kg 0.100 88 o-Xylene 0.08798 mg/Kg 70 - 13035

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1.4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-1100-81 MS

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: SB-21C-2

Prep Type: Total/NA

Prep Batch: 6514

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier %Rec Limits Analyte Unit D 0.06479 F1 Benzene <0.00200 U F2 F1 0.0990 mg/Kg 65 70 - 130mg/Kg Toluene <0.00200 U F2 F1 0.0990 0.05746 F1 58 70 - 130 Ethylbenzene <0.00200 U F2 F1 0.0990 0.05508 F1 mg/Kg 56 70 - 130 m-Xylene & p-Xylene <0.00399 UF2F1 0.198 0.1108 F1 mg/Kg 56 70 - 130 <0.00200 UF2F1 0.0990 0.05866 F1 59 70 - 130 o-Xylene mg/Kg

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: 890-1100-81 MSD

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: SB-21C-2 Prep Type: Total/NA

Prep Batch: 6514

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Limits RPD Limit Analyte Result Qualifier Unit %Rec Benzene <0.00200 U F2 F1 0.0994 0.02646 F2 F1 mg/Kg 27 70 - 130 84 35 Toluene <0.00200 U F2 F1 0.0994 28 70 - 130 68 35 0.02819 F2 F1 mg/Kg Ethylbenzene <0.00200 U F2 F1 0.0994 0.02831 F2 F1 mg/Kg 28 70 - 130 64 35

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Page 76 of 145

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

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

Lab Sample ID: 890-1100-81 MSD

Matrix: Solid

Analysis Batch: 6493

Sample Sample Spike MSD MSD

Client Sample ID: SB-21C-2
Prep Type: Total/NA
Prep Batch: 6514
RPD

%Rec. RPD

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.199	0.05651	F2 F1	mg/Kg		28	70 - 130	65	35
o-Xylene	<0.00200	U F2 F1	0.0994	0.02990	F2 F1	mg/Kg		30	70 - 130	65	35

 Surrogate
 %Recovery 4-Bromofluorobenzene (Surr)
 94
 Cualifier 70 - 130

 1,4-Difluorobenzene (Surr)
 89
 70 - 130

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

Lab Sample ID: MB 880-6569/1-A

Matrix: Solid

Analysis Batch: 6570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6569

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 15.0 mg/Kg 08/14/21 09:48 08/14/21 21:23 (GRO)-C6-C10 08/14/21 09:48 08/14/21 21:23 Diesel Range Organics (Over <50.0 U 50.0 15.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg 08/14/21 09:48 08/14/21 21:23 Total TPH <50.0 U 50.0 15.0 mg/Kg 08/14/21 09:48 08/14/21 21:23

 MB MB

 Surrogate
 %Recovery 1-Chlorooctane
 Qualifier 2-1-20
 Limits 2-1-30
 Prepared 2-1-20
 Analyzed 2-1-20
 Dil Fac 2-1-30

 0-Terphenyl
 100
 70 - 130
 08/14/21 09:48
 08/14/21 21:23
 1

Lab Sample ID: LCS 880-6569/2-A

Matrix: Solid

Analysis Batch: 6570

Spike

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6569

Rec.

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	780.0		mg/Kg		78	70 - 130	
Diesel Range Organics (Over	1000	889.6		mg/Kg		89	70 - 130	

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 81
 70 - 130

 o-Terphenyl
 87
 70 - 130

Lab Sample ID: LCSD 880-6569/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Total/NA Analysis Batch: 6570** Prep Batch: 6569 LCSD LCSD Spike %Rec. **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 798.3 80 70 - 130 2 20 mg/Kg (GRO)-C6-C10 1000 906.3 mg/Kg 91 70 - 130 2 20 Diesel Range Organics (Over C10-C28)

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2/19/2021 (Pay

Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747 Project/Site: Flamenco #1

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

Lab Sample ID: LCSD 880-6569/3-A **Matrix: Solid**

Analysis Batch: 6570

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Client Sample ID: SB-33-2

Prep Batch: 6569

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 82 70 - 130 o-Terphenyl 88 70 - 130

Lab Sample ID: 890-1100-1 MS Client Sample ID: SB-33-2

Matrix: Solid Prep Type: Total/NA Analysis Batch: 6570 Prep Batch: 6569 MS MS Sample Sample Spike %Rec.

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <50.0 U 995 725.0 mg/Kg 73 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 995 774.1 mg/Kg 78 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 72 70 - 130 70 - 130 o-Terphenyl 72

Lab Sample ID: 890-1100-1 MSD

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 6570** Prep Batch: 6569 Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec

<50.0 U 70 - 130 Gasoline Range Organics 998 713.7 mg/Kg 72 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 998 <50.0 U 803.1 mg/Kg 80 70 - 130 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 72 o-Terphenyl 72 70 - 130

Lab Sample ID: MB 880-6577/1-A **Client Sample ID: Method Blank**

Matrix: Solid Prep Type: Total/NA Analysis Batch: 6580 Prep Batch: 6577 MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	Ū	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 11:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 11:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 11:49	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 11:51	08/15/21 11:49	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	08/14/21 11:51	08/15/21 11:49	1
o-Terphenyl	118		70 - 130	08/14/21 11:51	08/15/21 11:49	1

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8/18/2021 (Rev. 1)

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1
SDG: 11220747

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

Lab Sample ID: LCS 880-6577/2-A

Matrix: Solid

Analysis Batch: 6580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Prep Batch: 6577

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	825.7		mg/Kg		83	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	851.0		mg/Kg		85	70 - 130	
C10-C28)								

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 98
 70 - 130

 o-Terphenyl
 95
 70 - 130

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-6577/3-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 6580** Prep Batch: 6577 LCSD LCSD Spike %Rec. **RPD** Analyte Added Result Qualifier Limits RPD Limit Unit D %Rec

Gasoline Range Organics 1000 839.5 84 70 - 130 2 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 861.0 mg/Kg 86 70 - 130 20 C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 102
 70 - 130

 o-Terphenyl
 97
 70 - 130

Lab Sample ID: 890-1100-21 MS

Matrix: Solid

Client Sample ID: SB-26-30

Prep Type: Total/NA

Analysis Batch: 6580 Prep Batch: 6577

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	1011		mg/Kg		102	70 - 130	
Diesel Range Organics (Over C10-C28)	15.1	J	995	875.9		mg/Kg		87	70 - 130	

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 91
 70 - 130

 o-Terphenyl
 87
 70 - 130

Lab Sample ID: 890-1100-21 MSD

Matrix: Solid

Client Sample ID: SB-26-30

Prep Type: Total/NA

Analysis Batch: 6580

Sample Sample Spike MSD MSD %Rec. RPD

				_	_						
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	983.7		mg/Kg		99	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	15.1	J	998	906.1		mg/Kg		89	70 - 130	3	20
	MSD	MSD									

Surrogate %Recovery Qualifier Limits
1-Chlorooctane 93 70 - 130

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Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747 Project/Site: Flamenco #1

Limits

70 - 130

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

MSD MSD

%Recovery Qualifier

Lab Sample ID: 890-1100-21 MSD Client Sample ID: SB-26-30

Matrix: Solid

Analysis Batch: 6580

Prep Type: Total/NA

Prep Batch: 6577

o-Terphenyl 89

Lab Sample ID: MB 880-6578/1-A

Matrix: Solid

Surrogate

Analysis Batch: 6582

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 6578

MB MB Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac

08/14/21 12:06 08/15/21 11:49 Gasoline Range Organics <50.0 U 50.0 15.0 mg/Kg (GRO)-C6-C10 50.0 15.0 mg/Kg 08/14/21 12:06 08/15/21 11:49 Diesel Range Organics (Over <50.0 U C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 15.0 mg/Kg Total TPH <50.0 U 50.0 15.0 mg/Kg 08/14/21 12:06 08/15/21 11:49

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 08/14/21 12:06 08/15/21 11:49 1-Chlorooctane 119 o-Terphenyl 138 S1+ 70 - 130 08/14/21 12:06 08/15/21 11:49

Lab Sample ID: LCS 880-6578/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 6582

Prep Batch: 6578 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 1000 Gasoline Range Organics 922.4 mg/Kg 92 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 849.8 mg/Kg 85 70 - 130

C10-C28)

LCS LCS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 101 70 - 130 104 70 - 130 o-Terphenyl

Lab Sample ID: LCSD 880-6578/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 6582							Prep	Batch:	6578
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.9		mg/Kg		99	70 - 130	7	20
Diesel Range Organics (Over	1000	806.7		mg/Kg		81	70 - 130	5	20

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	98	70 - 130
o-Terphenvl	103	70 - 130

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

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

Lab Sample ID: 890-1100-42 MS

Matrix: Solid

Analysis Batch: 6582

Client Sample ID: SB-22-45 Prep Type: Total/NA

Prep Batch: 6578

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier D %Rec Limits Analyte Unit Gasoline Range Organics <50.0 U 995 991.7 mg/Kg 100 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 995 886.1 89 <50.0 U mg/Kg 70 - 130

C10-C28)

MS MS Limits Surrogate %Recovery Qualifier 1-Chlorooctane 70 - 130 94 70 - 130 o-Terphenyl 96

Client Sample ID: SB-22-45

Prep Type: Total/NA

Matrix: Solid

Lab Sample ID: 890-1100-42 MSD

Analysis Batch: 6582									Prep	Batch:	6578
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Ossalina Danas Ossasias	-EO O	П	000	007.0		20 m/l/m	_		70 120		20

20 Gasoline Range Organics <50.0 U 998 987.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 862.9 mg/Kg 86 70 - 130 3 C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: MB 880-6579/1-A

Matrix: Solid

Analysis Batch: 6584

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 6579

MB MB

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		08/14/21 12:26	08/15/21 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 11:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 11:11	1
Total TPH	<50.0	U	50.0	15.0	mg/Kg		08/14/21 12:26	08/15/21 11:11	1

MB MB

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94	70 - 130	08/14/21 12:26	08/15/21 11:11	1
o-Terphenyl	107	70 - 130	08/14/21 12:26	08/15/21 11:11	1

Lab Sample ID: LCS 880-6579/2-A

Matrix: Solid

Analysis Batch: 6584

Client S	Sample	ID: Lab	Control	Sample
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Prep Type: Total/NA

Prep Batch: 6579

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	 1000	873.3		mg/Kg		87	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	980.8		mg/Kg		98	70 - 130	
C10-C28)								

Client: GHD Services Inc. Job ID: 890-1100-1 SDG: 11220747 Project/Site: Flamenco #1

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

Lab Sample ID: LCS 880-6579/2-A **Matrix: Solid**

Analysis Batch: 6584

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6579

LCS LCS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 88 70 - 130 o-Terphenyl 95 70 - 130

Lab Sample ID: LCSD 880-6579/3-A

Matrix: Solid

Analysis Batch: 6584

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6579

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 801.5 mg/Kg 80 70 - 130 9 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 937.4 mg/Kg 94 70 - 130 5 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 890-1100-61 MS

Matrix: Solid

Analysis Batch: 6584

Client Sample ID: SB-28-4 Prep Type: Total/NA

Prep Batch: 6579

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	716.2		mg/Kg		72	70 - 130	
Diesel Range Organics (Over	<50.0	U	995	840.1		mg/Kg		84	70 - 130	

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 72 o-Terphenyl 72 70 - 130

Lab Sample ID: 890-1100-61 MSD

Matrix: Solid

Analysis Batch: 6584

Client Sample ID: SB-28-4 **Prep Type: Total/NA**

Prep Batch: 6579

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit %Rec <50.0 U 998 792.9 79 70 - 130 10 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 846.4 mg/Kg 85 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	73	70 - 130
o-Terphenyl	72	70 - 130

Client: GHD Services Inc. Project/Site: Flamenco #1

Job ID: 890-1100-1 SDG: 11220747

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

Lab Sample ID: MB 880-6589/1-A

Matrix: Solid

Analysis Batch: 6591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6589

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.82	J	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1
Total TPH	16.82	J	50.0	15.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	<u>08/16/21 08:50</u>	08/16/21 11:24	1
o-Terphenyl	118		70 - 130	08/16/21 08:50	08/16/21 11:24	1

Lab Sample ID: LCS 880-6589/2-A

Matrix: Solid

Analysis Batch: 6591

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 6589

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 814.9 mg/Kg 81 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 832.6 mg/Kg 83 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery Qualific	er Limits
1-Chlorooctane	97	70 - 130
o-Terphenyl	97	70 - 130

Lab Sample ID: LCSD 880-6589/3-A

Matrix: Solid

Analysis Batch: 6591

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 6589

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 902.4 90 70 - 130 10 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 833.9 mg/Kg 83 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Quain	ner Limits
1-Chlorooctane	98	70 - 130
o-Terphenyl	99	70 - 130

Lab Sample ID: 890-1100-81 MS

Matrix: Solid

Analysis Batch: 6591

Client Sample ID: SB-21C-2

Prep Type: Total/NA

Prep Batch: 6589

	Sample San	nple Spike	MS	MS				%Rec.
Analyte	Result Qua	alifier Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	995	1032		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0 U	995	843.5		mg/Kg		85	70 - 130

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Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1

SDG: 11220747

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

MS MS

Lab Sample ID: 890-1100-81 MS Client Sample ID: SB-21C-2

Matrix: Solid

Analysis Batch: 6591

Prep Type: Total/NA

Prep Batch: 6589

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 92 70 - 130 o-Terphenyl 87 70 - 130

Lab Sample ID: 890-1100-81 MSD Client Sample ID: SB-21C-2

Matrix: Solid

Analysis Batch: 6591

Prep Type: Total/NA

Prep Batch: 6589

RPD MSD MSD Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 998 981.7 mg/Kg 98 70 - 130 5 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 844.9 mg/Kg 85 70 - 130 0 20 C10-C28)

MSD MSD

MB MB

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 91 70 - 130 70 - 130 o-Terphenyl 88

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6529/1-A **Client Sample ID: Method Blank**

Matrix: Solid

Analysis Batch: 6545

Prep Type: Soluble

Client Sample ID: Lab Control Sample

RL **MDL** Unit Analyte Result Qualifier Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U 0.858 mg/Kg 08/13/21 19:50

Lab Sample ID: LCS 880-6529/2-A

Matrix: Solid

Analysis Batch: 6545

Spike LCS LCS %Rec. Analyte Added Result Qualifier D %Rec Limits Unit 250 108 Chloride 270.6 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-6529/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 6545

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits Analyte Unit %Rec RPD Limit Chloride 250 264.5 mg/Kg 106 90 - 110

Lab Sample ID: 890-1100-35 MS Client Sample ID: SB-29-10

Matrix: Solid

Analysis Batch: 6545

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 630 F1 253 806.5 F1 90 - 110 mg/Kg 70

Eurofins Xenco, Carlsbad

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography (Continued)

MR MR

Lab Sample ID: 890-1100-35 MSD Client Sample ID: SB-29-10

Matrix: Solid

Analysis Batch: 6545

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	630	F1	253	789.7	F1	mg/Kg		63	90 - 110	2	20

Lab Sample ID: MB 880-6546/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6557

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858 mg/Kg			08/13/21 23:56	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-6546/2-A **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6557

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	258.0		mg/Kg	_	103	90 - 110	

Lab Sample ID: LCSD 880-6546/3-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6557

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	258.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-6530/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6559

	IAID	IAID								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	0.858	mg/Kg			08/14/21 06:29	1	

Lab Sample ID: LCS 880-6530/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6559

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	259.6		ma/Ka		104	90 - 110	

Lab Sample ID: LCSD 880-6530/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6559

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	259.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-6534/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6619

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	0.858	mg/Kg			08/16/21 16:13	1	

Spike

Added

250

Spike

Added

Sample Sample

Sample Sample

Result Qualifier

MR MR

<5.00 U

Result Qualifier

2440

2440

Result Qualifier

250

Spike

Added

1250

Spike

Added

1250

Spike

Added

250

Spike

Added

250

RL

5.00

LCS LCS

LCSD LCSD

MS MS

MSD MSD

3684

Result Qualifier

MDL Unit

0.858 mg/Kg

LCS LCS

LCSD LCSD

Result Qualifier

258.1

258.2

Result Qualifier

3689

Result Qualifier

Result Qualifier

252.9

252.9

Result Qualifier

Unit

Unit

Unit

mg/Kg

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

%Rec

D %Rec

101

%Rec

%Rec

Prepared

D %Rec

D

100

100

101

Client Sample ID: Lab Control Sample Dup

Job ID: 890-1100-1

Prep Type: Soluble

Prep Type: Soluble

RPD

Prep Type: Soluble

Prep Type: Soluble

RPD

n

Client Sample ID: Lab Control Sample

%Rec.

Limits

90 - 110

%Rec.

Limits

%Rec.

Limits

%Rec.

Limits

90 - 110

Client Sample ID: Method Blank

90 - 110

90 - 110

Client Sample ID: SB-33-20

Client Sample ID: SB-33-20

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-6534/2-A

Matrix: Solid

Analysis Batch: 6619

Analyte Chloride

Lab Sample ID: LCSD 880-6534/3-A **Matrix: Solid**

Analysis Batch: 6619

Analyte

Lab Sample ID: 890-1100-3 MS **Matrix: Solid**

Chloride

Analysis Batch: 6619

Analyte Chloride

Lab Sample ID: 890-1100-3 MSD

Matrix: Solid

Analysis Batch: 6619

Analyte

Chloride

Lab Sample ID: MB 880-6533/1-A **Matrix: Solid**

Analysis Batch: 6621

Analyte

Chloride Lab Sample ID: LCS 880-6533/2-A

Matrix: Solid

Analysis Batch: 6621

Analyte

Lab Sample ID: LCSD 880-6533/3-A

Chloride

Analyte

Matrix: Solid Analysis Batch: 6621

Chloride Lab Sample ID: 890-1100-13 MS

Matrix: Solid

Analysis Batch: 6621

Sample Sample Analyte Result Qualifier Chloride

81.9

Spike Added 248

330.7

Result Qualifier

MS MS

Unit mg/Kg

D

%Rec 101

Limits 90 - 110

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Page 86 of 145

8/18/2021 (Rev. 1)

RPD

Limit

RPD

Limit

Analyzed Dil Fac 08/16/21 19:29

Prep Type: Soluble

Client Sample ID: Lab Control Sample Prep Type: Soluble

%Rec.

Limits 90 - 110

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

103

%Rec

103

%Rec. **RPD** Limits RPD Limit

Prep Type: Soluble

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1100-13 MSD Client Sample ID: SB-30-4 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6621

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	81.9		248	331.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-1100-23 MS Client Sample ID: SB-25-4 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6621

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	33.6	- <u></u>	248	284.5		mg/Kg		101	90 - 110	

Lab Sample ID: 890-1100-23 MSD Client Sample ID: SB-25-4

Matrix: Solid

Analysis Batch: 6621

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	33.6		248	284.6		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-6531/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6622

Result Qualifier Analyte RL **MDL** Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 0.858 mg/Kg 08/16/21 22:45

MB MB

Lab Sample ID: LCS 880-6531/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6622

	Spike	LCS LCS				%Rec.	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Chloride	250	258 5	ma/Ka	_	103	90 110	

Lab Sample ID: LCSD 880-6531/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6622

LCSD LCSD Spike %Rec. **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 250 Chloride 258.8 90 - 110 mg/Kg 104

Lab Sample ID: 890-1100-46 MS Client Sample ID: SB-19-20 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6622

	Sample Sample	Sample Sample Spike	MS MS		%Rec.
Analyte	Result Qualifier	Result Qualifier Added	Result Qualifier	Unit D %Rec	Limits
Chloride	1250	1250 250	1444 4	mg/Kg 79	90 - 110

Lab Sample ID: 890-1100-46 MSD Client Sample ID: SB-19-20 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6622

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	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1250		250	1462	4	mg/Kg		86	90 - 110	1	20

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Prep Type: Soluble

Job ID: 890-1100-1

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1100-56 MS

Analysis Batch: 6622

Client Sample ID: SB-21A-15 **Prep Type: Soluble**

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit %Rec Limits Analyte 2480 Chloride 7080 F1 9294 F1 mg/Kg 89 90 - 110

Lab Sample ID: 890-1100-56 MSD Client Sample ID: SB-21A-15 **Prep Type: Soluble**

Matrix: Solid

Matrix: Solid

Analysis Batch: 6622

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 7080 F1 2480 90 90 - 110 Chloride 9310 mg/Kg n

Lab Sample ID: MB 880-6532/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6623

MB MB

Result Qualifier RL **MDL** Unit Analyte Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 0.858 mg/Kg 08/17/21 02:02

Lab Sample ID: LCS 880-6532/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6623

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits 258.4 Chloride 250 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-6532/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6623

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 259.6 104 90 - 110 mg/Kg

Lab Sample ID: 890-1100-66 MS

Matrix: Solid

Analysis Batch: 6623

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits D 249 Chloride 22.1 253.1 mg/Kg 93 90 - 110

Lab Sample ID: 890-1100-66 MSD Client Sample ID: SB-40A-2

Matrix: Solid

Analysis Batch: 6623

Sample Sample Spike MSD MSD %Rec. Result Qualifier Added Result Qualifier D %Rec Limits RPD Analyte Unit 22.1 249 Chloride 253.7 mg/Kg 93 90 - 110 0

Lab Sample ID: 890-1100-76 MS Client Sample ID: SB-21B-2 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6623

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Spike MS MS %Rec. Sample Sample Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits 90 - 110 Chloride 21.9 251 265.2 mg/Kg

Eurofins Xenco, Carlsbad

Client Sample ID: SB-40A-2

Prep Type: Soluble

Prep Type: Soluble

RPD Limit

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1100-76 MSD Client Sample ID: SB-21B-2 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6623

•	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	21.9		251	266.2		mg/Kg		98	90 - 110	0	20

Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC VOA

D	- D	-4-1	L . /	3455
Pror	1 R:	at <i>r</i>	n.,	1477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6455/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 6457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6457/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 6478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6478/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 6479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-1	SB-33-2	Total/NA	Solid	5035	
890-1100-2	SB-33-4	Total/NA	Solid	5035	
890-1100-3	SB-33-20	Total/NA	Solid	5035	
890-1100-4	SB-33-55	Total/NA	Solid	5035	
890-1100-5	SB-33-60	Total/NA	Solid	5035	
890-1100-6	SB-33-65	Total/NA	Solid	5035	
890-1100-7	SB-31-2	Total/NA	Solid	5035	
890-1100-8	SB-31-4	Total/NA	Solid	5035	
890-1100-9	SB-31-15	Total/NA	Solid	5035	
890-1100-10	SB-31-25	Total/NA	Solid	5035	
890-1100-11	SB-31-30	Total/NA	Solid	5035	
890-1100-12	SB-30-2	Total/NA	Solid	5035	
890-1100-13	SB-30-4	Total/NA	Solid	5035	
890-1100-14	SB-30-8	Total/NA	Solid	5035	
890-1100-15	SB-30-25	Total/NA	Solid	5035	
890-1100-16	SB-30-30	Total/NA	Solid	5035	
890-1100-17	SB-26-2	Total/NA	Solid	5035	
890-1100-18	SB-26-4	Total/NA	Solid	5035	
890-1100-19	SB-26-15	Total/NA	Solid	5035	
890-1100-20	SB-26-25	Total/NA	Solid	5035	
MB 880-6479/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6479/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6479/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1100-1 MSD	SB-33-2	Total/NA	Solid	5035	

Prep Batch: 6492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-41	SB-22-30	Total/NA	Solid	5035	
890-1100-42	SB-22-45	Total/NA	Solid	5035	
890-1100-43	SB-22-50	Total/NA	Solid	5035	
890-1100-44	SB-19-2	Total/NA	Solid	5035	
890-1100-45	SB-19-4	Total/NA	Solid	5035	
890-1100-46	SB-19-20	Total/NA	Solid	5035	
890-1100-47	SB-19-45	Total/NA	Solid	5035	
890-1100-48	SB-19-50	Total/NA	Solid	5035	
890-1100-49	SB-18-2	Total/NA	Solid	5035	
890-1100-50	SB-18-4	Total/NA	Solid	5035	
890-1100-51	SB-18-30	Total/NA	Solid	5035	
890-1100-52	SB-18-55	Total/NA	Solid	5035	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

GC VOA (Continued)

Prep Batch: 6492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-53	SB-18-60	Total/NA	Solid	5035	
890-1100-54	SB-21A-2	Total/NA	Solid	5035	
890-1100-55	SB-21A-4	Total/NA	Solid	5035	
890-1100-56	SB-21A-15	Total/NA	Solid	5035	
890-1100-57	SB-21A-35	Total/NA	Solid	5035	
890-1100-58	SB-21A-55	Total/NA	Solid	5035	
890-1100-59	SB-21A-60	Total/NA	Solid	5035	
890-1100-60	SB-28-2	Total/NA	Solid	5035	
MB 880-6492/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6492/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6492/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1100-41 MS	SB-22-30	Total/NA	Solid	5035	
890-1100-41 MSD	SB-22-30	Total/NA	Solid	5035	

Analysis Batch: 6493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1100-41	SB-22-30	Total/NA	Solid	8021B	6492
890-1100-42	SB-22-45	Total/NA	Solid	8021B	6492
890-1100-43	SB-22-50	Total/NA	Solid	8021B	6492
890-1100-44	SB-19-2	Total/NA	Solid	8021B	6492
890-1100-45	SB-19-4	Total/NA	Solid	8021B	6492
890-1100-46	SB-19-20	Total/NA	Solid	8021B	6492
890-1100-47	SB-19-45	Total/NA	Solid	8021B	6492
890-1100-48	SB-19-50	Total/NA	Solid	8021B	6492
890-1100-49	SB-18-2	Total/NA	Solid	8021B	6492
890-1100-50	SB-18-4	Total/NA	Solid	8021B	6492
890-1100-51	SB-18-30	Total/NA	Solid	8021B	6492
890-1100-52	SB-18-55	Total/NA	Solid	8021B	6492
890-1100-53	SB-18-60	Total/NA	Solid	8021B	6492
890-1100-54	SB-21A-2	Total/NA	Solid	8021B	6492
890-1100-55	SB-21A-4	Total/NA	Solid	8021B	6492
890-1100-56	SB-21A-15	Total/NA	Solid	8021B	6492
890-1100-57	SB-21A-35	Total/NA	Solid	8021B	6492
890-1100-58	SB-21A-55	Total/NA	Solid	8021B	6492
890-1100-59	SB-21A-60	Total/NA	Solid	8021B	6492
890-1100-60	SB-28-2	Total/NA	Solid	8021B	6492
890-1100-81	SB-21C-2	Total/NA	Solid	8021B	6514
890-1100-82	SB-21C-4	Total/NA	Solid	8021B	6514
890-1100-83	SB-21C-6	Total/NA	Solid	8021B	6514
890-1100-84	SB-21C-15	Total/NA	Solid	8021B	6514
890-1100-85	SB-21C-20	Total/NA	Solid	8021B	6514
MB 880-6478/5-A	Method Blank	Total/NA	Solid	8021B	6478
MB 880-6492/5-A	Method Blank	Total/NA	Solid	8021B	6492
MB 880-6514/5-A	Method Blank	Total/NA	Solid	8021B	6514
LCS 880-6492/1-A	Lab Control Sample	Total/NA	Solid	8021B	6492
LCS 880-6514/1-A	Lab Control Sample	Total/NA	Solid	8021B	6514
LCSD 880-6492/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6492
LCSD 880-6514/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6514
890-1100-41 MS	SB-22-30	Total/NA	Solid	8021B	6492
890-1100-41 MSD	SB-22-30	Total/NA	Solid	8021B	6492
890-1100-81 MS	SB-21C-2	Total/NA	Solid	8021B	6514

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1
SDG: 11220747

GC VOA (Continued)

Analysis Batch: 6493 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-81 MSD	SB-21C-2	Total/NA	Solid	8021B	6514

Prep Batch: 6494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-61	SB-28-4	Total/NA	Solid	5035	
890-1100-62	SB-28-20	Total/NA	Solid	5035	
890-1100-63	SB-28-25	Total/NA	Solid	5035	
890-1100-64	SB-28-40	Total/NA	Solid	5035	
890-1100-65	SB-28-45	Total/NA	Solid	5035	
890-1100-66	SB-40A-2	Total/NA	Solid	5035	
890-1100-67	SB-40A-4	Total/NA	Solid	5035	
890-1100-68	SB-40A-10	Total/NA	Solid	5035	
890-1100-69	SB-40A-20	Total/NA	Solid	5035	
890-1100-70	SB-40A-25	Total/NA	Solid	5035	
890-1100-71	SB-27A-2	Total/NA	Solid	5035	
890-1100-72	SB-27A-4	Total/NA	Solid	5035	
890-1100-73	SB-27A-10	Total/NA	Solid	5035	
890-1100-74	SB-27A-15	Total/NA	Solid	5035	
890-1100-75	SB-27A-20	Total/NA	Solid	5035	
890-1100-76	SB-21B-2	Total/NA	Solid	5035	
890-1100-77	SB-21B-4	Total/NA	Solid	5035	
890-1100-78	SB-21B-6	Total/NA	Solid	5035	
890-1100-79	SB-21B-15	Total/NA	Solid	5035	
890-1100-80	SB-21B-20	Total/NA	Solid	5035	
MB 880-6494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1100-61 MSD	SB-28-4	Total/NA	Solid	5035	

Analysis Batch: 6495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-1	SB-33-2	Total/NA	Solid	8021B	6479
890-1100-2	SB-33-4	Total/NA	Solid	8021B	6479
890-1100-3	SB-33-20	Total/NA	Solid	8021B	6479
890-1100-4	SB-33-55	Total/NA	Solid	8021B	6479
890-1100-5	SB-33-60	Total/NA	Solid	8021B	6479
890-1100-6	SB-33-65	Total/NA	Solid	8021B	6479
890-1100-7	SB-31-2	Total/NA	Solid	8021B	6479
890-1100-8	SB-31-4	Total/NA	Solid	8021B	6479
890-1100-9	SB-31-15	Total/NA	Solid	8021B	6479
890-1100-10	SB-31-25	Total/NA	Solid	8021B	6479
890-1100-11	SB-31-30	Total/NA	Solid	8021B	6479
890-1100-12	SB-30-2	Total/NA	Solid	8021B	6479
890-1100-13	SB-30-4	Total/NA	Solid	8021B	6479
890-1100-14	SB-30-8	Total/NA	Solid	8021B	6479
890-1100-15	SB-30-25	Total/NA	Solid	8021B	6479
890-1100-16	SB-30-30	Total/NA	Solid	8021B	6479
890-1100-17	SB-26-2	Total/NA	Solid	8021B	6479
890-1100-18	SB-26-4	Total/NA	Solid	8021B	6479
890-1100-19	SB-26-15	Total/NA	Solid	8021B	6479
890-1100-20	SB-26-25	Total/NA	Solid	8021B	6479

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Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC VOA (Continued)

Analysis Batch: 6495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-61	SB-28-4	Total/NA	Solid	8021B	6494
890-1100-62	SB-28-20	Total/NA	Solid	8021B	6494
890-1100-63	SB-28-25	Total/NA	Solid	8021B	6494
890-1100-64	SB-28-40	Total/NA	Solid	8021B	6494
890-1100-65	SB-28-45	Total/NA	Solid	8021B	6494
890-1100-66	SB-40A-2	Total/NA	Solid	8021B	6494
890-1100-67	SB-40A-4	Total/NA	Solid	8021B	6494
890-1100-68	SB-40A-10	Total/NA	Solid	8021B	6494
890-1100-69	SB-40A-20	Total/NA	Solid	8021B	6494
890-1100-70	SB-40A-25	Total/NA	Solid	8021B	6494
890-1100-71	SB-27A-2	Total/NA	Solid	8021B	6494
890-1100-72	SB-27A-4	Total/NA	Solid	8021B	6494
890-1100-73	SB-27A-10	Total/NA	Solid	8021B	6494
890-1100-74	SB-27A-15	Total/NA	Solid	8021B	6494
890-1100-75	SB-27A-20	Total/NA	Solid	8021B	6494
890-1100-76	SB-21B-2	Total/NA	Solid	8021B	6494
890-1100-77	SB-21B-4	Total/NA	Solid	8021B	6494
890-1100-78	SB-21B-6	Total/NA	Solid	8021B	6494
890-1100-79	SB-21B-15	Total/NA	Solid	8021B	6494
890-1100-80	SB-21B-20	Total/NA	Solid	8021B	6494
MB 880-6457/5-A	Method Blank	Total/NA	Solid	8021B	6457
MB 880-6479/5-A	Method Blank	Total/NA	Solid	8021B	6479
MB 880-6494/5-A	Method Blank	Total/NA	Solid	8021B	6494
LCS 880-6479/1-A	Lab Control Sample	Total/NA	Solid	8021B	6479
LCS 880-6494/1-A	Lab Control Sample	Total/NA	Solid	8021B	6494
LCSD 880-6479/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6479
LCSD 880-6494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6494
890-1100-1 MS	SB-33-2	Total/NA	Solid	8021B	
890-1100-1 MSD	SB-33-2	Total/NA	Solid	8021B	6479
890-1100-61 MS	SB-28-4	Total/NA	Solid	8021B	
890-1100-61 MSD	SB-28-4	Total/NA	Solid	8021B	6494

Prep Batch: 6497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1100-21	SB-26-30	Total/NA	Solid	5035	
890-1100-22	SB-25-2	Total/NA	Solid	5035	
890-1100-23	SB-25-4	Total/NA	Solid	5035	
890-1100-24	SB-25-15	Total/NA	Solid	5035	
890-1100-25	SB-25-30	Total/NA	Solid	5035	
890-1100-26	SB-25-40	Total/NA	Solid	5035	
890-1100-27	SB-25-45	Total/NA	Solid	5035	
890-1100-28	SB-24-2	Total/NA	Solid	5035	
890-1100-29	SB-24-4	Total/NA	Solid	5035	
890-1100-30	SB-24-15	Total/NA	Solid	5035	
890-1100-31	SB-24-25	Total/NA	Solid	5035	
890-1100-32	SB-24-30	Total/NA	Solid	5035	
890-1100-33	SB-29-2	Total/NA	Solid	5035	
890-1100-34	SB-29-4	Total/NA	Solid	5035	
890-1100-35	SB-29-10	Total/NA	Solid	5035	
890-1100-36	SB-29-15	Total/NA	Solid	5035	
890-1100-37	SB-29-25	Total/NA	Solid	5035	

Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC VOA (Continued)

Prep Batch: 6497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-38	SB-22-2	Total/NA	Solid	5035	
890-1100-39	SB-22-4	Total/NA	Solid	5035	
890-1100-40	SB-22-15	Total/NA	Solid	5035	
MB 880-6497/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6497/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6497/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1100-21 MSD	SB-26-30	Total/NA	Solid	5035	

Analysis Batch: 6512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-21	SB-26-30	Total/NA	Solid	8021B	6497
890-1100-22	SB-25-2	Total/NA	Solid	8021B	6497
890-1100-23	SB-25-4	Total/NA	Solid	8021B	6497
890-1100-24	SB-25-15	Total/NA	Solid	8021B	6497
890-1100-25	SB-25-30	Total/NA	Solid	8021B	6497
890-1100-26	SB-25-40	Total/NA	Solid	8021B	6497
890-1100-27	SB-25-45	Total/NA	Solid	8021B	6497
890-1100-28	SB-24-2	Total/NA	Solid	8021B	6497
890-1100-29	SB-24-4	Total/NA	Solid	8021B	6497
890-1100-30	SB-24-15	Total/NA	Solid	8021B	6497
890-1100-31	SB-24-25	Total/NA	Solid	8021B	6497
890-1100-32	SB-24-30	Total/NA	Solid	8021B	6497
890-1100-33	SB-29-2	Total/NA	Solid	8021B	6497
890-1100-34	SB-29-4	Total/NA	Solid	8021B	6497
890-1100-35	SB-29-10	Total/NA	Solid	8021B	6497
890-1100-36	SB-29-15	Total/NA	Solid	8021B	6497
890-1100-37	SB-29-25	Total/NA	Solid	8021B	6497
890-1100-38	SB-22-2	Total/NA	Solid	8021B	6497
890-1100-39	SB-22-4	Total/NA	Solid	8021B	6497
890-1100-40	SB-22-15	Total/NA	Solid	8021B	6497
MB 880-6455/5-A	Method Blank	Total/NA	Solid	8021B	6455
MB 880-6497/5-A	Method Blank	Total/NA	Solid	8021B	6497
LCS 880-6497/1-A	Lab Control Sample	Total/NA	Solid	8021B	6497
LCSD 880-6497/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6497
890-1100-21 MS	SB-26-30	Total/NA	Solid	8021B	
890-1100-21 MSD	SB-26-30	Total/NA	Solid	8021B	6497

Prep Batch: 6514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-81	SB-21C-2	Total/NA	Solid	5035	
890-1100-82	SB-21C-4	Total/NA	Solid	5035	
890-1100-83	SB-21C-6	Total/NA	Solid	5035	
890-1100-84	SB-21C-15	Total/NA	Solid	5035	
890-1100-85	SB-21C-20	Total/NA	Solid	5035	
MB 880-6514/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6514/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6514/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1100-81 MS	SB-21C-2	Total/NA	Solid	5035	
890-1100-81 MSD	SB-21C-2	Total/NA	Solid	5035	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

GC Semi VOA

Prep Batch: 6569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-1	SB-33-2	Total/NA	Solid	8015NM Prep	
890-1100-2	SB-33-4	Total/NA	Solid	8015NM Prep	
890-1100-3	SB-33-20	Total/NA	Solid	8015NM Prep	
890-1100-4	SB-33-55	Total/NA	Solid	8015NM Prep	
890-1100-5	SB-33-60	Total/NA	Solid	8015NM Prep	
890-1100-6	SB-33-65	Total/NA	Solid	8015NM Prep	
890-1100-7	SB-31-2	Total/NA	Solid	8015NM Prep	
890-1100-8	SB-31-4	Total/NA	Solid	8015NM Prep	
890-1100-9	SB-31-15	Total/NA	Solid	8015NM Prep	
890-1100-10	SB-31-25	Total/NA	Solid	8015NM Prep	
890-1100-11	SB-31-30	Total/NA	Solid	8015NM Prep	
890-1100-12	SB-30-2	Total/NA	Solid	8015NM Prep	
890-1100-13	SB-30-4	Total/NA	Solid	8015NM Prep	
890-1100-14	SB-30-8	Total/NA	Solid	8015NM Prep	
890-1100-15	SB-30-25	Total/NA	Solid	8015NM Prep	
890-1100-16	SB-30-30	Total/NA	Solid	8015NM Prep	
890-1100-17	SB-26-2	Total/NA	Solid	8015NM Prep	
890-1100-18	SB-26-4	Total/NA	Solid	8015NM Prep	
890-1100-19	SB-26-15	Total/NA	Solid	8015NM Prep	
890-1100-20	SB-26-25	Total/NA	Solid	8015NM Prep	
MB 880-6569/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6569/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6569/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1100-1 MS	SB-33-2	Total/NA	Solid	8015NM Prep	
890-1100-1 MSD	SB-33-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 6570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-1	SB-33-2	Total/NA	Solid	8015B NM	6569
890-1100-2	SB-33-4	Total/NA	Solid	8015B NM	6569
890-1100-3	SB-33-20	Total/NA	Solid	8015B NM	6569
890-1100-4	SB-33-55	Total/NA	Solid	8015B NM	6569
890-1100-5	SB-33-60	Total/NA	Solid	8015B NM	6569
890-1100-7	SB-31-2	Total/NA	Solid	8015B NM	6569
890-1100-8	SB-31-4	Total/NA	Solid	8015B NM	6569
890-1100-9	SB-31-15	Total/NA	Solid	8015B NM	6569
890-1100-10	SB-31-25	Total/NA	Solid	8015B NM	6569
890-1100-11	SB-31-30	Total/NA	Solid	8015B NM	6569
890-1100-12	SB-30-2	Total/NA	Solid	8015B NM	6569
890-1100-13	SB-30-4	Total/NA	Solid	8015B NM	6569
890-1100-14	SB-30-8	Total/NA	Solid	8015B NM	6569
890-1100-15	SB-30-25	Total/NA	Solid	8015B NM	6569
890-1100-16	SB-30-30	Total/NA	Solid	8015B NM	6569
890-1100-17	SB-26-2	Total/NA	Solid	8015B NM	6569
890-1100-18	SB-26-4	Total/NA	Solid	8015B NM	6569
890-1100-19	SB-26-15	Total/NA	Solid	8015B NM	6569
890-1100-20	SB-26-25	Total/NA	Solid	8015B NM	6569
MB 880-6569/1-A	Method Blank	Total/NA	Solid	8015B NM	6569
LCS 880-6569/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6569
LCSD 880-6569/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6569
890-1100-1 MS	SB-33-2	Total/NA	Solid	8015B NM	6569

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Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC Semi VOA (Continued)

Analysis Batch: 6570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-1 MSD	SB-33-2	Total/NA	Solid	8015B NM	6569

Prep Batch: 6577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-21	SB-26-30	Total/NA	Solid	8015NM Prep	
890-1100-22	SB-25-2	Total/NA	Solid	8015NM Prep	
890-1100-23	SB-25-4	Total/NA	Solid	8015NM Prep	
890-1100-24	SB-25-15	Total/NA	Solid	8015NM Prep	
890-1100-25	SB-25-30	Total/NA	Solid	8015NM Prep	
890-1100-26	SB-25-40	Total/NA	Solid	8015NM Prep	
890-1100-27	SB-25-45	Total/NA	Solid	8015NM Prep	
890-1100-28	SB-24-2	Total/NA	Solid	8015NM Prep	
890-1100-29	SB-24-4	Total/NA	Solid	8015NM Prep	
890-1100-30	SB-24-15	Total/NA	Solid	8015NM Prep	
890-1100-31	SB-24-25	Total/NA	Solid	8015NM Prep	
890-1100-32	SB-24-30	Total/NA	Solid	8015NM Prep	
890-1100-33	SB-29-2	Total/NA	Solid	8015NM Prep	
890-1100-34	SB-29-4	Total/NA	Solid	8015NM Prep	
890-1100-35	SB-29-10	Total/NA	Solid	8015NM Prep	
890-1100-36	SB-29-15	Total/NA	Solid	8015NM Prep	
890-1100-37	SB-29-25	Total/NA	Solid	8015NM Prep	
890-1100-38	SB-22-2	Total/NA	Solid	8015NM Prep	
890-1100-39	SB-22-4	Total/NA	Solid	8015NM Prep	
890-1100-40	SB-22-15	Total/NA	Solid	8015NM Prep	
MB 880-6577/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6577/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1100-21 MS	SB-26-30	Total/NA	Solid	8015NM Prep	
890-1100-21 MSD	SB-26-30	Total/NA	Solid	8015NM Prep	

Prep Batch: 6578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1100-41	SB-22-30	Total/NA	Solid	8015NM Prep	
890-1100-42	SB-22-45	Total/NA	Solid	8015NM Prep	
890-1100-43	SB-22-50	Total/NA	Solid	8015NM Prep	
890-1100-44	SB-19-2	Total/NA	Solid	8015NM Prep	
890-1100-45	SB-19-4	Total/NA	Solid	8015NM Prep	
890-1100-46	SB-19-20	Total/NA	Solid	8015NM Prep	
890-1100-47	SB-19-45	Total/NA	Solid	8015NM Prep	
890-1100-48	SB-19-50	Total/NA	Solid	8015NM Prep	
890-1100-49	SB-18-2	Total/NA	Solid	8015NM Prep	
890-1100-50	SB-18-4	Total/NA	Solid	8015NM Prep	
890-1100-51	SB-18-30	Total/NA	Solid	8015NM Prep	
890-1100-52	SB-18-55	Total/NA	Solid	8015NM Prep	
890-1100-53	SB-18-60	Total/NA	Solid	8015NM Prep	
890-1100-54	SB-21A-2	Total/NA	Solid	8015NM Prep	
890-1100-55	SB-21A-4	Total/NA	Solid	8015NM Prep	
890-1100-56	SB-21A-15	Total/NA	Solid	8015NM Prep	
890-1100-57	SB-21A-35	Total/NA	Solid	8015NM Prep	
890-1100-58	SB-21A-55	Total/NA	Solid	8015NM Prep	
890-1100-59	SB-21A-60	Total/NA	Solid	8015NM Prep	

Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

GC Semi VOA (Continued)

Prep Batch: 6578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-60	SB-28-2	Total/NA	Solid	8015NM Prep	
MB 880-6578/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6578/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6578/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1100-42 MS	SB-22-45	Total/NA	Solid	8015NM Prep	
890-1100-42 MSD	SB-22-45	Total/NA	Solid	8015NM Prep	

Prep Batch: 6579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Pr	rep Batch
890-1100-61	SB-28-4	Total/NA	Solid	8015NM Prep	
890-1100-62	SB-28-20	Total/NA	Solid	8015NM Prep	
890-1100-63	SB-28-25	Total/NA	Solid	8015NM Prep	
890-1100-64	SB-28-40	Total/NA	Solid	8015NM Prep	
890-1100-65	SB-28-45	Total/NA	Solid	8015NM Prep	
890-1100-66	SB-40A-2	Total/NA	Solid	8015NM Prep	
890-1100-67	SB-40A-4	Total/NA	Solid	8015NM Prep	
890-1100-68	SB-40A-10	Total/NA	Solid	8015NM Prep	
890-1100-69	SB-40A-20	Total/NA	Solid	8015NM Prep	
890-1100-70	SB-40A-25	Total/NA	Solid	8015NM Prep	
890-1100-71	SB-27A-2	Total/NA	Solid	8015NM Prep	
890-1100-72	SB-27A-4	Total/NA	Solid	8015NM Prep	
890-1100-73	SB-27A-10	Total/NA	Solid	8015NM Prep	
890-1100-74	SB-27A-15	Total/NA	Solid	8015NM Prep	
890-1100-75	SB-27A-20	Total/NA	Solid	8015NM Prep	
890-1100-76	SB-21B-2	Total/NA	Solid	8015NM Prep	
890-1100-77	SB-21B-4	Total/NA	Solid	8015NM Prep	
890-1100-78	SB-21B-6	Total/NA	Solid	8015NM Prep	
890-1100-79	SB-21B-15	Total/NA	Solid	8015NM Prep	
890-1100-80	SB-21B-20	Total/NA	Solid	8015NM Prep	
MB 880-6579/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6579/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6579/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1100-61 MS	SB-28-4	Total/NA	Solid	8015NM Prep	
890-1100-61 MSD	SB-28-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 6580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-21	SB-26-30	Total/NA	Solid	8015B NM	6577
890-1100-22	SB-25-2	Total/NA	Solid	8015B NM	6577
890-1100-23	SB-25-4	Total/NA	Solid	8015B NM	6577
890-1100-24	SB-25-15	Total/NA	Solid	8015B NM	6577
890-1100-25	SB-25-30	Total/NA	Solid	8015B NM	6577
890-1100-26	SB-25-40	Total/NA	Solid	8015B NM	6577
890-1100-27	SB-25-45	Total/NA	Solid	8015B NM	6577
890-1100-28	SB-24-2	Total/NA	Solid	8015B NM	6577
890-1100-29	SB-24-4	Total/NA	Solid	8015B NM	6577
890-1100-30	SB-24-15	Total/NA	Solid	8015B NM	6577
890-1100-31	SB-24-25	Total/NA	Solid	8015B NM	6577
890-1100-32	SB-24-30	Total/NA	Solid	8015B NM	6577
890-1100-33	SB-29-2	Total/NA	Solid	8015B NM	6577
890-1100-34	SB-29-4	Total/NA	Solid	8015B NM	6577

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Page 97 of 145

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1
SDG: 11220747

GC Semi VOA (Continued)

Analysis Batch: 6580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-35	SB-29-10	Total/NA	Solid	8015B NM	6577
890-1100-36	SB-29-15	Total/NA	Solid	8015B NM	6577
890-1100-37	SB-29-25	Total/NA	Solid	8015B NM	6577
890-1100-38	SB-22-2	Total/NA	Solid	8015B NM	6577
890-1100-39	SB-22-4	Total/NA	Solid	8015B NM	6577
890-1100-40	SB-22-15	Total/NA	Solid	8015B NM	6577
MB 880-6577/1-A	Method Blank	Total/NA	Solid	8015B NM	6577
LCS 880-6577/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6577
LCSD 880-6577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6577
890-1100-21 MS	SB-26-30	Total/NA	Solid	8015B NM	6577
890-1100-21 MSD	SB-26-30	Total/NA	Solid	8015B NM	6577

Analysis Batch: 6582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-41	SB-22-30	Total/NA	Solid	8015B NM	6578
890-1100-42	SB-22-45	Total/NA	Solid	8015B NM	6578
890-1100-43	SB-22-50	Total/NA	Solid	8015B NM	6578
890-1100-44	SB-19-2	Total/NA	Solid	8015B NM	6578
890-1100-45	SB-19-4	Total/NA	Solid	8015B NM	6578
890-1100-46	SB-19-20	Total/NA	Solid	8015B NM	6578
890-1100-47	SB-19-45	Total/NA	Solid	8015B NM	6578
890-1100-48	SB-19-50	Total/NA	Solid	8015B NM	6578
890-1100-49	SB-18-2	Total/NA	Solid	8015B NM	6578
890-1100-50	SB-18-4	Total/NA	Solid	8015B NM	6578
890-1100-51	SB-18-30	Total/NA	Solid	8015B NM	6578
890-1100-52	SB-18-55	Total/NA	Solid	8015B NM	6578
890-1100-53	SB-18-60	Total/NA	Solid	8015B NM	6578
890-1100-54	SB-21A-2	Total/NA	Solid	8015B NM	6578
890-1100-55	SB-21A-4	Total/NA	Solid	8015B NM	6578
890-1100-56	SB-21A-15	Total/NA	Solid	8015B NM	6578
890-1100-57	SB-21A-35	Total/NA	Solid	8015B NM	6578
890-1100-58	SB-21A-55	Total/NA	Solid	8015B NM	6578
890-1100-59	SB-21A-60	Total/NA	Solid	8015B NM	6578
890-1100-60	SB-28-2	Total/NA	Solid	8015B NM	6578
MB 880-6578/1-A	Method Blank	Total/NA	Solid	8015B NM	6578
LCS 880-6578/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6578
LCSD 880-6578/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6578
890-1100-42 MS	SB-22-45	Total/NA	Solid	8015B NM	6578
890-1100-42 MSD	SB-22-45	Total/NA	Solid	8015B NM	6578

Analysis Batch: 6584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-61	SB-28-4	Total/NA	Solid	8015B NM	6579
890-1100-62	SB-28-20	Total/NA	Solid	8015B NM	6579
890-1100-63	SB-28-25	Total/NA	Solid	8015B NM	6579
890-1100-64	SB-28-40	Total/NA	Solid	8015B NM	6579
890-1100-65	SB-28-45	Total/NA	Solid	8015B NM	6579
890-1100-66	SB-40A-2	Total/NA	Solid	8015B NM	6579
890-1100-67	SB-40A-4	Total/NA	Solid	8015B NM	6579
890-1100-68	SB-40A-10	Total/NA	Solid	8015B NM	6579
890-1100-69	SB-40A-20	Total/NA	Solid	8015B NM	6579

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Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1
SDG: 11220747

GC Semi VOA (Continued)

Analysis Batch: 6584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-70	SB-40A-25	Total/NA	Solid	8015B NM	6579
890-1100-71	SB-27A-2	Total/NA	Solid	8015B NM	6579
890-1100-72	SB-27A-4	Total/NA	Solid	8015B NM	6579
890-1100-73	SB-27A-10	Total/NA	Solid	8015B NM	6579
890-1100-74	SB-27A-15	Total/NA	Solid	8015B NM	6579
890-1100-75	SB-27A-20	Total/NA	Solid	8015B NM	6579
890-1100-76	SB-21B-2	Total/NA	Solid	8015B NM	6579
890-1100-77	SB-21B-4	Total/NA	Solid	8015B NM	6579
890-1100-78	SB-21B-6	Total/NA	Solid	8015B NM	6579
890-1100-79	SB-21B-15	Total/NA	Solid	8015B NM	6579
890-1100-80	SB-21B-20	Total/NA	Solid	8015B NM	6579
MB 880-6579/1-A	Method Blank	Total/NA	Solid	8015B NM	6579
LCS 880-6579/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6579
LCSD 880-6579/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6579
890-1100-61 MS	SB-28-4	Total/NA	Solid	8015B NM	6579
890-1100-61 MSD	SB-28-4	Total/NA	Solid	8015B NM	6579

Prep Batch: 6589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-81	SB-21C-2	Total/NA	Solid	8015NM Prep	-
890-1100-82	SB-21C-4	Total/NA	Solid	8015NM Prep	
890-1100-83	SB-21C-6	Total/NA	Solid	8015NM Prep	
890-1100-84	SB-21C-15	Total/NA	Solid	8015NM Prep	
890-1100-85	SB-21C-20	Total/NA	Solid	8015NM Prep	
MB 880-6589/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6589/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1100-81 MS	SB-21C-2	Total/NA	Solid	8015NM Prep	
890-1100-81 MSD	SB-21C-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 6591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-6	SB-33-65	Total/NA	Solid	8015B NM	6569
890-1100-81	SB-21C-2	Total/NA	Solid	8015B NM	6589
890-1100-82	SB-21C-4	Total/NA	Solid	8015B NM	6589
890-1100-83	SB-21C-6	Total/NA	Solid	8015B NM	6589
890-1100-84	SB-21C-15	Total/NA	Solid	8015B NM	6589
890-1100-85	SB-21C-20	Total/NA	Solid	8015B NM	6589
MB 880-6589/1-A	Method Blank	Total/NA	Solid	8015B NM	6589
LCS 880-6589/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6589
LCSD 880-6589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6589
890-1100-81 MS	SB-21C-2	Total/NA	Solid	8015B NM	6589
890-1100-81 MSD	SB-21C-2	Total/NA	Solid	8015B NM	6589

HPLC/IC

Leach Batch: 6529

Lab Sample ID 890-1100-33	Client Sample ID SB-29-2	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-1100-34	SB-29-4	Soluble	Solid	DI Leach	
890-1100-35	SB-29-10	Soluble	Solid	DI Leach	

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Page 99 of 145

1

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14

9/19/2021 (Dov. 1

Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

HPLC/IC (Continued)

Leach Batch: 6529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-36	SB-29-15	Soluble	Solid	DI Leach	
890-1100-37	SB-29-25	Soluble	Solid	DI Leach	
890-1100-38	SB-22-2	Soluble	Solid	DI Leach	
890-1100-39	SB-22-4	Soluble	Solid	DI Leach	
890-1100-40	SB-22-15	Soluble	Solid	DI Leach	
890-1100-41	SB-22-30	Soluble	Solid	DI Leach	
890-1100-42	SB-22-45	Soluble	Solid	DI Leach	
MB 880-6529/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6529/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6529/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1100-35 MS	SB-29-10	Soluble	Solid	DI Leach	
890-1100-35 MSD	SB-29-10	Soluble	Solid	DI Leach	

Leach Batch: 6530

Lab Sample ID 890-1100-1	Client Sample ID SB-33-2	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
890-1100-2	SB-33-4	Soluble	Solid	DI Leach	
MB 880-6530/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6530/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6530/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 6531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-46	SB-19-20	Soluble	Solid	DI Leach	
890-1100-47	SB-19-45	Soluble	Solid	DI Leach	
890-1100-48	SB-19-50	Soluble	Solid	DI Leach	
890-1100-49	SB-18-2	Soluble	Solid	DI Leach	
890-1100-50	SB-18-4	Soluble	Solid	DI Leach	
890-1100-51	SB-18-30	Soluble	Solid	DI Leach	
890-1100-52	SB-18-55	Soluble	Solid	DI Leach	
890-1100-53	SB-18-60	Soluble	Solid	DI Leach	
890-1100-54	SB-21A-2	Soluble	Solid	DI Leach	
890-1100-55	SB-21A-4	Soluble	Solid	DI Leach	
890-1100-56	SB-21A-15	Soluble	Solid	DI Leach	
890-1100-57	SB-21A-35	Soluble	Solid	DI Leach	
890-1100-58	SB-21A-55	Soluble	Solid	DI Leach	
890-1100-59	SB-21A-60	Soluble	Solid	DI Leach	
890-1100-60	SB-28-2	Soluble	Solid	DI Leach	
890-1100-61	SB-28-4	Soluble	Solid	DI Leach	
890-1100-62	SB-28-20	Soluble	Solid	DI Leach	
890-1100-63	SB-28-25	Soluble	Solid	DI Leach	
890-1100-64	SB-28-40	Soluble	Solid	DI Leach	
890-1100-65	SB-28-45	Soluble	Solid	DI Leach	
MB 880-6531/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6531/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6531/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1100-46 MS	SB-19-20	Soluble	Solid	DI Leach	
890-1100-46 MSD	SB-19-20	Soluble	Solid	DI Leach	
890-1100-56 MS	SB-21A-15	Soluble	Solid	DI Leach	
890-1100-56 MSD	SB-21A-15	Soluble	Solid	DI Leach	

Job ID: 890-1100-1 Client: GHD Services Inc. SDG: 11220747 Project/Site: Flamenco #1

HPLC/IC

Leach Batch: 6532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-66	SB-40A-2	Soluble	Solid	DI Leach	
890-1100-67	SB-40A-4	Soluble	Solid	DI Leach	
890-1100-68	SB-40A-10	Soluble	Solid	DI Leach	
890-1100-69	SB-40A-20	Soluble	Solid	DI Leach	
890-1100-70	SB-40A-25	Soluble	Solid	DI Leach	
890-1100-71	SB-27A-2	Soluble	Solid	DI Leach	
890-1100-72	SB-27A-4	Soluble	Solid	DI Leach	
890-1100-73	SB-27A-10	Soluble	Solid	DI Leach	
890-1100-74	SB-27A-15	Soluble	Solid	DI Leach	
890-1100-75	SB-27A-20	Soluble	Solid	DI Leach	
890-1100-76	SB-21B-2	Soluble	Solid	DI Leach	
890-1100-77	SB-21B-4	Soluble	Solid	DI Leach	
890-1100-78	SB-21B-6	Soluble	Solid	DI Leach	
890-1100-79	SB-21B-15	Soluble	Solid	DI Leach	
890-1100-80	SB-21B-20	Soluble	Solid	DI Leach	
890-1100-81	SB-21C-2	Soluble	Solid	DI Leach	
890-1100-82	SB-21C-4	Soluble	Solid	DI Leach	
890-1100-83	SB-21C-6	Soluble	Solid	DI Leach	
890-1100-84	SB-21C-15	Soluble	Solid	DI Leach	
890-1100-85	SB-21C-20	Soluble	Solid	DI Leach	
MB 880-6532/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6532/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6532/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1100-66 MS	SB-40A-2	Soluble	Solid	DI Leach	
890-1100-66 MSD	SB-40A-2	Soluble	Solid	DI Leach	
890-1100-76 MS	SB-21B-2	Soluble	Solid	DI Leach	
890-1100-76 MSD	SB-21B-2	Soluble	Solid	DI Leach	

Leach Batch: 6533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1100-13	SB-30-4	Soluble	Solid	DI Leach	
890-1100-14	SB-30-8	Soluble	Solid	DI Leach	
890-1100-15	SB-30-25	Soluble	Solid	DI Leach	
890-1100-16	SB-30-30	Soluble	Solid	DI Leach	
890-1100-17	SB-26-2	Soluble	Solid	DI Leach	
890-1100-18	SB-26-4	Soluble	Solid	DI Leach	
890-1100-19	SB-26-15	Soluble	Solid	DI Leach	
890-1100-20	SB-26-25	Soluble	Solid	DI Leach	
890-1100-21	SB-26-30	Soluble	Solid	DI Leach	
890-1100-22	SB-25-2	Soluble	Solid	DI Leach	
890-1100-23	SB-25-4	Soluble	Solid	DI Leach	
890-1100-24	SB-25-15	Soluble	Solid	DI Leach	
890-1100-25	SB-25-30	Soluble	Solid	DI Leach	
890-1100-26	SB-25-40	Soluble	Solid	DI Leach	
890-1100-27	SB-25-45	Soluble	Solid	DI Leach	
890-1100-28	SB-24-2	Soluble	Solid	DI Leach	
890-1100-29	SB-24-4	Soluble	Solid	DI Leach	
890-1100-30	SB-24-15	Soluble	Solid	DI Leach	
890-1100-31	SB-24-25	Soluble	Solid	DI Leach	
890-1100-32	SB-24-30	Soluble	Solid	DI Leach	
MB 880-6533/1-A	Method Blank	Soluble	Solid	DI Leach	

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

HPLC/IC (Continued)

Leach Batch: 6533 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-6533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1100-13 MS	SB-30-4	Soluble	Solid	DI Leach	
890-1100-13 MSD	SB-30-4	Soluble	Solid	DI Leach	
890-1100-23 MS	SB-25-4	Soluble	Solid	DI Leach	
890-1100-23 MSD	SB-25-4	Soluble	Solid	DI Leach	

Leach Batch: 6534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-3	SB-33-20	Soluble	Solid	DI Leach	
890-1100-4	SB-33-55	Soluble	Solid	DI Leach	
890-1100-5	SB-33-60	Soluble	Solid	DI Leach	
890-1100-6	SB-33-65	Soluble	Solid	DI Leach	
890-1100-7	SB-31-2	Soluble	Solid	DI Leach	
890-1100-8	SB-31-4	Soluble	Solid	DI Leach	
890-1100-9	SB-31-15	Soluble	Solid	DI Leach	
890-1100-10	SB-31-25	Soluble	Solid	DI Leach	
890-1100-11	SB-31-30	Soluble	Solid	DI Leach	
890-1100-12	SB-30-2	Soluble	Solid	DI Leach	
MB 880-6534/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6534/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6534/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1100-3 MS	SB-33-20	Soluble	Solid	DI Leach	
890-1100-3 MSD	SB-33-20	Soluble	Solid	DI Leach	

Analysis Batch: 6545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-33	SB-29-2	Soluble	Solid	300.0	6529
890-1100-34	SB-29-4	Soluble	Solid	300.0	6529
890-1100-35	SB-29-10	Soluble	Solid	300.0	6529
890-1100-36	SB-29-15	Soluble	Solid	300.0	6529
890-1100-37	SB-29-25	Soluble	Solid	300.0	6529
890-1100-38	SB-22-2	Soluble	Solid	300.0	6529
890-1100-39	SB-22-4	Soluble	Solid	300.0	6529
890-1100-40	SB-22-15	Soluble	Solid	300.0	6529
890-1100-41	SB-22-30	Soluble	Solid	300.0	6529
890-1100-42	SB-22-45	Soluble	Solid	300.0	6529
MB 880-6529/1-A	Method Blank	Soluble	Solid	300.0	6529
LCS 880-6529/2-A	Lab Control Sample	Soluble	Solid	300.0	6529
LCSD 880-6529/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6529
890-1100-35 MS	SB-29-10	Soluble	Solid	300.0	6529
890-1100-35 MSD	SB-29-10	Soluble	Solid	300.0	6529

Leach Batch: 6546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-43	SB-22-50	Soluble	Solid	DI Leach	
890-1100-44	SB-19-2	Soluble	Solid	DI Leach	
890-1100-45	SB-19-4	Soluble	Solid	DI Leach	
MB 880-6546/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6546/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6546/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

Page 102 of 145

1

2

4

8

10

12

13

| | 4

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1
SDG: 11220747

HPLC/IC

Analysis Batch: 6557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-43	SB-22-50	Soluble	Solid	300.0	6546
890-1100-44	SB-19-2	Soluble	Solid	300.0	6546
890-1100-45	SB-19-4	Soluble	Solid	300.0	6546
MB 880-6546/1-A	Method Blank	Soluble	Solid	300.0	6546
LCS 880-6546/2-A	Lab Control Sample	Soluble	Solid	300.0	6546
LCSD 880-6546/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6546

Analysis Batch: 6559

Lab Sample ID 890-1100-1	Client Sample ID SB-33-2	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 6530
890-1100-2	SB-33-4	Soluble	Solid	300.0	6530
MB 880-6530/1-A	Method Blank	Soluble	Solid	300.0	6530
LCS 880-6530/2-A	Lab Control Sample	Soluble	Solid	300.0	6530
LCSD 880-6530/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6530

Analysis Batch: 6619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-3	SB-33-20	Soluble	Solid	300.0	6534
890-1100-4	SB-33-55	Soluble	Solid	300.0	6534
890-1100-5	SB-33-60	Soluble	Solid	300.0	6534
890-1100-6	SB-33-65	Soluble	Solid	300.0	6534
890-1100-7	SB-31-2	Soluble	Solid	300.0	6534
890-1100-8	SB-31-4	Soluble	Solid	300.0	6534
890-1100-9	SB-31-15	Soluble	Solid	300.0	6534
890-1100-10	SB-31-25	Soluble	Solid	300.0	6534
890-1100-11	SB-31-30	Soluble	Solid	300.0	6534
890-1100-12	SB-30-2	Soluble	Solid	300.0	6534
MB 880-6534/1-A	Method Blank	Soluble	Solid	300.0	6534
LCS 880-6534/2-A	Lab Control Sample	Soluble	Solid	300.0	6534
LCSD 880-6534/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6534
890-1100-3 MS	SB-33-20	Soluble	Solid	300.0	6534
890-1100-3 MSD	SB-33-20	Soluble	Solid	300.0	6534

Analysis Batch: 6621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1100-13	SB-30-4	Soluble	Solid	300.0	653
890-1100-14	SB-30-8	Soluble	Solid	300.0	6533
890-1100-15	SB-30-25	Soluble	Solid	300.0	6533
890-1100-16	SB-30-30	Soluble	Solid	300.0	6533
890-1100-17	SB-26-2	Soluble	Solid	300.0	6533
890-1100-18	SB-26-4	Soluble	Solid	300.0	6533
890-1100-19	SB-26-15	Soluble	Solid	300.0	6533
890-1100-20	SB-26-25	Soluble	Solid	300.0	6533
890-1100-21	SB-26-30	Soluble	Solid	300.0	6533
890-1100-22	SB-25-2	Soluble	Solid	300.0	653
890-1100-23	SB-25-4	Soluble	Solid	300.0	6533
890-1100-24	SB-25-15	Soluble	Solid	300.0	6533
890-1100-25	SB-25-30	Soluble	Solid	300.0	653
890-1100-26	SB-25-40	Soluble	Solid	300.0	6533
890-1100-27	SB-25-45	Soluble	Solid	300.0	653
890-1100-28	SB-24-2	Soluble	Solid	300.0	653

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Job ID: 890-1100-1 Client: GHD Services Inc. Project/Site: Flamenco #1 SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 6621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-29	SB-24-4	Soluble	Solid	300.0	6533
890-1100-30	SB-24-15	Soluble	Solid	300.0	6533
890-1100-31	SB-24-25	Soluble	Solid	300.0	6533
890-1100-32	SB-24-30	Soluble	Solid	300.0	6533
MB 880-6533/1-A	Method Blank	Soluble	Solid	300.0	6533
LCS 880-6533/2-A	Lab Control Sample	Soluble	Solid	300.0	6533
LCSD 880-6533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6533
890-1100-13 MS	SB-30-4	Soluble	Solid	300.0	6533
890-1100-13 MSD	SB-30-4	Soluble	Solid	300.0	6533
890-1100-23 MS	SB-25-4	Soluble	Solid	300.0	6533
890-1100-23 MSD	SB-25-4	Soluble	Solid	300.0	6533

Analysis Batch: 6622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-46	SB-19-20	Soluble	Solid	300.0	6531
890-1100-47	SB-19-45	Soluble	Solid	300.0	6531
890-1100-48	SB-19-50	Soluble	Solid	300.0	6531
890-1100-49	SB-18-2	Soluble	Solid	300.0	6531
890-1100-50	SB-18-4	Soluble	Solid	300.0	6531
890-1100-51	SB-18-30	Soluble	Solid	300.0	6531
890-1100-52	SB-18-55	Soluble	Solid	300.0	6531
890-1100-53	SB-18-60	Soluble	Solid	300.0	6531
890-1100-54	SB-21A-2	Soluble	Solid	300.0	6531
890-1100-55	SB-21A-4	Soluble	Solid	300.0	6531
890-1100-56	SB-21A-15	Soluble	Solid	300.0	6531
890-1100-57	SB-21A-35	Soluble	Solid	300.0	6531
890-1100-58	SB-21A-55	Soluble	Solid	300.0	6531
890-1100-59	SB-21A-60	Soluble	Solid	300.0	6531
890-1100-60	SB-28-2	Soluble	Solid	300.0	6531
890-1100-61	SB-28-4	Soluble	Solid	300.0	6531
890-1100-62	SB-28-20	Soluble	Solid	300.0	6531
890-1100-63	SB-28-25	Soluble	Solid	300.0	6531
890-1100-64	SB-28-40	Soluble	Solid	300.0	6531
890-1100-65	SB-28-45	Soluble	Solid	300.0	6531
MB 880-6531/1-A	Method Blank	Soluble	Solid	300.0	6531
LCS 880-6531/2-A	Lab Control Sample	Soluble	Solid	300.0	6531
LCSD 880-6531/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6531
890-1100-46 MS	SB-19-20	Soluble	Solid	300.0	6531
890-1100-46 MSD	SB-19-20	Soluble	Solid	300.0	6531
890-1100-56 MS	SB-21A-15	Soluble	Solid	300.0	6531
890-1100-56 MSD	SB-21A-15	Soluble	Solid	300.0	6531

Analysis Batch: 6623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-66	SB-40A-2	Soluble	Solid	300.0	6532
890-1100-67	SB-40A-4	Soluble	Solid	300.0	6532
890-1100-68	SB-40A-10	Soluble	Solid	300.0	6532
890-1100-69	SB-40A-20	Soluble	Solid	300.0	6532
890-1100-70	SB-40A-25	Soluble	Solid	300.0	6532
890-1100-71	SB-27A-2	Soluble	Solid	300.0	6532
890-1100-72	SB-27A-4	Soluble	Solid	300.0	6532

Client: GHD Services Inc.

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

HPLC/IC (Continued)

Analysis Batch: 6623 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1100-73	SB-27A-10	Soluble	Solid	300.0	6532
890-1100-74	SB-27A-15	Soluble	Solid	300.0	6532
890-1100-75	SB-27A-20	Soluble	Solid	300.0	6532
890-1100-76	SB-21B-2	Soluble	Solid	300.0	6532
890-1100-77	SB-21B-4	Soluble	Solid	300.0	6532
890-1100-78	SB-21B-6	Soluble	Solid	300.0	6532
890-1100-79	SB-21B-15	Soluble	Solid	300.0	6532
890-1100-80	SB-21B-20	Soluble	Solid	300.0	6532
890-1100-81	SB-21C-2	Soluble	Solid	300.0	6532
890-1100-82	SB-21C-4	Soluble	Solid	300.0	6532
890-1100-83	SB-21C-6	Soluble	Solid	300.0	6532
890-1100-84	SB-21C-15	Soluble	Solid	300.0	6532
890-1100-85	SB-21C-20	Soluble	Solid	300.0	6532
MB 880-6532/1-A	Method Blank	Soluble	Solid	300.0	6532
LCS 880-6532/2-A	Lab Control Sample	Soluble	Solid	300.0	6532
LCSD 880-6532/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6532
890-1100-66 MS	SB-40A-2	Soluble	Solid	300.0	6532
890-1100-66 MSD	SB-40A-2	Soluble	Solid	300.0	6532
890-1100-76 MS	SB-21B-2	Soluble	Solid	300.0	6532
890-1100-76 MSD	SB-21B-2	Soluble	Solid	300.0	6532

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Job ID: 890-1100-1 SDG: 11220747

Client Sample ID: SB-33-2

Client: GHD Services Inc.

Project/Site: Flamenco #1

Lab Sample ID: 890-1100-1

Matrix: Solid

Date Collected: 08/08/21 17:20 Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/13/21 23:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/14/21 22:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6530	08/13/21 14:48	CH	XEN MID
Soluble	Analysis	300.0		1			6559	08/14/21 09:11	CH	XEN MID

Lab Sample ID: 890-1100-2

Date Collected: 08/08/21 17:25 Date Received: 08/12/21 13:46

Client Sample ID: SB-33-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 00:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/14/21 23:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6530	08/13/21 14:48	CH	XEN MID
Soluble	Analysis	300.0		1			6559	08/14/21 09:17	CH	XEN MID

Lab Sample ID: 890-1100-3

Matrix: Solid

Date Collected: 08/08/21 17:50 Date Received: 08/12/21 13:46

Client Sample ID: SB-33-20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 00:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/14/21 23:49	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		5			6619	08/16/21 17:48	CH	XEN MID

Lab Sample ID: 890-1100-4 Client Sample ID: SB-33-55 Date Collected: 08/09/21 11:30 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 00:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 00:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:05	CH	XEN MID

Project/Site: Flamenco #1

Date Collected: 08/09/21 12:00 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-5 Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 01:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 00:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:11	CH	XEN MID

Lab Sample ID: 890-1100-6 **Client Sample ID: SB-33-65** Date Collected: 08/09/21 12:15

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 01:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6591	08/16/21 15:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6534	08/13/21 14:57	СН	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:28	CH	XEN MID

Client Sample ID: SB-31-2 Lab Sample ID: 890-1100-7 Date Collected: 08/09/21 13:55 **Matrix: Solid**

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 01:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 01:12	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:33	CH	XEN MID

Lab Sample ID: 890-1100-8 Client Sample ID: SB-31-4 Date Collected: 08/09/21 14:00 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 02:14	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 01:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6534	08/13/21 14:57	СН	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:39	CH	XEN MID

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1100-9

Lab Sample ID: 890-1100-10

Lab Sample ID: 890-1100-11

Lab Sample ID: 890-1100-12

Client Sample ID: SB-31-15 Date Collected: 08/09/21 14:20

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Project/Site: Flamenco #1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 02:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		10			6619	08/16/21 18:44	CH	XEN MID

Client Sample ID: SB-31-25 Date Collected: 08/09/21 14:30

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 02:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 02:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:50	CH	XEN MID

Client Sample ID: SB-31-30 Date Collected: 08/09/21 14:35

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 04:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 02:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6534	08/13/21 14:57	СН	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 18:56	CH	XEN MID

Client Sample ID: SB-30-2

Date Collected: 08/09/21 14:50 Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 04:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 03:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	6534	08/13/21 14:57	CH	XEN MID
Soluble	Analysis	300.0		1			6619	08/16/21 19:01	CH	XEN MID

Client Sample ID: SB-30-4

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/09/21 14:55 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-13 Matrix: Solid

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	5035			5.01 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 05:02	KL	XEN MID
Prep	8015NM Prep			10.02 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Analysis	8015B NM		1			6570	08/15/21 03:36	AJ	XEN MID
Leach	DI Leach			5.05 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Analysis	300.0		1			6621	08/16/21 19:46	CH	XEN MID
	Type Prep Analysis Prep Analysis Leach	Type Method Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Factor Prep 5035 1 Analysis 8021B 1 Prep 8015NM Prep 1 Analysis 8015B NM 1 Leach DI Leach	Type Method Run Factor Amount Prep 5035 5.01 g Analysis 8021B 1 5 mL Prep 8015NM Prep 10.02 g Analysis 8015B NM 1 Leach DI Leach 5.05 g	Type Method Run Factor Amount Amount Prep 5035 5.01 g 5 mL Analysis 8021B 1 5 mL 5 mL Prep 8015NM Prep 10.02 g 10 mL Analysis 8015B NM 1 5.05 g 50 mL Leach DI Leach 5.05 g 50 mL	Type Method Run Factor Amount Amount Number Prep 5035 5.01 g 5 mL 6479 Analysis 8021B 1 5 mL 5 mL 6495 Prep 8015NM Prep 10.02 g 10 mL 6569 Analysis 8015B NM 1 6570 Leach DI Leach 5.05 g 50 mL 6533	Type Method Run Factor Amount Amount Number or Analyzed Prep 5035 5.01 g 5 mL 6479 08/13/21 10:30 Analysis 8021B 1 5 mL 5 mL 6495 08/14/21 05:02 Prep 8015NM Prep 10.02 g 10 mL 6569 08/14/21 09:48 Analysis 8015B NM 1 6570 08/15/21 03:36 Leach DI Leach 5.05 g 50 mL 6533 08/13/21 14:54	Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 5035 5.01 g 5 mL 6479 08/13/21 10:30 KL Analysis 8021B 1 5 mL 5 mL 6495 08/14/21 05:02 KL Prep 8015NM Prep 10.02 g 10 mL 6569 08/14/21 09:48 DM Analysis 8015B NM 1 5.05 g 50 mL 6533 08/13/21 14:54 CH

Lab Sample ID: 890-1100-14

Matrix: Solid

Date Collected: 08/09/21 15:05 Date Received: 08/12/21 13:46

Client Sample ID: SB-30-8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 05:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 03:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		5			6621	08/16/21 20:03	CH	XEN MID

Client Sample ID: SB-30-25 Lab Sample ID: 890-1100-15 Date Collected: 08/09/21 15:25

Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 05:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 04:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 20:09	CH	XEN MID

Client Sample ID: SB-30-30 Lab Sample ID: 890-1100-16

Date Collected: 08/09/21 15:30 **Matrix: Solid** Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 06:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 04:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 20:14	CH	XEN MID

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1100-17

Matrix: Solid

Client Sample ID: SB-26-2 Date Collected: 08/10/21 11:50

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 06:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 04:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 20:20	CH	XEN MID
_ Client Sam		26-4						Lab Sample	ID: 890)-110(

Lab Sample ID: 890-1100-18

Matrix: Solid

Date Collected: 08/10/21 12:00 Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 06:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 05:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 20:37	CH	XEN MID

Client Sample ID: SB-26-15 Lab Sample ID: 890-1100-19 Date Collected: 08/10/21 12:20

Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 07:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 05:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		5			6621	08/16/21 20:42	CH	XEN MID

Client Sample ID: SB-26-25 Lab Sample ID: 890-1100-20 Date Collected: 08/10/21 12:35 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6479	08/13/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 07:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6569	08/14/21 09:48	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6570	08/15/21 06:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 20:48	CH	XEN MID

Project/Site: Flamenco #1

Client: GHD Services Inc.

Client Sample ID: SB-26-30 Date Collected: 08/10/21 12:45

Lab Sample ID: 890-1100-21

Matrix: Solid

Date Received: 08/12/21 13:46

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	5035			5.00 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 06:01	KL	XEN MID
Prep	8015NM Prep			10.01 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Analysis	8015B NM		1			6580	08/15/21 12:52	AJ	XEN MID
Leach	DI Leach			5.02 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Analysis	300.0		1			6621	08/16/21 20:53	CH	XEN MID
	Type Prep Analysis Prep Analysis Leach	Type Method Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Factor Prep 5035 Factor Analysis 8021B 1 Prep 8015NM Prep 1 Analysis 8015B NM 1 Leach DI Leach	Type Method Run Factor Amount Prep 5035 5.00 g Analysis 8021B 1 5 mL Prep 8015NM Prep 10.01 g Analysis 8015B NM 1 Leach DI Leach 5.02 g	Type Method Run Factor Amount Amount Prep 5035 5.00 g 5 mL Analysis 8021B 1 5 mL 5 mL Prep 8015NM Prep 10.01 g 10 mL Analysis 8015B NM 1 5.02 g 50 mL	Type Method Run Factor Amount Amount Number Prep 5035 5.00 g 5 mL 6497 Analysis 8021B 1 5 mL 5 mL 6512 Prep 8015NM Prep 10.01 g 10 mL 6577 Analysis 8015B NM 1 6580 Leach DI Leach 5.02 g 50 mL 6533	Type Method Run Factor Amount Amount Number or Analyzed Prep 5035 5.00 g 5 mL 6497 08/13/21 09:31 Analysis 8021B 1 5 mL 5 mL 6512 08/14/21 06:01 Prep 8015NM Prep 10.01 g 10 mL 6577 08/14/21 11:51 Analysis 8015B NM 1 6580 08/15/21 12:52 Leach DI Leach 5.02 g 50 mL 6533 08/13/21 14:54	Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 5035 5.00 g 5 mL 6497 08/13/21 09:31 KL Analysis 8021B 1 5 mL 5 mL 6512 08/14/21 06:01 KL Prep 8015NM Prep 10.01 g 10 mL 6577 08/14/21 11:51 DM Analysis 8015B NM 1 5.02 g 50 mL 6530 08/13/21 14:54 CH

Lab Sample ID: 890-1100-22

Client Sample ID: SB-25-2 Date Collected: 08/10/21 13:50 Date Received: 08/12/21 13:46

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 06:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 13:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 20:59	CH	XEN MID

Client Sample ID: SB-25-4 Lab Sample ID: 890-1100-23 Date Collected: 08/10/21 13:55

Matrix: Solid

Date Received: 08/12/21 13:46

Batch Batch Dil Initial Final Batch Prepared Method Analyst **Prep Type** Type **Factor** Amount **Amount** Number or Analyzed Run Lab Total/NA 5035 4.95 g 5 mL 6497 08/13/21 09:31 KL XEN MID Prep Total/NA 8021B 08/14/21 06:42 KL Analysis 1 5 mL 5 mL 6512 XEN MID Total/NA Prep 8015NM Prep 10.04 q 10 mL 6577 08/14/21 11:51 DM **XEN MID** Total/NA 8015B NM 6580 08/15/21 14:15 AJ XEN MID Analysis 1 Soluble Leach DI Leach 5.05 g 50 mL 6533 08/13/21 14:54 CH XEN MID 300.0 08/16/21 21:05 CH Soluble Analysis 6621 XEN MID 1

Client Sample ID: SB-25-15 Lab Sample ID: 890-1100-24

Date Collected: 08/10/21 14:10 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 07:03	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 14:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 21:21	CH	XEN MID

Client Sample ID: SB-25-30

Date Collected: 08/10/21 14:25 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-25

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 07:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 14:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		5			6621	08/16/21 21:27	CH	XEN MID

Client Sample ID: SB-25-40 Lab Sample ID: 890-1100-26 Date Collected: 08/10/21 14:35 **Matrix: Solid**

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 07:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 15:17	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 21:44	CH	XEN MID

Client Sample ID: SB-25-45 Lab Sample ID: 890-1100-27 Date Collected: 08/10/21 14:55 **Matrix: Solid**

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 08:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6533	08/13/21 14:54	CH	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 21:49	CH	XEN MID

Client Sample ID: SB-24-2 Lab Sample ID: 890-1100-28 Date Collected: 08/10/21 15:05 Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 08:24	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 15:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 21:55	CH	XEN MID

Eurofins Xenco, Carlsbad

Released to Imaging: 5/2/2022 3:37:29 PM

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Project/Site: Flamenco #1

Lab Sample ID: 890-1100-29

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 08:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6533	08/13/21 14:54	СН	XEN MID

Lab Sample ID: 890-1100-30

08/16/21 22:01 CH

6621

Matrix: Solid

XEN MID

Date Collected: 08/10/21 15:30 Date Received: 08/12/21 13:46

Client Sample ID: SB-24-15

Analysis

300.0

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 09:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		5			6621	08/16/21 22:06	CH	XEN MID

Lab Sample ID: 890-1100-31 Client Sample ID: SB-24-25 Date Collected: 08/10/21 15:40

Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 10:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 17:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 22:12	CH	XEN MID

Client Sample ID: SB-24-30 Lab Sample ID: 890-1100-32 Date Collected: 08/10/21 15:45 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 11:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6533	08/13/21 14:54	СН	XEN MID
Soluble	Analysis	300.0		1			6621	08/16/21 22:17	CH	XEN MID

Matrix: Solid

Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Project/Site: Flamenco #1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 11:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 18:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6529	08/13/21 14:46	CH	XEN MID
Soluble	Analysis	300.0		1			6545	08/13/21 21:05	CH	XEN MID

Lab Sample ID: 890-1100-34

Date Collected: 08/10/21 16:05 Date Received: 08/12/21 13:46

Client Sample ID: SB-29-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 11:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6529	08/13/21 14:46	CH	XEN MID
Soluble	Analysis	300.0		1			6545	08/13/21 21:10	CH	XEN MID

Client Sample ID: SB-29-10 Lab Sample ID: 890-1100-35 Date Collected: 08/10/21 16:20

Matrix: Solid

Date Received: 08/12/21 13:46

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type **Factor** Amount Amount Number or Analyzed Analyst Run Lab Total/NA 5035 4.96 g 5 mL 6497 08/13/21 09:31 KL XEN MID Prep Total/NA 8021B 08/14/21 12:16 KL Analysis 1 5 mL 5 mL 6512 XEN MID Total/NA Prep 8015NM Prep 10.04 q 10 mL 6577 08/14/21 11:51 DM **XEN MID** Total/NA 8015B NM 6580 08/15/21 18:49 AJ XEN MID Analysis 1 Soluble Leach DI Leach 4.95 g 50 mL 6529 08/13/21 14:46 CH XEN MID 6545 08/13/21 21:15 CH 300.0 Soluble Analysis XEN MID 1

Client Sample ID: SB-29-15 Lab Sample ID: 890-1100-36

Date Collected: 08/10/21 16:25 Matrix: Solid Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 12:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6529	08/13/21 14:46	СН	XEN MID
Soluble	Analysis	300.0		1			6545	08/13/21 21:29	CH	XEN MID

Client Sample ID: SB-29-25

Client: GHD Services Inc.

Project/Site: Flamenco #1

Date Collected: 08/10/21 16:35 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-37

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 12:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6529	08/13/21 14:46	CH	XEN MID
Soluble	Analysis	300.0		1			6545	08/13/21 21:34	CH	XEN MID

Lab Sample ID: 890-1100-38

Matrix: Solid

Client Sample ID: SB-22-2 Date Collected: 08/11/21 08:45 Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 13:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6529	08/13/21 14:46	CH	XEN MID
Soluble	Analysis	300.0		1			6545	08/13/21 21:49	CH	XEN MID

Client Sample ID: SB-22-4 Lab Sample ID: 890-1100-39 Date Collected: 08/11/21 08:50

Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 13:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 20:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6529	08/13/21 14:46	СН	XEN MID
Soluble	Analysis	300.0		1			6545	08/13/21 21:54	CH	XEN MID

Client Sample ID: SB-22-15 Lab Sample ID: 890-1100-40 Date Collected: 08/11/21 09:20 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6497	08/13/21 09:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6512	08/14/21 13:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6577	08/14/21 11:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6580	08/15/21 20:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6529	08/13/21 14:46	CH	XEN MID
Soluble	Analysis	300.0		5			6545	08/13/21 21:59	CH	XEN MID

Client: GHD Services Inc. Project/Site: Flamenco #1

SDG: 11220747

Client Sample ID: SB-22-30

Date Collected: 08/11/21 11:40 Date Received: 08/12/21 13:46 Lab Sample ID: 890-1100-41 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 10:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 13:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6529	08/13/21 14:46	CH	XEN MID
Soluble	Analysis	300.0		5			6545	08/13/21 22:04	CH	XEN MID

Lab Sample ID: 890-1100-42

Matrix: Solid

Date Collected: 08/11/21 12:20 Date Received: 08/12/21 13:46

Client Sample ID: SB-22-45

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor** Amount **Amount** Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 6492 08/13/21 08:34 KL XEN MID Total/NA 8021B 6493 08/14/21 11:11 KL XEN MID Analysis 5 mL 5 mL 1 Total/NA Prep 8015NM Prep 10.01 q 10 mL 6578 08/14/21 12:06 DM XEN MID Total/NA Analysis 8015B NM 6582 08/15/21 12:52 AJ XEN MID Soluble Leach DI Leach 5.03 g 50 mL 6529 08/13/21 14:46 CH XEN MID 08/13/21 22:09 CH Soluble Analysis 300.0 6545 XEN MID 1

Client Sample ID: SB-22-50 Lab Sample ID: 890-1100-43

Matrix: Solid

Date Collected: 08/11/21 12:35 Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 11:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6546	08/13/21 20:38	SC	XEN MID
Soluble	Analysis	300.0		1			6557	08/14/21 02:33	CH	XEN MID

Lab Sample ID: 890-1100-44 Client Sample ID: SB-19-2 Date Collected: 08/11/21 12:45 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 11:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 14:36	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6546	08/13/21 20:38	SC	XEN MID
Soluble	Analysis	300.0		1			6557	08/14/21 02:39	CH	XEN MID

Job ID: 890-1100-1 SDG: 11220747

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1100-45

Client Sample ID: SB-19-4 Date Collected: 08/11/21 12:50

Matrix: Solid

Date Received: 08/12/21 13:46

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	5035			4.95 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 12:12	KL	XEN MID
Prep	8015NM Prep			10.05 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Analysis	8015B NM		1			6582	08/15/21 14:57	AJ	XEN MID
Leach	DI Leach			5 g	50 mL	6546	08/13/21 20:38	SC	XEN MID
Analysis	300.0		1			6557	08/14/21 02:44	CH	XEN MID
	Type Prep Analysis Prep Analysis Leach	Type Method Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Prep 5035 Analysis 8021B Prep 8015NM Prep Analysis 8015B NM Leach DI Leach	Type Method Run Factor Prep 5035 1 Analysis 8021B 1 Prep 8015NM Prep 1 Analysis 8015B NM 1 Leach DI Leach	Type Method Run Factor Amount Prep 5035 4.95 g Analysis 8021B 1 5 mL Prep 8015NM Prep 10.05 g Analysis 8015B NM 1 Leach DI Leach 5 g	Type Method Run Factor Amount Amount Prep 5035 4.95 g 5 mL Analysis 8021B 1 5 mL 5 mL Prep 8015NM Prep 10.05 g 10 mL Analysis 8015B NM 1 5 g 50 mL Leach DI Leach 5 g 50 mL	Type Method Run Factor Amount Amount Number Prep 5035 4.95 g 5 mL 6492 Analysis 8021B 1 5 mL 5 mL 6493 Prep 8015NM Prep 10.05 g 10 mL 6578 Analysis 8015B NM 1 6582 Leach DI Leach 5 g 50 mL 6546	Type Method Run Factor Amount Amount Number or Analyzed Prep 5035 4.95 g 5 mL 6492 08/13/21 08:34 Analysis 8021B 1 5 mL 5 mL 6493 08/14/21 12:12 Prep 8015NM Prep 10.05 g 10 mL 6578 08/14/21 12:06 Analysis 8015B NM 1 6582 08/15/21 14:57 Leach DI Leach 5 g 50 mL 6546 08/13/21 20:38	Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 5035 4.95 g 5 mL 6492 08/13/21 08:34 KL Analysis 8021B 1 5 mL 5 mL 6493 08/14/21 12:12 KL Prep 8015NM Prep 10.05 g 10 mL 6578 08/14/21 12:06 DM Analysis 8015B NM 1 5 g 50 mL 6546 08/13/21 20:38 SC

Lab Sample ID: 890-1100-46

Date Collected: 08/11/21 13:20 Date Received: 08/12/21 13:46

Client Sample ID: SB-19-20

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method **Amount Prep Type** Type Run **Factor** Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 6492 08/13/21 08:34 KL XEN MID Total/NA 8021B 6493 XEN MID Analysis 5 mL 5 mL 08/14/21 12:33 KL 1 Total/NA Prep 8015NM Prep 10.02 q 10 mL 6578 08/14/21 12:06 DM XEN MID Total/NA Analysis 8015B NM 6582 08/15/21 15:17 AJ XEN MID 1 Soluble Leach DI Leach 5.01 g 50 mL 6531 08/13/21 14:50 CH XEN MID 08/16/21 23:02 CH Soluble Analysis 300.0 6622 XEN MID 1

Client Sample ID: SB-19-45 Lab Sample ID: 890-1100-47 Date Collected: 08/11/21 14:05

Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 12:53	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 15:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/16/21 23:19	CH	XEN MID

Lab Sample ID: 890-1100-48 Client Sample ID: SB-19-50 Date Collected: 08/11/21 14:15

Date Received: 08/12/21 13:46

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 13:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 15:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/16/21 23:25	CH	XEN MID

Project/Site: Flamenco #1

Matrix: Solid

Date Collected: 08/11/21 14:20 Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 13:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/16/21 23:30	CH	XEN MID

Lab Sample ID: 890-1100-50

Matrix: Solid

Client Sample ID: SB-18-4 Date Collected: 08/11/21 14:25 Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 13:54	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/16/21 23:36	CH	XEN MID

Client Sample ID: SB-18-30 Lab Sample ID: 890-1100-51 Date Collected: 08/11/21 15:20

Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 15:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 17:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		10			6622	08/16/21 23:53	CH	XEN MID

Client Sample ID: SB-18-55 Lab Sample ID: 890-1100-52 Date Collected: 08/11/21 16:25 Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 15:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 17:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6531	08/13/21 14:50	СН	XEN MID
Soluble	Analysis	300.0		1			6622	08/16/21 23:58	CH	XEN MID

Project/Site: Flamenco #1

Date Collected: 08/11/21 16:40 Date Received: 08/12/21 13:46 Lab Sample ID: 890-1100-53 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 15:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 18:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 00:04	CH	XEN MID

Lab Sample ID: 890-1100-54

Date Collected: 08/11/21 16:50 Date Received: 08/12/21 13:46

Client Sample ID: SB-21A-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 16:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 00:10	CH	XEN MID

Lab Sample ID: 890-1100-55

Matrix: Solid

Date Collected: 08/11/21 16:55 Date Received: 08/12/21 13:46

Client Sample ID: SB-21A-4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 16:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.00 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 00:15	CH	XEN MID

Client Sample ID: SB-21A-15 Lab Sample ID: 890-1100-56 Date Collected: 08/11/21 17:20 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 16:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6531	08/13/21 14:50	СН	XEN MID
Soluble	Analysis	300.0		10			6622	08/17/21 00:21	CH	XEN MID

Client: GHD Services Inc. Project/Site: Flamenco #1

Client Sample ID: SB-21A-35

Date Collected: 08/11/21 17:50 Date Received: 08/12/21 13:46 Lab Sample ID: 890-1100-57

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 17:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		10			6622	08/17/21 00:38	CH	XEN MID

Lab Sample ID: 890-1100-58

Matrix: Solid

Date Collected: 08/11/21 18:50 Date Received: 08/12/21 13:46

Client Sample ID: SB-21A-55

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 17:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 00:43	CH	XEN MID

Client Sample ID: SB-21A-60 Lab Sample ID: 890-1100-59

Matrix: Solid

Date Collected: 08/11/21 19:00 Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 18:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 20:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	6531	08/13/21 14:50	СН	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 01:00	CH	XEN MID

Client Sample ID: SB-28-2

Date Collected: 08/10/21 10:20

Lab Sample ID: 890-1100-60

Matrix: Solid

Date Collected: 08/10/21 10:20 Matr Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6492	08/13/21 08:34	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 18:20	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6578	08/14/21 12:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6582	08/15/21 20:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6531	08/13/21 14:50	СН	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 01:06	CH	XEN MID

Lab Sample ID: 890-1100-61

Matrix: Solid

Client Sample ID: SB-28-4 Date Collected: 08/10/21 10:25 Date Received: 08/12/21 13:46

Client: GHD Services Inc.

Project/Site: Flamenco #1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 13:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 12:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 01:11	CH	XEN MID

Client Sample ID: SB-28-20 Date Collected: 08/10/21 10:50

Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-62

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 14:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		5			6622	08/17/21 01:17	CH	XEN MID

Client Sample ID: SB-28-25

Date Collected: 08/10/21 10:55 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-63

Lab Sample ID: 890-1100-64

Matrix: Solid

Matrix: Solid

Bate	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 14:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 13:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		5			6622	08/17/21 01:22	CH	XEN MID

Client Sample ID: SB-28-40

Date Collected: 08/10/21 11:30

Date Received: 08/12/21 13:46

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 14:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 14:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6531	08/13/21 14:50	СН	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 01:28	CH	XEN MID

Client: GHD Services Inc. Project/Site: Flamenco #1

Lab Sample ID: 890-1100-65

Matrix: Solid

Client Sample ID: SB-28-45 Date Collected: 08/10/21 11:45

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 15:07	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 14:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6531	08/13/21 14:50	CH	XEN MID
Soluble	Analysis	300.0		1			6622	08/17/21 01:34	CH	XEN MID

Lab Sample ID: 890-1100-66

Matrix: Solid

Date Collected: 08/12/21 08:05 Date Received: 08/12/21 13:46

Client Sample ID: SB-40A-2

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor** Amount **Amount** Number or Analyzed Analyst Lab Total/NA Prep 5035 4.95 g 5 mL 6494 08/13/21 08:46 KL XEN MID Total/NA 8021B 6495 Analysis 5 mL 5 mL 08/14/21 15:28 KL XEN MID 1 Total/NA Prep 8015NM Prep 10.02 q 10 mL 6579 08/14/21 12:26 DM XEN MID Total/NA Analysis 8015B NM 6584 08/15/21 14:44 AJ XEN MID 1 Soluble Leach DI Leach 5.02 g 50 mL 6532 08/13/21 14:52 CH XEN MID 08/17/21 02:18 CH Soluble Analysis 300.0 6623 XEN MID 1

Client Sample ID: SB-40A-4 Lab Sample ID: 890-1100-67 Date Collected: 08/12/21 08:10

Matrix: Solid

Date Received: 08/12/21 13:46

_	Batch	Batch	Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 15:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 15:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 08:18	CH	XEN MID

Client Sample ID: SB-40A-10 Lab Sample ID: 890-1100-68 Date Collected: 08/12/21 08:40 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 16:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 15:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 08:23	CH	XEN MID

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

Client Sample ID: SB-40A-20

Date Collected: 08/12/21 08:50 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-69

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 16:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 15:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 08:29	CH	XEN MID

Client Sample ID: SB-40A-25

Date Collected: 08/12/21 08:55 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-70

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 16:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 16:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 08:35	CH	XEN MID

Client Sample ID: SB-27A-2

Date Collected: 08/12/21 09:10 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-71

Matrix: Solid

Bato	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 18:17	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 16:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6532	08/13/21 14:52	СН	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 08:51	CH	XEN MID

Client Sample ID: SB-27A-4

Date Collected: 08/12/21 09:15 Date Received: 08/12/21 13:46

Lab Sample ID:	890-1100-72	
	Matrix: Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 18:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 17:13	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 08:57	CH	XEN MID

Project/Site: Flamenco #1

Date Collected: 08/12/21 09:40 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-73 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 18:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 17:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 09:03	CH	XEN MID

Client Sample ID: SB-27A-15

Date Collected: 08/12/21 09:45 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-74

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 19:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 17:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 09:08	CH	XEN MID

Client Sample ID: SB-27A-20

Date Collected: 08/12/21 09:50 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-75

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 19:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 18:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 09:14	CH	XEN MID

Client Sample ID: SB-21B-2

Date Collected: 08/12/21 10:00 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-76

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 20:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 18:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	6532	08/13/21 14:52	СН	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 09:19	CH	XEN MID

Project/Site: Flamenco #1

Job ID: 890-1100-1

SDG: 11220747

Client Sample ID: SB-21B-4

Date Collected: 08/12/21 10:05 Date Received: 08/12/21 13:46

Lab Sample ID: 890-1100-77

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 20:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 19:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 09:36	CH	XEN MID

Client Sample ID: SB-21B-6 Lab Sample ID: 890-1100-78 Date Collected: 08/12/21 10:20

Date Received: 08/12/21 13:46

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6494	08/13/21 08:46	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 20:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6532	08/13/21 14:52	СН	XEN MID
Soluble	Analysis	300.0		5			6623	08/17/21 09:42	CH	XEN MID

Client Sample ID: SB-21B-15 Lab Sample ID: 890-1100-79 Date Collected: 08/12/21 10:35 Matrix: Solid

Date Received: 08/12/21 13:46

Batch Batch Dil Initial Final Batch Prepared Method Analyst **Prep Type** Type **Factor** Amount **Amount** Number or Analyzed Run Lab Total/NA 5035 5.01 g 5 mL 6494 08/13/21 08:46 KL XEN MID Prep Total/NA 8021B Analysis 1 5 mL 5 mL 6495 08/14/21 21:03 KL XEN MID Total/NA Prep 8015NM Prep 10.01 q 10 mL 6579 08/14/21 12:26 DM **XEN MID** Total/NA 8015B NM 6584 08/15/21 19:43 AJ XEN MID Analysis 1 Soluble Leach DI Leach 5.03 g 50 mL 6532 08/13/21 14:52 CH XEN MID 300.0 08/17/21 09:59 CH Soluble Analysis 6623 XEN MID 1

Client Sample ID: SB-21B-20 Lab Sample ID: 890-1100-80 Date Collected: 08/12/21 10:40 Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6494	08/13/21 08:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6495	08/14/21 21:24	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6579	08/14/21 12:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6584	08/15/21 20:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6532	08/13/21 14:52	СН	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 10:04	CH	XEN MID

Project/Site: Flamenco #1

Date Collected: 08/12/21 11:20 Date Received: 08/12/21 13:46 Lab Sample ID: 890-1100-81

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6514	08/14/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 21:44	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6591	08/16/21 13:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 10:10	CH	XEN MID

Lab Sample ID: 890-1100-82

Matrix: Solid

Date Collected: 08/12/21 11:25 Date Received: 08/12/21 13:46

Client Sample ID: SB-21C-4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6514	08/14/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 22:04	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6591	08/16/21 14:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 10:16	CH	XEN MID

Client Sample ID: SB-21C-6 Lab Sample ID: 890-1100-83 Date Collected: 08/12/21 11:30

Matrix: Solid

Date Received: 08/12/21 13:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	6514	08/14/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 22:25	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6591	08/16/21 14:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 10:21	CH	XEN MID

Client Sample ID: SB-21C-15 Lab Sample ID: 890-1100-84 Date Collected: 08/12/21 11:45

Date Received: 08/12/21 13:46

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	6514	08/14/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 22:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6591	08/16/21 14:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 10:27	CH	XEN MID

Lab Chronicle

Client: GHD Services Inc. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Client Sample ID: SB-21C-20

Date Collected: 08/12/21 11:50 Date Received: 08/12/21 13:46 Lab Sample ID: 890-1100-85

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6514	08/14/21 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	6493	08/14/21 23:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6591	08/16/21 15:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6532	08/13/21 14:52	CH	XEN MID
Soluble	Analysis	300.0		1			6623	08/17/21 10:32	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. Job ID: 890-1100-1 Project/Site: Flamenco #1 SDG: 11220747

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		rogram ELAP	Identification Number T104704400-20-21	Expiration Date 06-30-22
The following analyte the agency does not o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for v
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1100-1

SDG: 11220747

•	 •	•	• •	

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (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.

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: Flamenco #1 Job ID: 890-1100-1 SDG: 11220747

Collected Lab Sample ID Client Sample ID Matrix Received Depth 890-1100-1 SB-33-2 Solid 08/08/21 17:20 08/12/21 13:46 - 2 890-1100-2 SB-33-4 Solid 08/08/21 17:25 08/12/21 13:46 - 4 890-1100-3 SB-33-20 - 20 Solid 08/08/21 17:50 08/12/21 13:46 890-1100-4 SB-33-55 Solid 08/09/21 11:30 08/12/21 13:46 - 55 890-1100-5 SB-33-60 Solid 08/09/21 12:00 08/12/21 13:46 - 60 890-1100-6 SB-33-65 Solid 08/09/21 12:15 08/12/21 13:46 - 65 890-1100-7 SB-31-2 Solid 08/09/21 13:55 08/12/21 13:46 - 2 890-1100-8 SB-31-4 Solid 08/09/21 14:00 08/12/21 13:46 890-1100-9 SB-31-15 Solid 08/09/21 14:20 08/12/21 13:46 - 15 890-1100-10 SB-31-25 08/09/21 14:30 08/12/21 13:46 - 25 Solid 890-1100-11 SB-31-30 08/09/21 14:35 08/12/21 13:46 - 30 Solid 890-1100-12 SB-30-2 Solid 08/09/21 14:50 08/12/21 13:46 - 2 SB-30-4 - 4 890-1100-13 Solid 08/09/21 14:55 08/12/21 13:46 890-1100-14 SB-30-8 Solid 08/09/21 15:05 08/12/21 13:46 - 8 890-1100-15 SB-30-25 Solid 08/09/21 15:25 08/12/21 13:46 - 25 890-1100-16 SB-30-30 Solid 08/09/21 15:30 08/12/21 13:46 - 30 890-1100-17 SB-26-2 Solid 08/10/21 11:50 08/12/21 13:46 - 2 SB-26-4 08/12/21 13:46 890-1100-18 Solid 08/10/21 12:00 - 4 890-1100-19 SB-26-15 Solid 08/10/21 12:20 08/12/21 13:46 - 15 890-1100-20 SB-26-25 08/10/21 12:35 08/12/21 13:46 Solid - 25 890-1100-21 SB-26-30 Solid 08/10/21 12:45 08/12/21 13:46 - 30 890-1100-22 SB-25-2 Solid 08/10/21 13:50 08/12/21 13:46 - 2 890-1100-23 SB-25-4 08/10/21 13:55 08/12/21 13:46 - 4 Solid 890-1100-24 SB-25-15 Solid 08/10/21 14:10 08/12/21 13:46 - 15 890-1100-25 SB-25-30 Solid 08/10/21 14:25 08/12/21 13:46 - 30 08/10/21 14:35 08/12/21 13:46 890-1100-26 SB-25-40 Solid - 40 890-1100-27 SB-25-45 Solid 08/10/21 14:55 08/12/21 13:46 - 45 890-1100-28 SB-24-2 Solid 08/10/21 15:05 08/12/21 13:46 - 2 890-1100-29 SB-24-4 Solid 08/10/21 15:10 08/12/21 13:46 890-1100-30 SB-24-15 Solid 08/10/21 15:30 08/12/21 13:46 08/12/21 13:46 - 25 890-1100-31 SB-24-25 Solid 08/10/21 15:40 890-1100-32 SB-24-30 Solid 08/10/21 15:45 08/12/21 13:46 - 30 - 2 890-1100-33 SB-29-2 08/10/21 16:00 08/12/21 13:46 Solid 890-1100-34 SB-29-4 08/10/21 16:05 08/12/21 13:46 Solid - 4 890-1100-35 SB-29-10 Solid 08/10/21 16:20 08/12/21 13:46 - 10 890-1100-36 SB-29-15 Solid 08/10/21 16:25 08/12/21 13:46 890-1100-37 SB-29-25 Solid 08/10/21 16:35 08/12/21 13:46 - 25 890-1100-38 SB-22-2 Solid 08/11/21 08:45 08/12/21 13:46 - 2 890-1100-39 SB-22-4 08/11/21 08:50 08/12/21 13:46 - 4 Solid 890-1100-40 SB-22-15 Solid 08/11/21 09:20 08/12/21 13:46 - 15 890-1100-41 SB-22-30 08/11/21 11:40 08/12/21 13:46 - 30 Solid 890-1100-42 SB-22-45 Solid 08/11/21 12:20 08/12/21 13:46 - 45 890-1100-43 SB-22-50 Solid 08/11/21 12:35 08/12/21 13:46 - 50 890-1100-44 SB-19-2 08/12/21 13:46 - 2 Solid 08/11/21 12:45 890-1100-45 08/12/21 13:46 SB-19-4 Solid 08/11/21 12:50 - 4 890-1100-46 SB-19-20 Solid 08/11/21 13:20 08/12/21 13:46 - 20 890-1100-47 SB-19-45 08/11/21 14:05 08/12/21 13:46 Solid - 45 08/12/21 13:46 - 50 890-1100-48 SB-19-50 Solid 08/11/21 14:15 890-1100-49 SB-18-2 Solid 08/11/21 14:20 08/12/21 13:46 - 2 890-1100-50 SB-18-4 Solid 08/11/21 14:25 08/12/21 13:46 - 4 890-1100-51 SB-18-30 Solid 08/11/21 15:20 08/12/21 13:46 - 30 890-1100-52 SB-18-55 Solid 08/11/21 16:25 08/12/21 13:46 - 55 890-1100-53 SB-18-60 Solid 08/11/21 16:40 08/12/21 13:46 - 60 890-1100-54 SB-21A-2 Solid 08/11/21 16:50 08/12/21 13:46 - 2 890-1100-55 SB-21A-4 Solid 08/11/21 16:55 08/12/21 13:46 - 4

08/11/21 17:20 08/12/21 13:46

Solid

SB-21A-15

890-1100-56

Sample Summary

Client: GHD Services Inc. Project/Site: Flamenco #1 Job ID: 890-1100-1

SDG: 11220747

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1100-57	SB-21A-35	Solid	08/11/21 17:50	08/12/21 13:46	- 35
890-1100-58	SB-21A-55	Solid	08/11/21 18:50	08/12/21 13:46	- 55
890-1100-59	SB-21A-60	Solid	08/11/21 19:00	08/12/21 13:46	- 60
890-1100-60	SB-28-2	Solid	08/10/21 10:20	08/12/21 13:46	- 2
890-1100-61	SB-28-4	Solid	08/10/21 10:25	08/12/21 13:46	- 4
890-1100-62	SB-28-20	Solid	08/10/21 10:50	08/12/21 13:46	- 20
890-1100-63	SB-28-25	Solid	08/10/21 10:55	08/12/21 13:46	- 25
890-1100-64	SB-28-40	Solid	08/10/21 11:30	08/12/21 13:46	- 40
890-1100-65	SB-28-45	Solid	08/10/21 11:45	08/12/21 13:46	- 45
890-1100-66	SB-40A-2	Solid	08/12/21 08:05	08/12/21 13:46	- 2
890-1100-67	SB-40A-4	Solid	08/12/21 08:10	08/12/21 13:46	- 4
890-1100-68	SB-40A-10	Solid	08/12/21 08:40	08/12/21 13:46	- 10
890-1100-69	SB-40A-20	Solid	08/12/21 08:50	08/12/21 13:46	- 20
890-1100-70	SB-40A-25	Solid	08/12/21 08:55	08/12/21 13:46	- 25
890-1100-71	SB-27A-2	Solid	08/12/21 09:10	08/12/21 13:46	- 2
890-1100-72	SB-27A-4	Solid	08/12/21 09:15	08/12/21 13:46	- 4
890-1100-73	SB-27A-10	Solid	08/12/21 09:40	08/12/21 13:46	- 10
890-1100-74	SB-27A-15	Solid	08/12/21 09:45	08/12/21 13:46	- 15
890-1100-75	SB-27A-20	Solid	08/12/21 09:50	08/12/21 13:46	- 20
890-1100-76	SB-21B-2	Solid	08/12/21 10:00	08/12/21 13:46	- 2
890-1100-77	SB-21B-4	Solid	08/12/21 10:05	08/12/21 13:46	- 4
890-1100-78	SB-21B-6	Solid	08/12/21 10:20	08/12/21 13:46	- 6
890-1100-79	SB-21B-15	Solid	08/12/21 10:35	08/12/21 13:46	- 15
890-1100-80	SB-21B-20	Solid	08/12/21 10:40	08/12/21 13:46	- 20
890-1100-81	SB-21C-2	Solid	08/12/21 11:20	08/12/21 13:46	- 2
890-1100-82	SB-21C-4	Solid	08/12/21 11:25	08/12/21 13:46	- 4
890-1100-83	SB-21C-6	Solid	08/12/21 11:30	08/12/21 13:46	- 6
890-1100-84	SB-21C-15	Solid	08/12/21 11:45	08/12/21 13:46	- 15
890-1100-85	SB-21C-20	Solid	08/12/21 11:50	08/12/21 13:46	- 20

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date 08/25/2020 Rev. 2020 2

58-33-20

58-37-4

eurofins

Phone:

City, State ZIP:

Company Name: Project Manager:

SAMPLE RECEIPT

Sampler's Name:

Project Location:

Project Number: Project Name:

Chain of Custody

		Innumera,	rendented, 174 (TOE) 104 O 110, October 180, 174 (TOE) 174 TOE 180		
×	Xenco	EL Paso, T)	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296		
		Hobbs, NM	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com	Page of
roject Manager: Rucka	1 Jack !!	Bill to: (if different)	Somes Kinnelly	Work Order Comments	Comments
		Company Name:		Program: UST/PST PRP Brown] PRP∏ Brownfields∏ RRC Superfund ☐
ddress:		Address:		State of Project:	
ity. State ZIP:		City, State ZIP:		Reporting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗	I/UST TRRP Level IV
hone: 432 250	10 19 Email:		Becky. Haskyll@ahd.com	Deliverables: EDD	ſ □ Other:
roject Name: Flamenco #		Turn Around	ANALYSIS REQU	EQUEST	Preservative Codes
ă l	Rout	ZRush Code	120		None: NO DI Water: H ₂ O
		3000	24		Cool: Cool MeOH: Me
ampler's Name: Chertes	Micha) 굷			HCL: HC HNO3: HN
		eters	10,		U
amples Received Intact: Yes	Yes No Thermometer ID:	7	21		NaHSO ₄ : NABIS
<u>~</u>	N/A	17	890-1100 Chain of Custody	n of Custody	Na ₂ S ₂ O ₃ : NaSO ₃
yes (N/A	4.2		-	Zn Acetate+NaOH: Zn
		4.0	evi.		NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix Date Time Sampled Sampled	Depth Grab/ # of Comp Cont	Chl BTO TPH		Sample Comments
13-33-2	ar 1283 5	6			
58-37-4	1,725				
B-33-20	1450				
58-33-55	OE11 12.18				
5B-33-60'	89.21 1300				
58.23-65	311 1240				
3.31-2'	8-9-21 1355				
58-31-41	09h1				
6-31-15	1420				
8-31-15	V V 1430	*	444		
Total 200.7 / 6010 200.8 / 6020:	6020: 8RCRA 13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe F	Pb Mg Mn Mo Ni K Se Ag SiO2 I	Na Sr TI Sn U V Zn
<u></u>		CLP / SPLP 6010: BRCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo N	Se Ag TI U	Hg: 1631 / 245.1 / 7470 / 7471
ce: Signature of this document and reline	quishment of samples constitutes a valid	purchase order from clien	otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	tors. It assigns standard terms and conditions	
ervice. Eurofins Xenco will be liable only urofins Xenco. A minimum charge of \$85	y for the cost of samples and shall not as 5.00 will be applied to each project and a	sume any responsibility for charge of \$5 for each sam	service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	es are due to circumstances beyond the control terms will be enforced unless previously negotiate	đ.

City, State ZIP:	Address: State of Project:	me: Program: UST/PST PRP Brownfields RRC Superfund	ger: Bill to: (if different) Work Order Comments	Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page	nment Testing	Citation
☐ PST/UST ☐ TRRP ☐ Leve	1	Brownfields ☐ RRC ☐ Superfu	rder Comments	www.xenco.com Page Z of 9	r No:	

Phone:		Email:			ANALYSIS REQUEST	Deliverables: EDD L. ADar i L. ADar	Preservative Codes
Project Name:		In A			ANALTOIS REGUES:		01 400
Project Number:		□Routine □F	Rush Code			None: NO	O DI Water: H ₂ O
Project Location:		Due Date:				Cool: Cool	
Sampler's Name:		TAT starts the day i	received by	2		нсг нс	
PO#		the lab, if received by 4:30pm	_	90		H ₂ S0 ₄ : H ₂	1 ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes No	Met Ice: Y	Yes No			H₃PO₄: HP	₽
Samples Received Intact:	Yes No Thermometer	Jan 18	ıran			NaHSO ₄ : NABIS	NABIS
-	O NA	Pacior:	Pa			Na ₂ S ₂ O ₃ : NaSO ₃	; NaSO ₃
	No N/A	Temperature Reading:				Zn Aceta	Zn Acetate+NaOH: Zn
		Corrected Temperature:				NaOH+A	NaOH+Ascorbic Acid: SAPC
Sample Identification	n Matrix Date	Time Depth	oth Grab/ # of Cont	Chi BTE TPH		Sai	Sample Comments
SB-81-50	5 8.9.21	1436	1				
58.30-2	-	1480					
5B-30-4		1455					
53-308		1605					
58-50-16		(525)					
58-30-30'	←	1630					
5-26 - a'	8-10-21	1150					
53-26-4		(380)					
B-26-15		1320					
513-26-25	<	1235	4	< **			
	200.8 / 6020:	8RCRA 13PPM	Texas 11 Al	Al Sb As Ba Be B	Cd Ca Cr Co Cu Fe Pb	Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V	I Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	u(s) to be analyzed	TGLP / SPLP 8010: 8RCRA	010: 8RCRA	Sb As Ba Be	Cd Cr Co Cu Pb Mn Mo	Ni Se Ag TI U Hg: 1631/245.1/7470/7471	7470 / 7471
tice: Signature of this document service. Eurofins Xenco will be l	and relinquishment of samples co lable only for the cost of samples	nstitutes a valld purcha	se order from client ry responsibility for of \$5 for each samp	company to Eurofins any losses or expense	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of surviving the control of services. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	is standard terms and conditions circumstances beyond the control inforced unless previously negotiated.	
Relinquished by: olgnature	ature) Received by:	ed by: Signature	-	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
					N		
1			4		4		
					6		

	eurofins
Xenco	Environment
	Testing

City, State ZIP:

City, State ZIP:

Company Name: Bill to: (if different)

Project Manager: Company Name:

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:		
www.xenco.com Page_	W	of 2
 Work Order Comments	S	
 Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund [RRC □ \$	superfund [
 State of Project:		
 Reporting: Level III 🗌 Level III 🗎 PST/UST 🗍 TRRP 📗 Level IV	TRRP 🗌	Level IV
 Deliverables: EDD ☐ ADaPT ☐	Other:	

Droinet Name:		Turn	Turn Around	_		ANALYSIS REQUE	UEST	Preserva	Preservative Codes
Project Number:		Routine		Pres.				None: NO	DI Water: H ₂ O
Project Location:		↑ Due Date:						Cool: Cool	MeOH: Me
Sampler's Name:)	TAT starts the	TAT starts the day peceived by					HCL: HC	HNO3: HN
PO #:		the lab, if rec	the lab, if received by 4:30pm		/ 			H ₂ SO ₄ : H ₂	NaOH: Na
PLE RECEIPT	Temp Mank: Yes	Wet Ice:	Yes No	nete	1			H ₃ PO ₄ : HP	
-	\downarrow	hermometer ID:			30 21 2			NaHSO ₄ : NABIS	0,
7	No N/A	Correction Factor:		1	50 718			Na ₂ S ₂ O ₃ : NaSO ₃	3
	No N/A	Temperature Reading:			O E			Zn Acetate+NaOH: Zn	DH: Zn
		Corrected Temperature:			m; X			NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification	Matrix Sam	Date Time Sampled Sampled	Depth Comp	# of Cont	Zhl. BTG TPt			Sample (Sample Comments
58-21-30	5 8	546 1208	6	-					
53-25-2'	1 8-10	_		-					
68-25-4		1 1355							
3-25-15		1410							
-25-30		1426	_	-					
53-25 40'1		1435							
3-2545		1455							
-24-2'		1565							
1, 12-112-25		1510							
58-24-15	(-	1530	<-	K -	¥ 2				
6010	200.8 / 6020:	8RCRA 13PPM	Texas 11	Al Sb	As Ba Be B	Cd Ca Cr Co Cu Fe Pb Mg	Mn Mo Ni K Se Ag SiO ₂	Na Sr Ti Sn L	J V Zn
Circle Method(s) and Metal(s) to be analyzed	to be analyzed	TCLP/SF	LP 6010: BRC	RA S	As Ba Be C	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni	Ni Se Ag TI U Hg: 1631	/245.1 / /4/0	//4/1
s: Signature of this document and r vice. Eurofins Xenco will be liable ofins Xenco. A minimum charge o	relinquishment of samp only for the cost of same of \$85.00 will be applied	ples constitutes a valid p mples and shall not assu I to each project <u>and a</u> c	urchase order from ome any responsibilit	client con y for any sample s	pany to Eurofins Xe osses or expenses i bmitted to Eurofins	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It a of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are did furofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will of Eurofins Xenco.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ğ	
Reliaduished by: (Signalus	R. P.	Received by: (\$ignature)	ture)		Date/Time	Relinquished by: (Signature)	Received by: (Signature)	ле)	Date/Time
		A Con				2			
	(V				4			
				l		6			

Project Name:

Project Number:

Routine

Rush

Turn Around

ANALYSIS REQUEST

None: NO

DI Water: H₂O

Preservative Codes

Address:

City, State ZIP:

Bill to: (if different)

Company Name:

City, State ZIP:

Project Manager Company Name: 1

2

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11 12

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Xenco

Environment Testing

Work Order No:	
www.xenco.com Page 4 of 9	
 Work Order Comments	
 Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
 State of Project:	
 Reporting: Level III Level III PST/UST TRRP Level IV	
 Deliverables: EDD ☐ ADaPT ☐ Other:	

Revised Date 08/25/2020 Rev. 2020.2	Re						
		6					
		4			7000		and I am
		2		+	100 St		
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	gnature)	Received by: (Signature)	nature)	Relinquished by: (Signature)
	t assigns standard terms and conditions due to circumstances beyond the control will be enforced unless previously negotiated.	osice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions f service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the contro	client company to Eurofins Xer ty for any losses or expenses i sample submitted to Eurofins	alid purchase order from assume any responsibil d a charge of \$5 for eacl	samples constitutes a v of samples and shall not pplied to each project an	nt and relinquishment of a liable only for the cost harge of \$85.00 will be a	ce: Signature of this docume ervice. Eurofins Xenco will b urofins Xenco. A minimum c
470 / /4/1	Se Ag TI U Hg: 1631/245.1/7470/74/1	Cd Cr Co Cu Pb Mn Mo Ni Se /	Be	TGLP / SPLP 6010: 8RCRA Sb AS Ba		tal(s) to be analyz	<u> Circle Method(s) and Metal(s) to be analyzed</u>
TI Sn U V Zn	Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr TI	Cd Ca Cr Co Cu Fe Pb Mg Mn	8RCRA 13PPM Texas 11 Al Sb As Ba Be B	3PPM Texas 11	8RCRA	200.8 / 6020:	Total 200.7 / 6010
			\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	·	1000	6	58-12-15
				3	0880		50-72-4
				0,	8-24 0845		50.22.21
					4 125		-29-25
					1675		53-29-15
			>		1620		3-29-10'
				O',	1605		513.29-4
					0971 hist &		5B 29-2
				S,	Sh51 120.8		5B-24-30
			_	0	a451 12.01 B	5	58-24-25
Sample Comments	San		# of Cont	Depth Grab/	Date Time Sampled Sampled	ion Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+As			ıre:	Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn	Zn Acetat			g:	Temperature Reading	Yes No NAT	Sample Custody Seals:
NaSO ₃	Na ₂ S ₂ O ₃ : NaSO ₃		P		Correction Factor:	Yes No N/A	Cooler Custody Seals:
NABIS	NaHSO₄: NABIS		arar	\	Thermometer ID:	Yes No	Samples Received Intact:
Ū	H₃PO₄: HP	-	nete	e: Yes Mo	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
NaOH: Na	H ₂ SO ₄ : H ₂		rs	the lab, if received by 4:30pm	the lab,		O#:
HNO ₃ : HN	HCL: HC			TAT starts the day received by	TAT star		Sampler's Name:
ol MeOH: Me	Cool: Cool			ē.	Due Date:		Project Location:

Notice: Signature of this document and relinquishment of samples constitutes a valld purchase order from client company to Eurofins Xenco,

ircle Method(s) and Metal(s) to be analyzed

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13 14

Xenco	Environment Testing

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Bill to: (if different)

Company Name:

City, State ZIP: Address:

4	Work Order No:	
	www.xenco.com Page 5 of 9	
	Work Order Comments	
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
	State of Project:	
	Reporting: Level III D Level III D PST/UST TRRP Level IV	
	Deliverables: EDD	

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		2		7	
					Commission of the Control of the Con
	Necessed by, (orginature)	Reinquistied by, (Signature)	Date/ I me	Received by: (Signature)	Relinguished by Sanature
anatura) Date/Time	Docainad by (Sie	Deline inhad by (Cianotura)			

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO4: NABIS H3PO4: HP

Sample Comments

SAMPLE RECEIPT

Temp Blank Yes

No See

Wet Ice:

Yes <u>N</u>

Parameters

Thermometer ID:

amples Received Intact

ample Custody Seals:

Yes

No N/A No N/A ŧ

Temperature Reading: Correction Factor:

BTEX BOZI TP4 8615

Corrected Temperature:

ooler Custody Seals:

88

Sampler's Name:

roject Location:

Due Date:

Routine

Rush

Turn Around

ANALYSIS REQUEST

HCL: HC Cool: Cool

> MeOH: Me DI Water: H₂O

HNO3: HN NaOH: Na

None: NO

Preservative Codes

H₂S0₄: H₂

TAT starts the day received by the lab, if received by 4:30pm

roject Number: roject Name: City, State ZIP:

ddress:

Company Name: Project Manager:

58-22-30

Sample Identification

Matrix

Sampled

Sampled

Date

Time

Depth

Grab/ Comp Cont

of

12.11-8

2

7285

シアなっ

1250

1220 140

53-22-45

B-22-50

58-19-50

1412

1320

1405

3-17-45 8-19-20

B-18-4

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11

Al Sb As Ba Be B

Cd Ca Cr Co Cu Fe Pb Mg

Mn Mo Ni K Se

Ag SiO₂ Na Sr Tl Hg: 1631 / 245.1 / 7470

Sn U /7471 V Zn

TCLP / SPLP 8010. 8RCRA So As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

its affiliates and subcontractors. It assigns standard terms and conditions

1425

1420

12-0-85 58-19-20 lotice: Signature of this document and relinquishment of samp

icle Method(s) and Metal(s) to be analyzed

f service. Eurofins Xenco will be liable only for the cost of sar f Eurofins Xenco. A minimum charge of \$85.00 will be applied

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020.2

58-21A-15

B-211-35'

SB-28-2

8-21A-60

Total 200.7 / 6010

200.8 / 6020:

5B-21A-4

53-21A-2 58-18-60

58-18-55 58-12-30

eurofins

Xenco

Phone:

City, State ZIP: Address: Project Manager:

ompany Name:

Project Name:

SAMPLE RECEIPT

Temp Blant Yes N 0 F

Cooler Custody Seals: Samples Received Intact

ample Custody Seals:

Yes

Yes

Sample Identification

Sampler's Name:

Project Location: Project Number:

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

CHARACTER STREET	ALL INCIDING	**************************************			
Xenco	EL Paso, T	X (915) 585-3443, Lubt	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296		
	Hobbs, NM	(575) 392-7550, Carls	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199		www.xenco.com Page & of
	Bill to: (if different)			Work	omments
	Company Name:			Program: UST/PST PRF] PRP∏ Brownfields∏ RRC∏ Superfund [
	Address:			State of Project:	
	City. State ZIP:			Reporting: Level II Level	Reporting: Level II Level III PST/UST TRRP Level IV
Em	Email:			Deliverables: EDD	ADaPT Other:
	Turn Around		ANALY	ANALYSIS REQUEST	Preservative Codes
Routine	ne Rush Pres.	6 3.7			None: NO DI Water: H ₂ O
Due Date:					Cool; Cool MeOH; Me
TAT start	TAT starts the day received by				HCL: HC HNO ₃ : HN
the lab, i	L-	0			H ₂ SO ₄ : H ₂ NaOH: Na
p Blank Yes No Wet Ice:	Yes No nete	0			H₃PO₄: HP
Thermometer		3			NaHSO ₄ : NABIS
No N/A Correction Factor:	Pa	le 80			Na ₂ S ₂ O ₃ : NaSO ₃
N/A Temperature Reading:		30			Zn Acetate+NaOH: Zn
_	ıre:	ev.			NaOH+Ascorbic Acid: SAPC
Matrix Date Time Sampled Sampled	ad Depth Comp Cont	Zill Chil BTB 1PH			Sample Comments
5 8-11-21 1520		- 1			
1626	-				
1640	3				
1650	0				
1655	8				
1720					
1450					
1850	0				
1900	0				
0201 hong 4	7	2 1-			
/6020: 8RCRA 13PPM	3PPM Texas 11 Al Sb	Sb As Ba Be B	Cd Ca Cr Co Cu	Fe Pb Mg Mn Mo Ni	\g SiO ₂ Na Sr Tl Sn U V Zn
be analyzed TCLP	SPLP 6010: SRCRA	Sb As Ba Be	od Cr Co Cu Pb	TCLP / SPLP 8010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631	lg: 1631 / 245.1 / 7470 / 7471
				ш	

58-26-20

4-82-85

Sample Identification

Matrix

Date Time Sampled Sampled

Depth

Comp Cont

Grab/

of

1201-8

1025

1060 1056 130

Samples Received Intact: SAMPLE RECEIPT

Temp Black Yes N_O

Wet ice:

Ύes <u>Z</u>

Parameters

Cha: de 300.0

BTEX 8021 TPH 8015

ö

Thermometer 10: Ye's No

Yes Yes

Temperature Reading

Corrected Temperature:

Cerrection Factor:

ample Custody Seals: ooler Custody Seals: Sampler's Name: Project Location: Project Number: Project Name:

Due Date:

Routine

Rush

Pres.

ANALYSIS REQUEST

Turn Around

TAT starts the day received by the lab, if received by 4:30pm

H₂S0₄: H₂ Cool: Cool

HNO3: HN

NaOH: Na

None: NO

DI Water: H₂O MeOH: Me

Preservative Codes

SB-28-40

eurofins

Xenco

Environment Testing

Phone:

City, State ZIP:

Company Name: Project Manager:

Company Name: Bill to: (if different)

City, State ZIP:

\ddress:

Chain of Custody

Midland, TX (432) 704-5440, San EL Paso, TX (915) 585-3443, Lu Hobbs, NM (575) 392-7550, Car Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Jallas, 1 × (214) 302-0000	
Antonio, TX (210) 509-3334	Work Order No:
bbock, TX (806) 794-1296	
Isbad, NM (575) 988-3199	2
	www.xenco.com Page 4 of 7
	Work Order Comments
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	State of Project:
	Reporting: Level II Level III PST/UST TRRP Level IV
	Deliverables: FDD ADaPT Other:

### CRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe #### TCLP1 SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn I ###################################	5	3 Works	Retinguished by (Signature)	Notice: Signature of this document and relinquis of service. Eurofins Xenco will be liable only for of Eurofins Xenco. A minimum charge of \$85.00	Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 200.8 / 6020:	5B-40A-25	5B-40A-20'	28-40A-10	53-404-4	58-404-2'	20.020 100
1 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg Common company to Eurofins Xenco, lts affiliates and subcontractors. It assigns standard terms and colling for any losses or expenses incurred by the client if such losses are due to circumstances beyond the ch sample submitted to Eurofine Xenco, but not analyzed. These terms will be enforced unless previously the client if such losses are due to circumstances beyond the ch sample submitted to Eurofine Xenco, but not analyzed. These terms will be enforced unless previously the client if such losses are due to circumstances beyond the ch sample submitted to Eurofine Xenco, but not analyzed. These terms will be enforced unless previously the client if such losses are due to circumstances beyond the chief the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the chief transport of the client if such losses are due to circumstances beyond the client if such losses are due to circumstances and contractions.		The man	Received by (Signature)	hment of samples constitutes a valid purchase order for the cost of samples and shall not assume any responsi will be applied to each project and a charge of \$5 for ea			-\ <u>'</u>	5050	0230	0810	8-12-11 08-5	4 (72
Cu Fe Pb Mg Mn Mo Ni K Se Ag b Mn Mo Ni Se Ag Tl U Hg subcontractors. It assigns standard terms and cou ff such losses are due to circumstances beyond th fr such losses terms will be enforced unless previously by: (Signature) Received by:	6	4	3	om client company to Eurofins Xenco, its affiliates and ibility for any losses or expenses incurred by the client ach sample submitted to Eurofins Xenco, but not analy	RCRA Sb As Ba Be Cd Cr Co Cu F	1 Al Sb As Ba Be B Cd Ca Cr Co	۴					
				subcontractors. It assigns standard terms and conditions If such losses are due to circumstances beyond the control zed. These terms will be enforced unless previously negotiated.	111	Pb Mg Mn Mo Ni K Se						

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO₄: NABIS H3PO4: HP

Sample Comments

eurofins Xenco Environment Testing

Project Manager:

Bill to: (if different) Company Name:

Company Name:

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

www.xenco.com Page & of 6	
Work Order Comments	
Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	perfund 🗌
State of Project:	
Reporting: Level II Level III PST/UST TRRP Level IV	Level IV
Deliverables: EDD ADaPT Other	

City, State ZIP:			_	City, State ZIP:						Zeporen	Keporting, Level II Chever III Ch	Lava				
Phone:			Email:							Delivera	Deliverables: EDD		ADaPT 🗆	Other	ner:	
Project Name:			Turn	Turn Around					ANALYSIS REQUEST	QUEST				Preser	Preservative Codes	
Project Number:			Routine	Rush	Pres. Code					-		-	Z	None: NO	DI Water: H ₂ O	
Project Location:			Due Date:			ツ 							00	Cool: Cool	MeOH: Me	
Sampler's Name:			TAT starts the	day received by		7,6				_	_			HCL: HC	HNO ₃ : HN	
PO#:			the lab, if rece	the lab, if received by 4:30pm		x							I	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No	nete	30 21	5	_					ī	H₃PO₄: HP		
Samples Received Intact:	Yes No	Thermometer ID:	D			_ 57	1/5						Z	NaHSO ₄ : NABIS	BIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	actor:			80	3 <i>t</i>	_					Z	Na ₂ S ₂ O ₃ : NaSO ₃	1503	
Sample Custody Seals:	Yes No N/A	Temperature Reading	Reading:			: l	· •	_					Zr	Zn Acetate+NaOH: Zn	NaOH: Zn	
Total Containers:		Corrected Temperature	mperature:		,	en EX	14	_					Na	3OH+Asco	NaOH+Ascorbic Acid: SAPC	
Sample Identification	n Matrix	Date Sampled	Time Sampled	Depth Grab/	# of Cont	Ch! BTC	TP							Sampl	Sample Comments	
58-27A-2	5	0160 1121-B	0110	6	-		_	_		-						
58-27A-4'	-	_	0915	- :								-				
58.27A-10			OHHO				_			-		_				
513-214-15			0945													
50-271-20			0950								_	_				
5B-8118-81			1000									_				
53-21-8-4			1000								-					
58-21-6			1020							- -		_				
58-21 36 -15			035									-				
58-216 20'	~	¢-	1040	<-	<-	2	E			-		-				
Total 200.7 / 6010 2	200.8 / 6020:	8R(CRA 13PP	8RCRA 13PPM Texas 11 Al Sb As	Al Sb	Ba	Be B Cd	Ca Cr	Co Cu Fe F	Pb Mg Mn Mo Ni	Mo Ni K	Se	Ag SiO ₂ Na Sr	Sr Tl Sn	n U V Zn	
Circle Method(s) and Metal(s) to be analyzed	l(s) to be analyz	ed	TCLP / SP	TCLP / SPLP 6010: BRCRA	RA Sb	As Ba	Be Cd	Cr Co C	As Ba Be Cd Cr Co Cu Pb Mn Mo	o Ni Se Ag TI U	g TI U	Hg:	1631 / 24	Hg: 1631 / 245.1 / 7470 / 7471	0 / 7471	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	and relinguishment o	f samples const	itutes a valid pu	archase order from	client com	pany to Euro	fins Xenco	its affiliates	and subcontracto	ors. It assigns	standard tern	ns and cond	itions			
of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotial	s Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control A minimum charge of \$85,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	of samples and	shall not assur	ne any responsibil large of \$5 for eacl	ity for any l	osses or exp	enses incu urofins Xen	rred by the c	lient if such losse nalyzed. These te	s are due to cli	rcumstances borced unless	previously r	control egotiated.			
Relinguished by: (Signature)	iture)	Received	Received by: (Signature)	ure)	0	Date/Time		Relinquis	Relinquished by: (Signature)	ature)	Receiv	ed by: (S	Received by: (Signature)		Date/Time	

Revised Date: 08/25/2020 Rev 2020.2

			sarolins.	a a
		Xenco	Environment Testing	
	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Houston, TX (281) 240-4200. Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440. San Antonio, TX (210) 509-3334	Chain of Custody
www.xenco.com P)		Work Order No:	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al	7	Matrix Sampled Sampled Depth Comp	Due Date: TAT starts the day received by 4:30pm Temp Blank: Yes No Wet Ice: Yes No Yes No NI/A Corrected Temperature: Corrected Temperature:	TI A	Email:	City,			
RCR 2 ≥ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		무 등				City, State ZIP	Address:	Company Name	Bill to: (if different)
Sh As Ba Be B Cd Ca Cr Co Cu Sh As Ba Be Cd Cr Co Cu Pb I	2	- Chla		2		P		me:	ent)
Mg Mn Mo Ni K Se		Sample Com	NABIS NaSO ₃	QUEST Preservativ	ADaPT L	Reporting: Level III Devel III PST/UST TRRP	State of Project:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ S	Work Order Comments
	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U	Preservatii None: NO Cool: Cool HCL: HC H ₂ So ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOt NaOH+Ascorbic Sample Co	Deliverables: EDD	Reporting: Level III ☐ PST/UST ☐ TRRP☐ Deliverables: EDD ☐ ADaPT ☐ Other: Preservati None: NO Cool: Cool HCL: HC H ₂ So ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOt NaOH+Ascorbic Sample Co		State of Project: Reporting: Level III

Eurofins Xenco, Carlsbad

1089 N Canal St	•)	İ															0.	a a	Ĭ		3						
Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199	0	Chain of Custody Record	of Cust	tody R	eco	3													ر	8	9	3			Environr America	Environment Testing America	lent	Test	100
Client Information (Sub Contract Lab)	Sampler:			Lab PM Simmo	Lab PM Sımmons, Debbie)ebbie						Ca	Carrier Tracking No(s):	rackir	g No	s):			لـــا	890 890	COC No. 890-349 1								
Shipping/Receiving	rnone			E-Mail debbi	E-Mail debbie sımmons@eurofinset.com	nons <u>(</u>	eurc	finse	t.com	_		N Sta	State of Origin: New Mexico	Origin	•					Page: Page	<u>е</u> ж	Page: Page 1 of 10	0		ļ				
Company Eurofins Xenco		To the second			Accreditations Required (See NELAP - Louisiana, NE	ations F	Require	a, NE	note)	- Texas	xas				l		1	I		-068 # qor		Job # 890-1100-1		1					
Address 1211 W Florida Ave ,	Due Date Requested 8/18/2021	ed							Analysis Requested	<u>ś</u> .	ลู	<u> </u>	ste	-	l	İ				Pre	Serv	Preservation Codes:	ŭ	ďe					
City Midland	TAT Requested (days):	ays):				_	_		\dashv	1	\dashv	一指	一:	'	-	\dashv		20/19/50			HCL NaOH	<u>;</u>	,) Z Z	- N N I	Hexane None	, –		
State, Zip: TX, 79701	<u></u>						p) 					***************************************						. 2000 1980 10	AP I	m o c	Zh Aceta Nitric Aci NaHSO4	Zn Acetate Nitric Acid NaHSO4	- o	OTC	P Na2Oz	AsNaO2 Na2O4S Na2SO3	www		
Phone: 432-704-5440(TeI)	PO #:))													rough recreasing			MeOH Amchlor	ᅙ		יג מ	H ₂	Na2S2O3 H2SO4	ည္ထ		
Email	WO#					-		STRIOTT										and pageogra-	8		ASCO	ASCORDIC ACID Ce Di Water	ACIO	< ⊂ →	- A 6	TSP Dodecahydrate Acetone	deca	hydra	ate
Project Name: Flamenco #1	Project #: 88000221							EACH										er souverer eve	tainer	_ X	EDTA EDA	٩		N S	_	pH 4-5 other (specify)	oecify	ٽ	
Site	SSOW#				7000752			יטיטי_נ										r Turgosoneis Vol	885101189946.A	Other:	4								
			Sample Type	Matrix (w=water S≃solid,	iltered m MS/I	DD_NM/	5035FP_ RGFM_2	(GFWI_Z									·····	HOLDING VARIOTY V. FIL	lumber						j			l	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, G=qrab)		enterionales de													Samoy o	Fotal N		'n	9	<u>v</u>	2	1	Special Instructions/Note:	2	5	
		X	Preservation Code:	on Code:	X	ndid					<u>15</u>	3797	26-1-10-7 21-70	indese Y	June - Spil				X		M		Ш	1			H	11	
BH-33-2 (890-1100-1)	8/8/21	Mountain		Solid		×	×	×										er er lanen en	4										
BH-33-4 (890-1100-2)	8/8/21	Mountain		Solid		×	×	×										o do un	-									ļ	
BH-33-20 (890-1100-3)	8/8/21	Mountain		Solid		×	×	×				\neg					_	2,007,00000	4	T			ļ						
BH-33-55 (890-1100-4)	8/9/21	Mountain		Solid		×	×	×					\dashv					. 30 00			l								
BH-33-60 (890-1100-5)	8/9/21	Mountain		Solid		×	×	×										maner an	-/		J			ĺ					
BH-33-65 (890-1100-6)	8/9/21	Mountain		Solid		×	×	×																					
BH-31-2 (890-1100-7)	8/9/21	Mountain		Solid		×	×	×										V. 100 - 100	_			ĺ	ļ				j		
BH-31-4 (890-1100-8)	8/9/21	Mountain		Solid		×	×	×					-					ni : Saanaa	-		l								
BH-31-15 (890-1100-9)	8/9/21	Mountain		Solid		×	×	×										or and install and of	-								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/tests/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 complicance to Eurofins Xenco LLC.	places the ownership being analyzed the s turn the signed Chain	o of method, an amples must by of Custody atte	alyte & accredi e shipped back ssting to said co	tation complian to the Eurofins mplicance to E	xenco L	out sut LLC lab (enco L	oratory	ct labo	ratorie er inst	is Th	ns wil	nple s be pi	hipme	entis d Ar	forwa Iy cha	rded inges	unde to a	r cha cred	iin-of	f-cus	tody atus	If th	le lab	orat:	ory ac	o Eur	ot cui	rrentl Xenc	90 4
Possible Hazard Identification					San	Sample Disposal (Jispo	sal (A fee may be assessed if samples are retained longer than 1 month)	ma] be	ass	esse	d if	sam	ples	78	Je t	ain	8	ong	er t	han	1 1	non	3	j		
Deliverable Requested I, II III IV Other (specify)	Primary Deliverable Rank	able Rank 2			Spe	Special Instructions/QC Requirements	al Instructions/QC	tions	QC F	,equ	rem	ents	ents	υ	á		l	I,	18	HICHIVE FOR	9	l			3	MOnths	S		
Empty Kit Relinquished by		Date			Time		NAMES AND ADDRESS OF THE PARTY		.	San San San San San San San San San San			\X e	Method of Shipment:	of Shi	pmer	7	l			- [
Relinquished by (100 CM)	Date/Ilme			Company		Received	ed by	100					1/	9	-√ D)K	C)	N	- OTHER DISTRICT	Canada de la Calabara		animar.	3		Company	any			
Reinquisned by	Date/Time		0	Company		Received by	ed by:		(6					D	Date/Time	me		1	1					Company	any		- 1	
Relinquished by:	Date/Time		0	Company		Received by	ed by:								Ď	Date/Time:	me:			1	ı				Company	any	I		
Custody Seals Intact. Custody Seal No						Cooler Temperature(s) °C and Other Remarks	Tempe	rature	(s) °C	and C	ther F	èma:	8		ŀ					Ì	-			F					

8/18/2021

(Rev. 1)

Eurofins Xenco, Carlsbad

Chain of Custody Record

1089 N Canal St.	`	לים לי אונים לי	ک د ل اناد	· •)) 5	_												90.0	<u> </u>	eurofins :		2	200	1	ž
Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199					9	5																<u> </u>	America	America	1636	ő
Client Information (Sub Contract Lab)	Sampler			Lab PM Simmo	Jns,	Debbie	Sie						Carrier Tracking No(s)	Track	ing N	o(s)			<u>~ </u>	30C7	COC No 890-349 3					
Clent Contact: Shipping/Receiving	Phone:			E-Mail [.] debbi	E-Mail: debbie simmons@eurofinset.com	nom	s@e	urofir	set.c	ğ			State of Origin New Mexico	of Orig	8 ⋾				— 71	age.	Page [.] Page 3 of 10		Ì			
Eurofins Xenco					Accreditations Required (See note). NELAP - Louisiana, NELAP - Texas	P-L	s Req	uired (ana,	See n	₽ .	Теха								<u>~</u> _	.# qof	Job #: 890-1100-1		İ		ĺ	
Address 1211 W Florida Ave	Due Date Requested 8/18/2021	8							≥	Analysis	sis	Requested	Jesi	8				ļ		. Lese	Preservation Codes.	Codes.	- 1	٠		
City: Midland	TAT Requested (days)	ays)				-30										_				B NaO	NaOH NaOH) Z <u>s</u>	None	}		
State, Zip TX 79701						NM	p)		-										restrict and the		Nitric Acid) T Q	Na2O4S Na2SO3	Ö & Ö		
Phone 432-704-5440(Tel)	PO#:				o)	TPH -	FP pre	de											Mar de Martin	ະດ⊤ A ≸	MeOH Amchlor	ı ozo	Na2S H2SC	Na2S2O3 H2SO4	•	
Email.	WO #:				200000000000000000000000000000000000000	20-20-60	ılk jar/	Chlori													ce DI Water	< ⊂ -	Acetone MCAA))ne	ariyara	ē
Project Name: Flamenco #1	Project # 88000221				0000000	255,235,0	EX (b	EACH													EDTA EDA			pH 4-5 other (specify)	Š	
Site	SSOW#:					il massilis.	Calc B1	D/DI_L											Jan Brokellin	Other:	·					
		olameS	Sample Type	Watrix (W=water S=solid, O=waste/oil,	d Filtered form MS/N	MOD_NM/8	B/5035FP_	ORGFM_28											il Number							
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) _{A=Air)} Preservation Code:	A=Air)	CASE A CONSTRUCTION		80	30	-	- 260				4		-			(To	1	Specia	pecial Instructions/Note	uctio	ns/N	J te	1
BH-26-15 (890-1100-19)	8/10/21	Mountain		Solid		×	×	×	Statistical designation of	**************************************					2				-			The Army Street and the Army Street	,			
BH-26-25 (890-1100-20)	8/10/21	Mountain		Solid		×	×	×							_				-1							
BH-26-30 (890-1100-21)	8/10/21	Mountain		Solid		×	×	×											-							
BH-25-2 (890-1100-22)	8/10/21	Mountain		Solid	\vdash	×	×	×								 			4							
BH-25-4 (890-1100-23)	8/10/21	Mountain		Solid		×	×	×																		
BH-25-15 (890-1100-24)	8/10/21	Mountain		Solid		×	×	×											_							
BH-25-30 (890-1100-25)	8/10/21	Mountain		Solid		×	×	×											-							
BH-25-40 (890-1100-26)	8/10/21	Mountain		Solid		×	×	×							-				24				Ì			
BH-25-45 (890-1100-27)	8/10/21	Mountain		Solid	\vdash	×	×	×																		
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/tests/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 complicance to Eurofins Xenco LLC.	places the ownership being analyzed the s urn the signed Chain	o of method ar amples must be of Custody atto	nalyte & accredi be shipped back esting to said co	tation complian to the Eurofine omplicance to E	ce upo Xenos urofins	on out	subcor labora o LLC	ntract tory or	labora other	tories instru	This ctions	sampi will be	e ship provi	ment ded	s forv Any cl	ardec nange	unders to a	er cha	iin-of- litatio	-custo n stati	dy If the us should	laborato be brouç	ry does ght to I	; not cı	urrently s Xenc	ő ¯
Possible Hazard Identification					S	Sample Disposal	e Dis	posa	Â	(A fee may be assessed if samples	nay	be as	ses	sed i	fsar	nple	Sar		aine	o o	are retained longer than	an 1 m	month)			
Deliverable Requested , V Other (specify)	Primary Deliverable Rank		2		8	Special Instructions/QC Requirements	al Instructions/QC	uctio	ms/Q	C R	quire	meg ,	ents	9	1 1 0				100	AICHIVE F OI	9		MO	MORRIS		
Empty Kit Relinquished by		Date			Time		1	4		1	Ň			Method of Shipment.	d of S	hipme	Ä	l						HARMINI MARKET		
Relinquished by:	Date/Time	- Chitestan		Company		Reg	Regéliyéd by	12.2			1					Date/Time				energia (Ma)		Ž	Company			
Reiniquisired by	Date/Time			Company		Rec	Received by	Ŋ.								Datë/Time	ime	•				್ದ	Company	٧		
Relinquished by	Date/Time [.]			Company		Rec	Received by	Ϋ́	ļ							Date/Time	ime					Q	Company	<u> </u>		
Custody Seals Intact. Custody Seal No						Coo	Cooler Temperatu	mpera	ture(s)	റ്	and Other Remarks	er Rer	narks									-				

Login Sample Receipt Checklist

Client: GHD Services Inc. Job Number: 890-1100-1 SDG Number: 11220747

Login Number: 1100 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

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: 890-1100-1 SDG Number: 11220747

List Source: Eurofins Xenco, Midland

Login Number: 1100 List Creation: 08/13/21 11:13 AM List Number: 2

Creator: Copeland, Tatiana

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	

Eurofins Xenco, Carlsbad

Released to Imaging: 5/2/2022 3:37:29 PM



August 19, 2021

BECKY HASKELL

GHD SERVICES, INC.

6121 INDIAN SCHOOL RD, NE STE. 200

ALBUQUERQUE, NM 87110

RE: FLAMENCO #1

Enclosed are the results of analyses for samples received by the laboratory on 08/19/21 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

GHD SERVICES, INC. **BECKY HASKELL** 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Fax To:

Analyzed By MC

Received: 08/19/2021 Reported: 08/19/2021 Project Name: FLAMENCO #1 Project Number:

11220747 NONE GIVEN Sampling Date: 08/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SB - 43-50' (H212206-01)

Project Location:

DTEV 0021D

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101 9	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received: 08/19/2021 Sampling Date: 08/18/2021

Reported: 08/19/2021 Sampling Type: Soil

Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact
Project Number: 11220747 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

Sample ID: SB - 43-55' (H212206-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.3	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

 Received:
 08/19/2021
 Sampling Date:
 08/18/2021

 Reported:
 08/19/2021
 Sampling Type:
 Soil

Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact
Project Number: 11220747 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SB - 12-55' (H212206-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.1	% 38.9-14	2						

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08/18/2021

Soil

Analytical Results For:

GHD SERVICES, INC. **BECKY HASKELL** 6121 INDIAN SCHOOL RD, NE STE. 200 ALBUQUERQUE NM, 87110 Fax To:

Sampling Date:

Received: 08/19/2021 Reported: 08/19/2021

Sampling Type: Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 11220747 Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

Sample ID: SB - 12-60' (H212206-04)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	% 38.9-14	2							

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Celey D. Keine



Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

 Received:
 08/19/2021
 Sampling Date:
 08/17/2021

 Reported:
 08/19/2021
 Sampling Type:
 Soil

Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact
Project Number: 11220747 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SB - 36-75' (H212206-05)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	94.0	% 38.9-14	2						

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Celey D. Keine



08/17/2021

Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received: 08/19/2021 Sampling Date: Reported: 08/19/2021 Sampling Type:

Reported: 08/19/2021 Sampling Type: Soil
Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact
Project Number: 11220747 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SB - 36-80' (H212206-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	94.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.9	% 38.9-14	2						

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Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

Received: 08/19/2021
Reported: 08/19/2021

Project Name: FLAMENCO #1
Project Number: 11220747
Project Location: NONE GIVEN

Sampling Date: 08/17/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SB - 35-55' (H212206-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	81.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.9	% 38.9-14	2						

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Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

 Received:
 08/19/2021
 Sampling Date:
 08/17/2021

 Reported:
 08/19/2021
 Sampling Type:
 Soil

Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact
Project Number: 11220747 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SB - 35-75' (H212206-08)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.6	% 38.9-14	22						

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Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110
Fax To:

 Received:
 08/19/2021
 Sampling Date:
 08/18/2021

 Reported:
 08/19/2021
 Sampling Type:
 Soil

Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact
Project Number: 11220747 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

Sample ID: SB - 35-80' (H212206-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/19/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	211	105	200	7.58	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	222	111	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	70.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	% 38.9-14	2							

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Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110

Fax To:

 Received:
 08/19/2021
 Sampling Date:
 08/18/2021

 Reported:
 08/19/2021
 Sampling Type:
 Soil

Reported: 08/19/2021 Sampling Type: Soil

Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact

Project Number: 11220747 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SB - 18-65' (H212206-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/19/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	184	92.2	200	8.14	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	208	104	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	87.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.5	% 38.9-14	2						

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Analytical Results For:

GHD SERVICES, INC.
BECKY HASKELL
6121 INDIAN SCHOOL RD, NE STE. 200
ALBUQUERQUE NM, 87110

Fax To:

Received: 08/19/2021 Sampling Date: 08/18/2021

Reported: 08/19/2021 Sampling Type: Soil
Project Name: FLAMENCO #1 Sampling Condition: Cool & Intact

Project Number: 11220747 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

Sample ID: SB - 18-70' (H212206-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/19/2021	ND	2.03	102	2.00	0.0953	
Toluene*	<0.050	0.050	08/19/2021	ND	2.10	105	2.00	0.0543	
Ethylbenzene*	<0.050	0.050	08/19/2021	ND	2.04	102	2.00	0.729	
Total Xylenes*	<0.150	0.150	08/19/2021	ND	6.08	101	6.00	1.27	
Total BTEX	<0.300	0.300	08/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/19/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/19/2021	ND	184	92.2	200	8.14	
DRO >C10-C28*	<10.0	10.0	08/19/2021	ND	208	104	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	08/19/2021	ND					
Surrogate: 1-Chlorooctane	99.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

Delivered By: (Circle One). Observed Temp. °C Sampler - UPS - Bus - Other: Corrected Temp. °C	Refinquished By: Date:	Relinquished By: Time: -872	y and Jennington, ventralise of the performance of services whatsoer indicate those for regisjance and any other cause whatsoer all Cardinal hose for incidental or consequental damag arising out of practice to the performance of services her	10000	S CA - 25 - 40	56. 55-	1 36 -	58-36-	-12-		2 53-43-65	1 53-43-50	**************************************	Lab I.D. Sample I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: Flamenco &	11270747 Projec	18# 432 250 tall the				Company Name: (4)47)	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
°C S.9 Sample Condition Cool Intact	Received By:	1	ver shall be deemed walved unless made in writing and received by Card es, including without limitation, business interruptions, loss of use, or loss euroder by Cardinal, regardless of whether such claim is haved upon any		¢ -							6 1	# C GR WA SO OIL							Becky. Haskelleglide	Zip:				8240 2476
tion CHECKED BY: (Initials)		Oldako	inal within 30 da of profits incurre of the "bove sta	whether based in contract or tot! shall be limited to the amount paid	8-18-71	41.42	10 F. F. D.	124.18	12.21.8	12.81-8	8.8.4	244	AC ICE OT	HER: D/BASE: :/COOL HER:	TRESERV.	1	Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO	
Turnaround Time: Thermometer ID #113 Correction Factor None	REMARKS: SI			nt paid by the client for the	Y	7 5	17/2	1250	0554	OLA	1300	1240	0	Horis				300	0.0	0	4	S	00	1.00][व 21
Standard Rush	AME DAY	Please provi	Yes No Add'l Phone #:		~								7	P4 81	215			80,	DE	20,	6	120		ANALYSIS RE	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C		**	***	1			100							•	a.			4						REQUEST	Pg. 1

Relinquished By:

Time: Date: 49.21

Received By:

All Results are emailed. Please provide Email address:

□ Yes

ONO

Add'l Phone #:

Date: Time:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Thermometer ID #113 Correction Factor None

Cool Intact
Ves Pres

CHECKED BY: (Initials)

Turnaround Time:

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Corrected Temp. °C Observed Temp. °C REMARKS:

Relinquished



101 East Marland, Hobbs, NM 88240

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Company Name:		BILL TO	9	ANALYSIS REC	REQUEST
Project Manager:		P.O. #:	18/1	- 1	
Address:		Company:	0	2	
City: State:	Zip:	Attn:	50	M.	
Phone #: Fax #:		Address:	45	2,	
Project #: Project Owner:	er:	City:	2	R	
roject Name:		State: Zip:	.6	, D	
Project Location:	a	#:	90	720	
sampler Name:		Fax #:	50	6	
FOR LAB USE ONLY	MATRIX	ESERV.			14
Lab I.D. Sample I.D.	G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	OTHER: ACID/BASE: CE / COOL OTHER:	Chlorida STEX 80	TPH 801C	
10 58-18-65	- ×	n	1105 X X	×	
11 58-18-70	4 1 X	8-18-11 1125	X	×	
16					<i>t</i> -

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

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 84905

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	84905
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
jnobui	Groundwater Closure Report Approved. Remediation Plan Approved. Incident # nOY1724941773 will be closed when Closure Report has been received and Approved.	5/2/2022